Welcome to the World of AirBorn Interconnect Solutions

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AirBorn has been manufacturing high reliability interconnect systems for more than 45 years with leading-edge, innovative technology that is more reliable and better-performing than practically all other alternatives.

Our advanced technologies, experienced design support, incomparable lead times and personalized customer service and support provide customers with complete solutions to a vast array of highly specialized design requirements in diverse markets and applications.

You will find in this catalog technical drawings and specification information that will help you solve your interconnection needs from the design stage through production specification.

The products in this catalog are organized by the AirBorn part number assigned to them.

Each connector part number identifies five elements:

- AirBorn Series
- Body
- Size (number of contacts)
- Contact Type
- Hardware Type

Each catalog page shows the choices available for each of these elements. By selecting one option from any category on the page, you can build a set of connectors to meet your requirements.

If you do not find a particular connector size or option, please contact AirBorn for further assistance. AirBorn can manufacture special configurations for your exact specifications.

When everything matters, go AirBorn.

www.AirBorn.com

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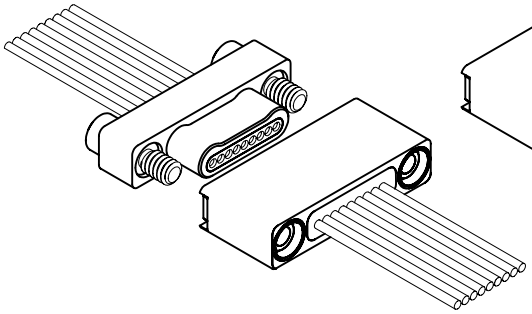
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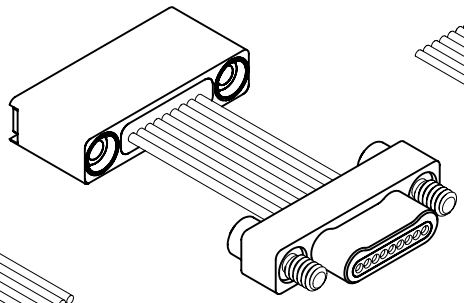
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E-mail: info@airborn.com

"N" SERIES - .025"

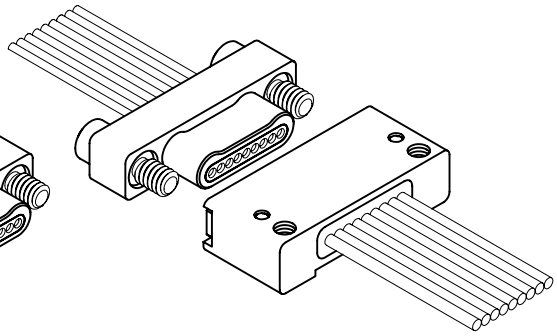
Nano Connectors
Cable to Cable
One Row



Cable to Cable
Sizes: 9 thru 51
Page: N-9

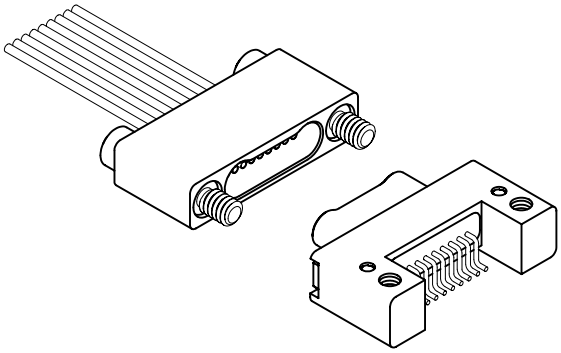


Cable to Cable, Jumpers
Sizes: 9 thru 51
Page: N-11

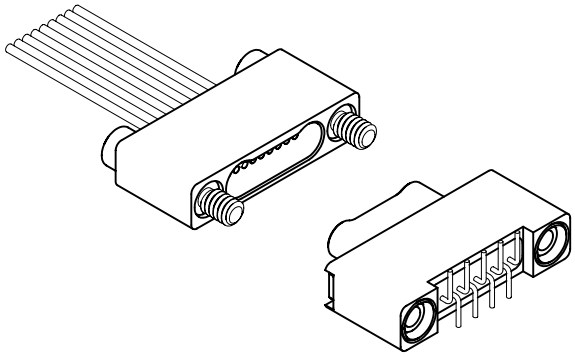


Cable to Cable, with Mounting Holes
Sizes: 9 thru 51
Page: N-13 & N-15

Nano Connectors
Board to Cable
One Row

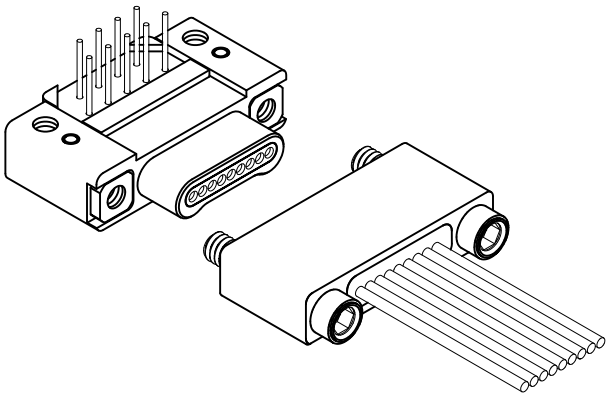


Cable to Horizontal SMT
Sizes: 9 thru 51
Page: N-17 & N-19

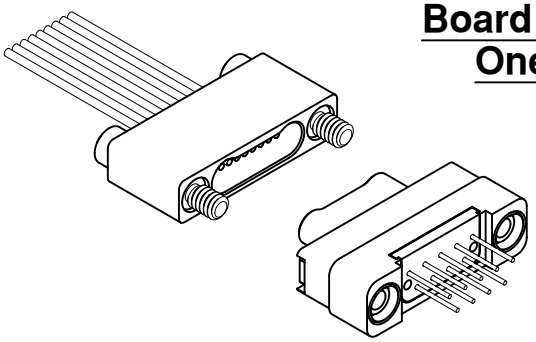


Cable to Vertical SMT
Sizes: 9 thru 51
Page: N-23 & N-25

Nano Connectors
Board to Cable
One Row

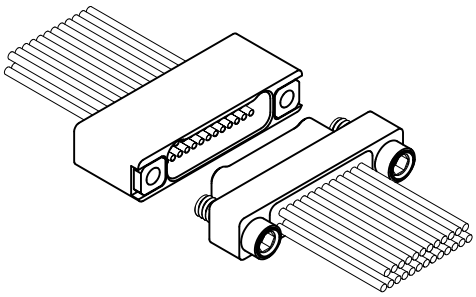


Cable to Right Angle PTH
Sizes: 9 thru 51
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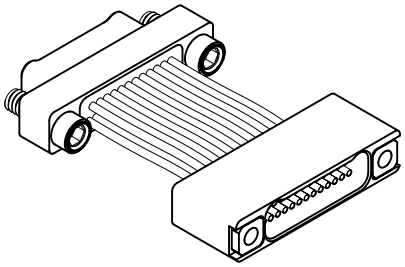


Cable to Vertical PTH
Sizes: 9 thru 51
Page: N-35 & N-37

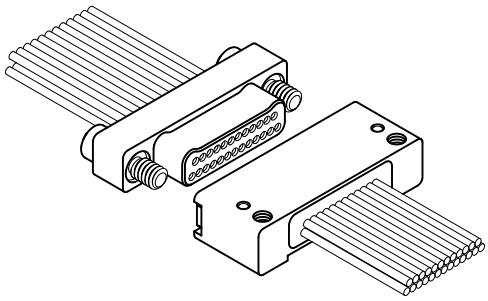
Nano Connectors
Cable to Cable
Two Row



Cable to Cable
Sizes: 9 thru 91
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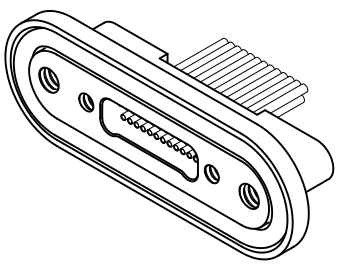


Cable to Cable, Jumpers
Sizes: 9 thru 85
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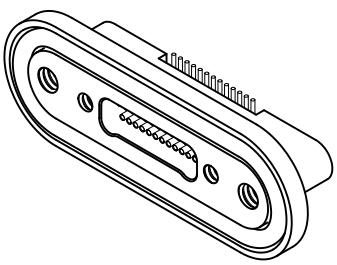


Cable to Cable, with Mounting Holes
Sizes: 9 thru 85
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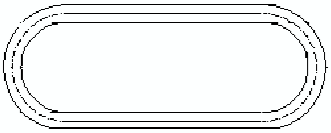
Nano Connectors
Rear Panel Mount
Two Row



I/O
Sizes: 9 thru 85
Page: N-98.3

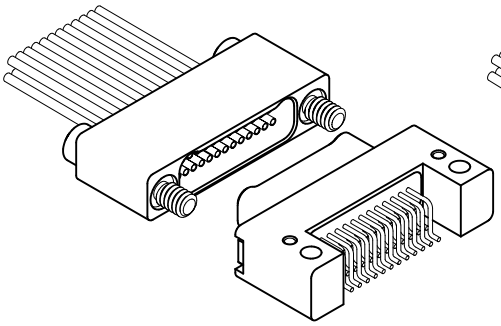


Vertical SMT
Sizes: 9 thru 85
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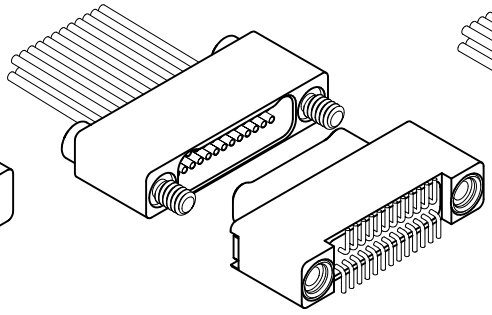


REPLACEMENT O-RINGS
PAGE: N 8.3

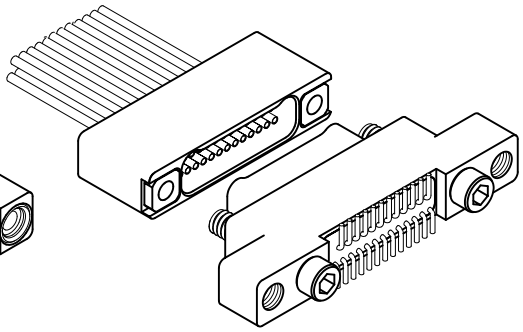
Nano Connectors
Board to Cable
Two Row



Cable to Horizontal SMT
Sizes: 9 thru 85
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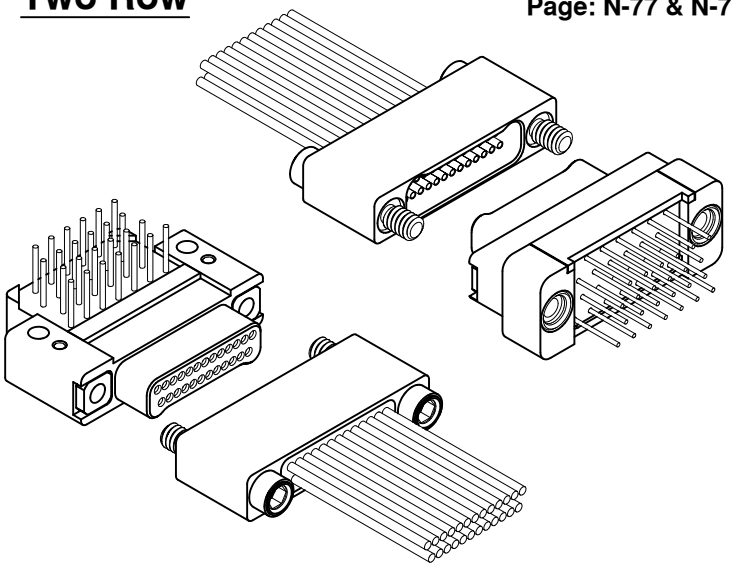
Cable to Vertical SMT
Sizes: 9 thru 91
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Cable to Vertical SMT with Mounting Holes
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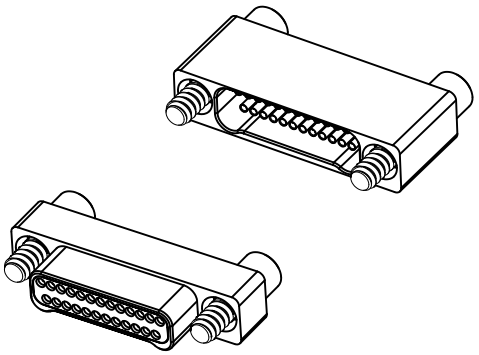
Nano Connectors
Board to Cable
Two Row

Cable to Vertical PTH
Sizes: 9 thru 85
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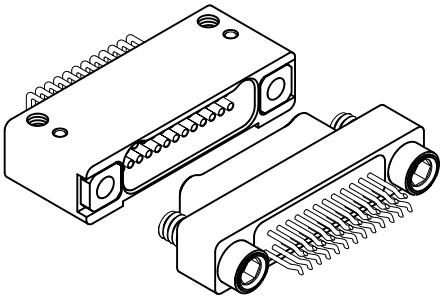
Cable to Right Angle PTH
Sizes: 9 thru 91
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Nano Connectors
Shorting Connectors

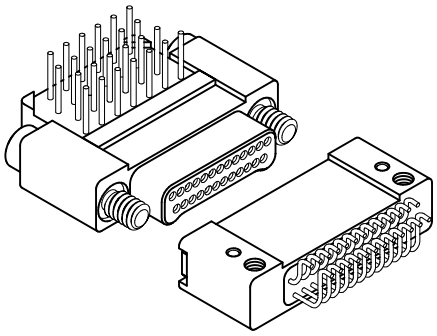


Shorting Connectors
Sizes: 9 thru 85
Page: NA-8.1 & NA-8.2

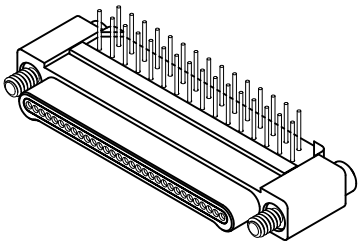
Nano Connectors Flex to Board One & Two Row



Straddle Mount Flex
Sizes: 9 thru 85
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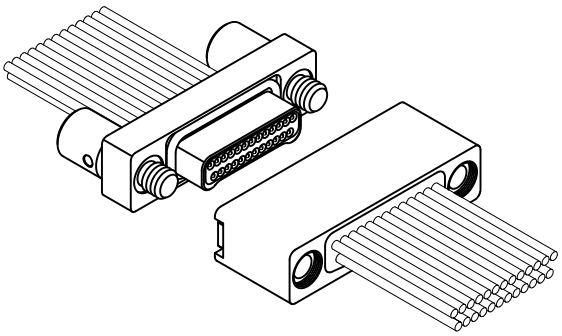


Right Angle Flex Mount
Sizes: 9 thru 85
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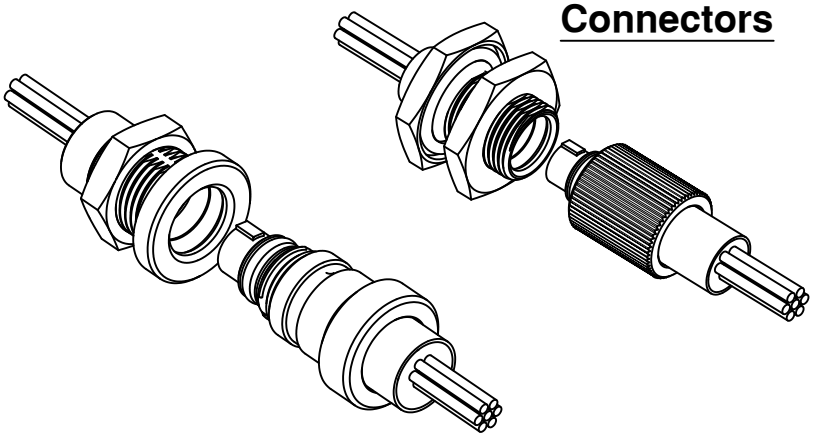
Right Angle Flex Mount
Sizes: 9 thru 51
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Nano Connectors Splashproof Two Row



Cable to Cable, Splashproof
Sizes: 9 thru 85
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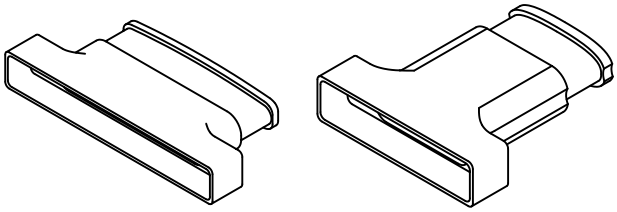
Nano Circular Connectors



Quick Release
Sizes: 7 & 19
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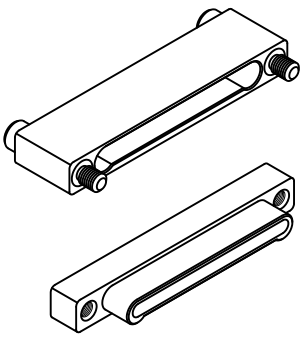
Threaded Coupling
Sizes: 7 & 19
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Nano Backshells One & Two Row

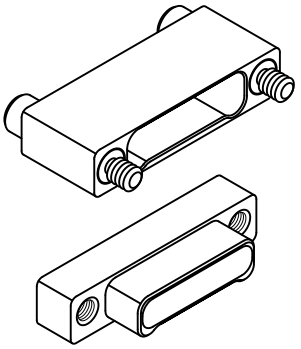


One & Two Row Backshells
Sizes: 9 thru 51 (one row)
9 thru 91 (two row)
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Nano Dust Covers



One Row Dust Covers
Sizes: 9 thru 51
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Two Row Dust Covers
Sizes: 9 thru 85
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.025" Nanominiature PCB and I/O Connectors

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Specifications
Materials and Finishes *

Contacts:	Pins: BeCu alloy strip per ASTM-B-194 Sockets: BeCu per ASTM-B-194 or NiAg per ASTM-B-122
Embedment:	Insulating compound per MIL-I-16923
Contact Finish:	Gold plate per ASTM B 488, SAE AMS 2422
Molded Insulators:	Glass filled liquid crystal polymer (LCP) per ASTM D5138 or MIL-M-24519
Shell:	Aluminum 6061-T6 per SAE AMS-QQ-A-250/11 or 6061-T6511 per SAE AMS-QQ-A-200/8 - OR - 303 Stainless Steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700 - OR- Titanium per SAE-AMS-T-9046 Passivated per ASTM-B-600
Aluminum Shell Finishes:	Electroless Nickel per SAE AMS-C-26074 -OR- Electrodeposited Cadmium per SAE AMS-QQ-P-416
Hardware:	Corrosion resistant steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700
Tolerances:	Unless otherwise specified: Decimals = .XXX = ±.005" .XXXX = ±.0050" Angles = ±2°

Note: AirBorn can manufacture special configurations for your exact specifications.
* = Reference the above listed specifications or an equivalent industry standard when applicable

Performance
Reference M32139

AirBorn "N" Series meets or exceeds M32139 Performance Specifications

Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition A (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve

Part Number Description

Each connector part number consists of at least five elements: series, body description, size (number of contacts), type of contacts, and type of hardware. A sixth element is added whenever special modifications or options are available.

Each catalog page shows the choices available for each of these elements. By selecting one option from each category on the page, you can build a set of connectors to meet your requirements.

Each element is identified by a combination of letters and/or numbers in fixed field lengths, and separated by a hyphen (-). Each space must be filled in to complete the number. When the size, for example, is less than 100, indicate as 009, 051, etc.

Series:
This will always be a two letter designator, and will identify the connector series. All .025" connectors begin with the letter "N". The second letter designates the various styles of .025" connectors.

Body:
Each digit of the Body Designator will normally identify (1) the number of rows, (2) the style of body, and (3) the body materials. The three digit number to identify the body consists of one digit from each group.

Size:
The size is determined by the number of contacts in the connector, and is an integral part of the part number. Order only sizes shown on the catalog page unless otherwise noted.

Contacts:
Each page also identifies all contact options for a given connector. Mating contacts are shown on the page opposite from the description. The first two digits designate the type of contacts and terminations; the third digit designates the plating option.

Hardware:
The hardware designator is four digits; two for style of hardware and two for polarization or wiring instruction. Follow the choices for each connector.

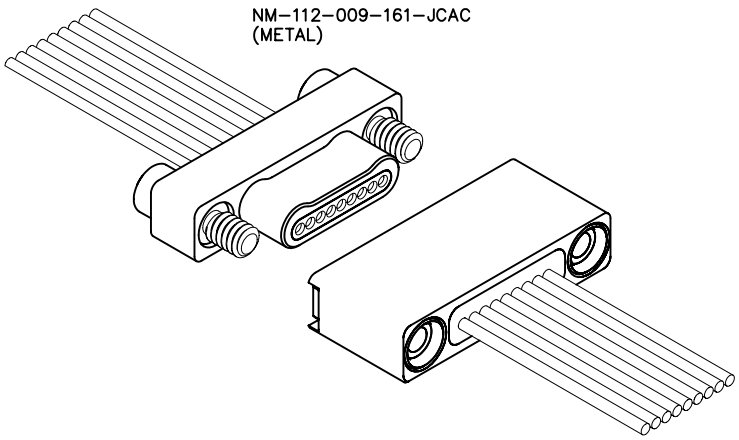
Special Instructions (Options):
Special instructions are referenced by a three digit number added to the end of the part number. The last three digits are included only when applicable. AirBorn, Inc. will provide individual code numbers as needed.

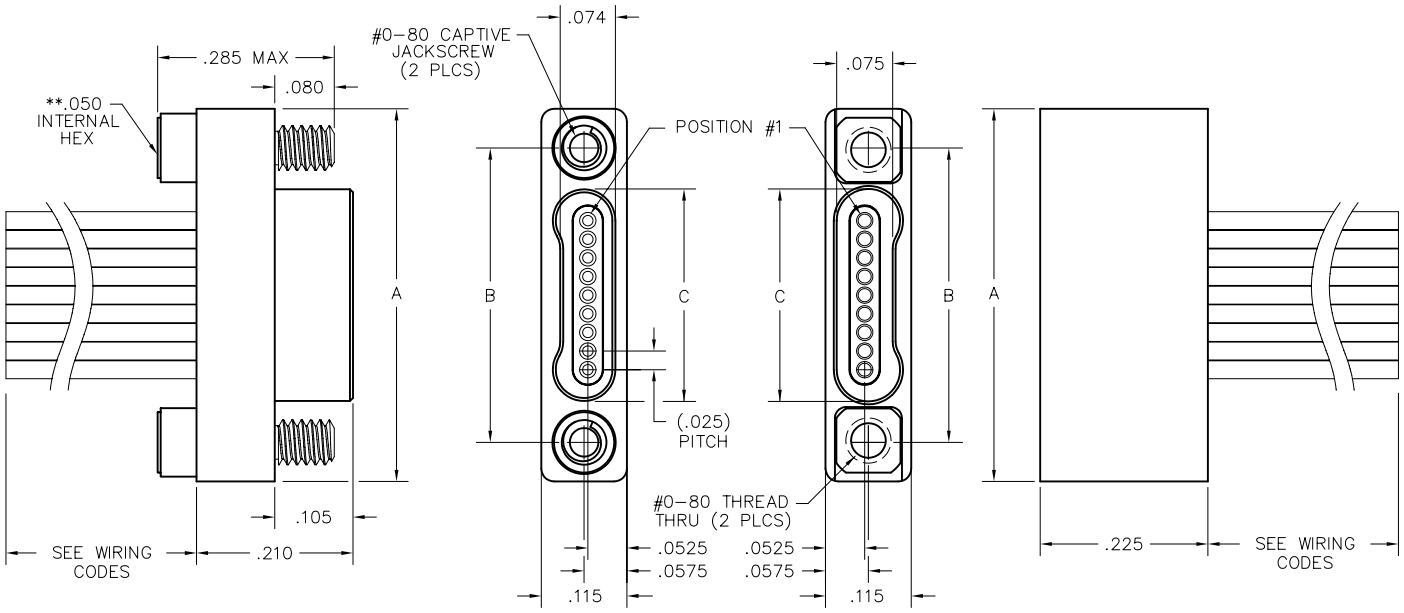
Note:
Each page is as comprehensive as possible. However, if you do not find a particular connector size or option, please contact the factory for further assistance.

☒ Symbolizes options that are not ROHS compliant.

AirBorn

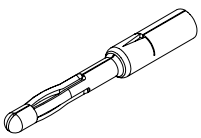
1 ◦ ROW
Cable to Cable
.025"
NM, NM
9 thru 51 Contacts





PLUG

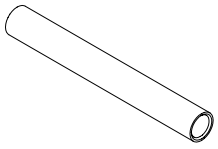
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS				
SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.284	.285
15	.650	.545	.434	.435
21	.800	.695	.584	.585
25	.900	.795	.684	.685
31	1.050	.945	.834	.835
37	1.200	1.095	.984	.985
51	1.550	1.445	1.334	1.335

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–112 –009– 161 –JCAC
RECEPTACLE: NM–122 –009– 261 –THAC
XX–XXX–XXX–XXX–XXXX

	PLUG		RECEPTACLE
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	2	Receptacle, straight
5	Plug, straight with factory installed backshell (See page NA-4)	6	Receptacle, straight with factory installed backshell (See page NA-4)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
4	Liquid Crystal Polymer w/ stainless steel shell ***	4	Liquid Crystal Polymer w/ stainless steel shell ***
5	Liquid Crystal Polymer w/ titanium shell ***	5	Liquid Crystal Polymer w/ titanium shell ***
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None ***	00	None ***
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF* (body material 2 and 3 only)
TH	Threaded hole**, #0-80 UNF (body material 2 and 3 only)	TH	Threaded hole**, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-3.10	XX	See wiring codes, Page NA-3.10

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Not available option if specifying factory installed backshell.

☒ = Option not RoHS compliant

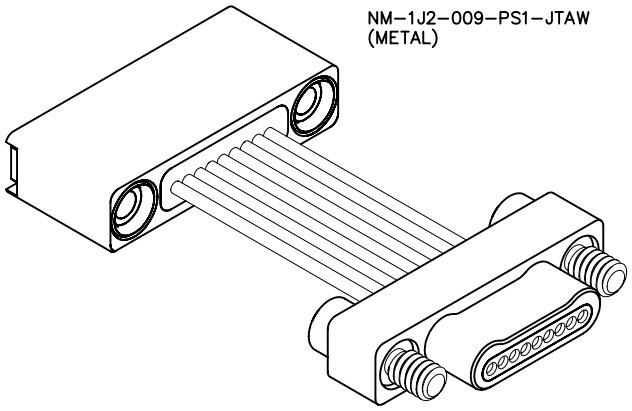
AirBorn

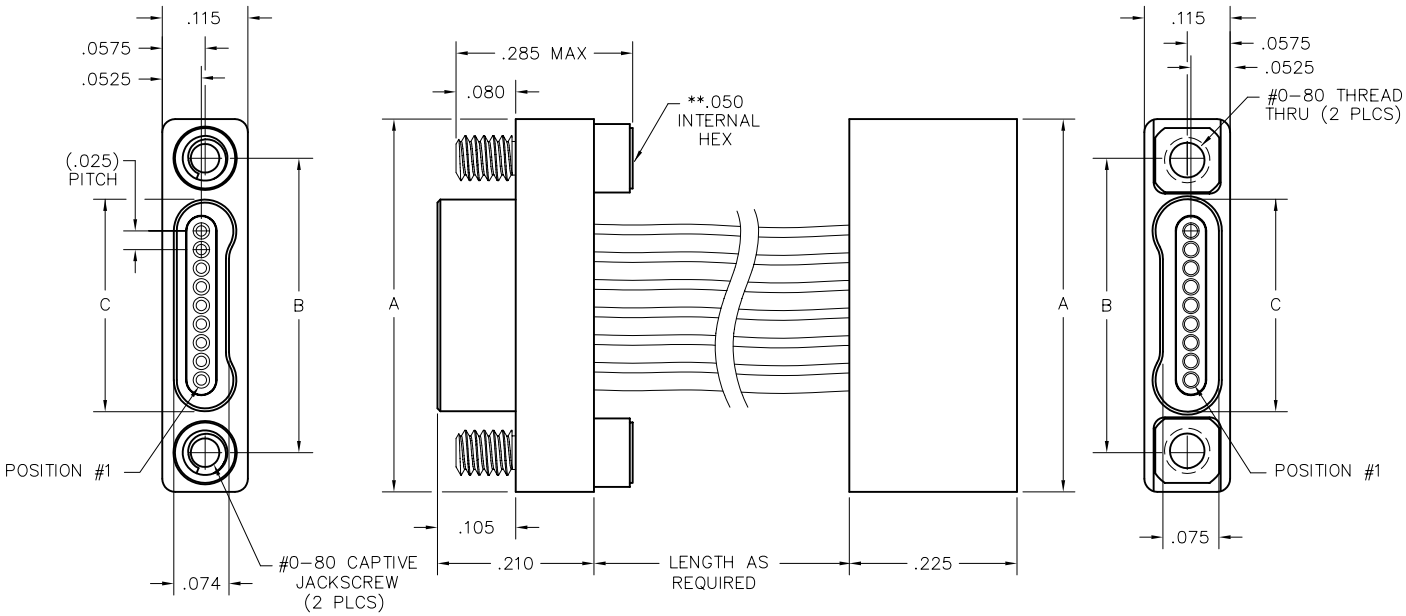
1 ◦ ROW
Cable to Cable (Jumper Assembly)

.025"

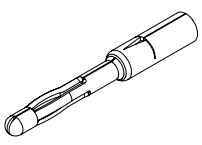
NM, NM

9 thru 51 Contacts



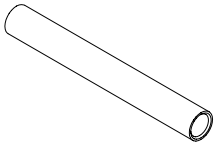


PLUG RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS				
SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.284	.285
15	.650	.545	.434	.435
21	.800	.695	.584	.585
25	.900	.795	.684	.685
31	1.050	.945	.834	.835
37	1.200	1.095	.984	.985
51	1.550	1.445	1.334	1.335



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NM–1J2–009–PS1–JTAW
XX–XXX–XXX–XXX–XXXX

SERIES

NM .025" Metal I/O Connector

BODY

1 1-Row

BODY STYLE:
J Jumper assembly

BODY MATERIAL:
2 Liquid Crystal Polymer with electroless nickel shell
3 Liquid Crystal Polymer with electrodeposited cadmium shell ☒
4 Liquid Crystal Polymer with stainless steel shell
5 Liquid Crystal Polymer with titanium shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
PP Plug to plug
PS Plug to receptacle
SS Receptacle to receptacle

PLATING OPTIONS:
1 50 µ" Au contacts

HARDWARE

STYLE OF HARDWARE:
00 None
JJ Four #0-80 UNF* turning jackscrews, captivated, two on each connector***
JT Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF threaded holes** on receptacle
JP Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF threaded holes** on plug***
TJ Two #0-80 UNF threaded holes** on plug & two #0-80 UNF* turning jackscrews, captivated, on receptacle***
JR Two #0-80 UNF* turning jackscrews, captivated, on receptacle & two #0-80 UNF threaded holes** on receptacle***
TT Four #0-80 UNF threaded holes**, two on each connector***

POLARIZATION / WIRING:
XX For wiring codes, see page NA-2

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Body material 2 and 3 only

● Consult factory if jumpers require other than direct one to one connections.

☒ = Option not RoHS compliant

AirBorn

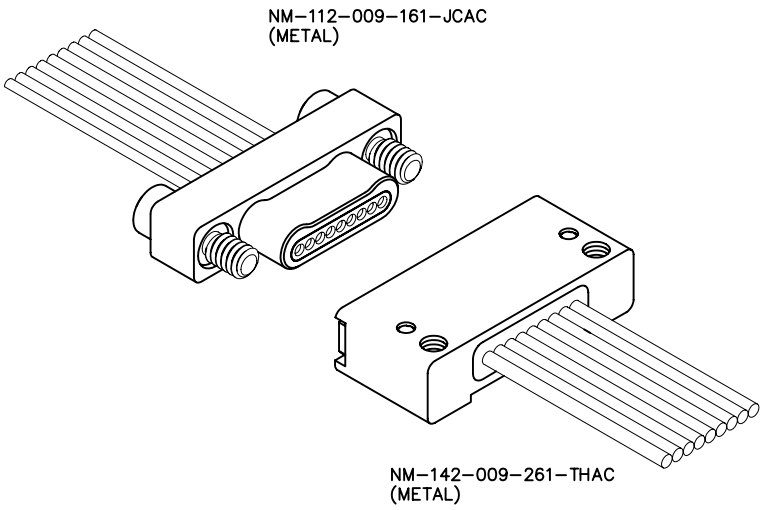
1 · ROW

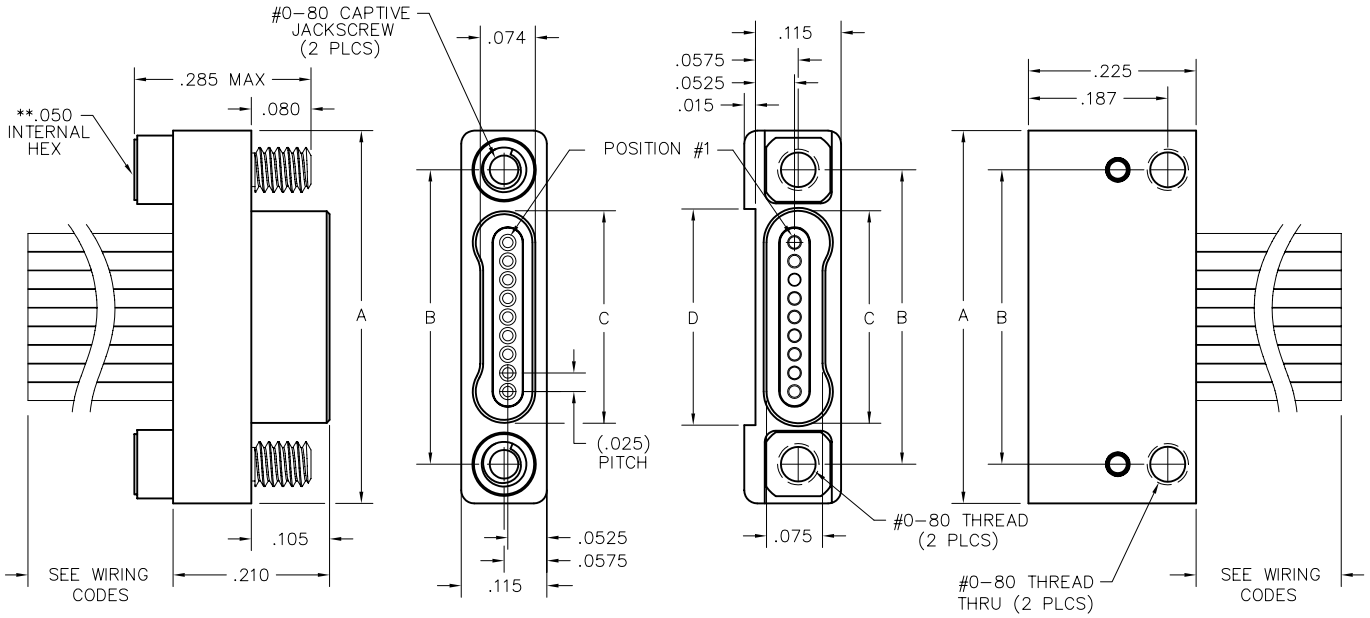
Cable to Cable

.025"

NM, NM

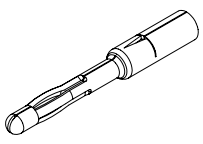
9 thru 51 Contacts





PLUG

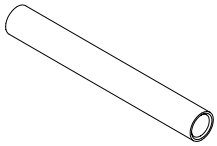
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

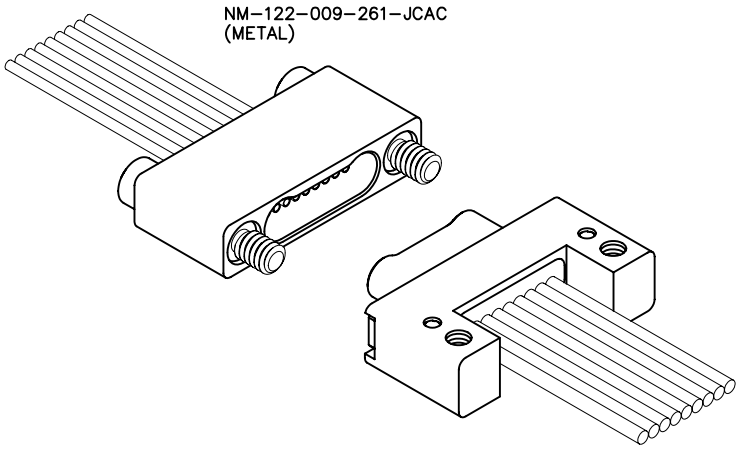
PLUG: NM–112 –009 – 161 –JCAC
RECEPTACLE: NM–142 –009 – 261 –THAC
XX–XXX–XXX–XXX–XXXX

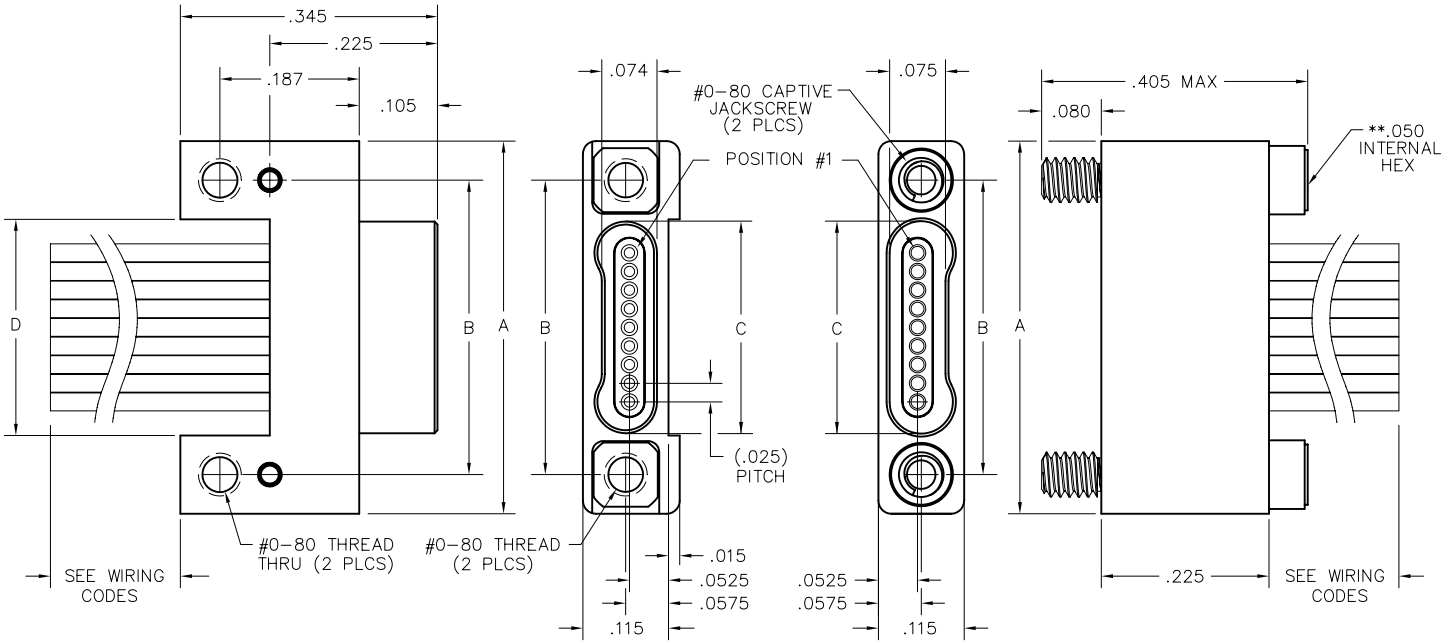
	PLUG		RECEPTACLE
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	4	Receptacle, straight with mounting holes
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

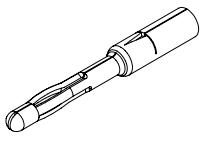
☒ = Option not ROHS compliant

1 · ROW
Cable to Cable
.025"
NM, NM
9 thru 51 Contacts





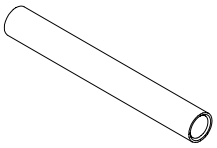
PLUG RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–132–009–161–THAC
RECEPTACLE: NM–122–009–261–JCAC
XX–XXX–XXX–XXX–XXXX

	PLUG		RECEPTACLE
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
3	Plug, straight with mounting holes	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
TH	Threaded hole, #0-80 UNF	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not ROHS compliant

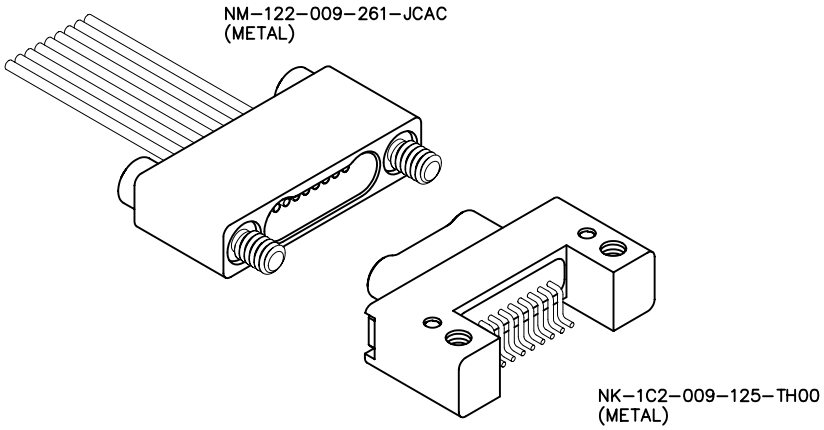
AirBorn

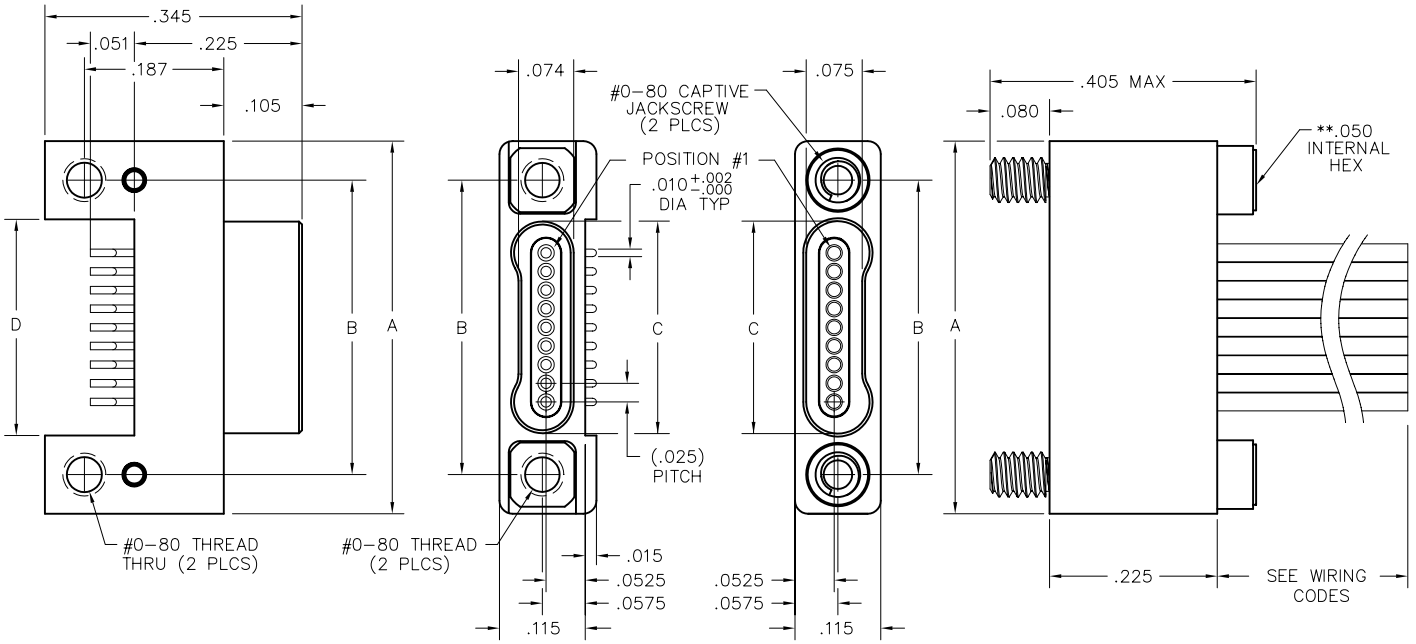
1 · ROW
Cable to Board
Horizontal SMT

.025"

NM, NK

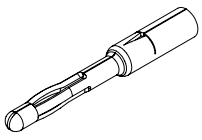
9 thru 51 Contacts





PLUG

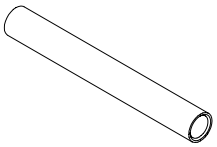
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NK–1C2–009–125–TH00
RECEPTACLE: NM–122–009–261–JCAC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
C	Plug, horizontal mount SMT	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, SMT	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

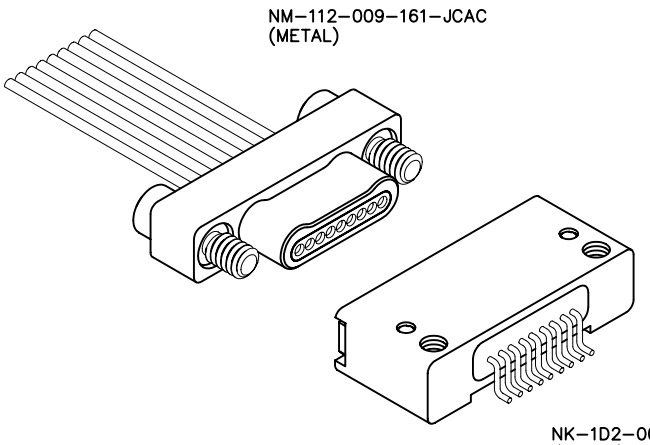
☒ = Option not RoHS compliant

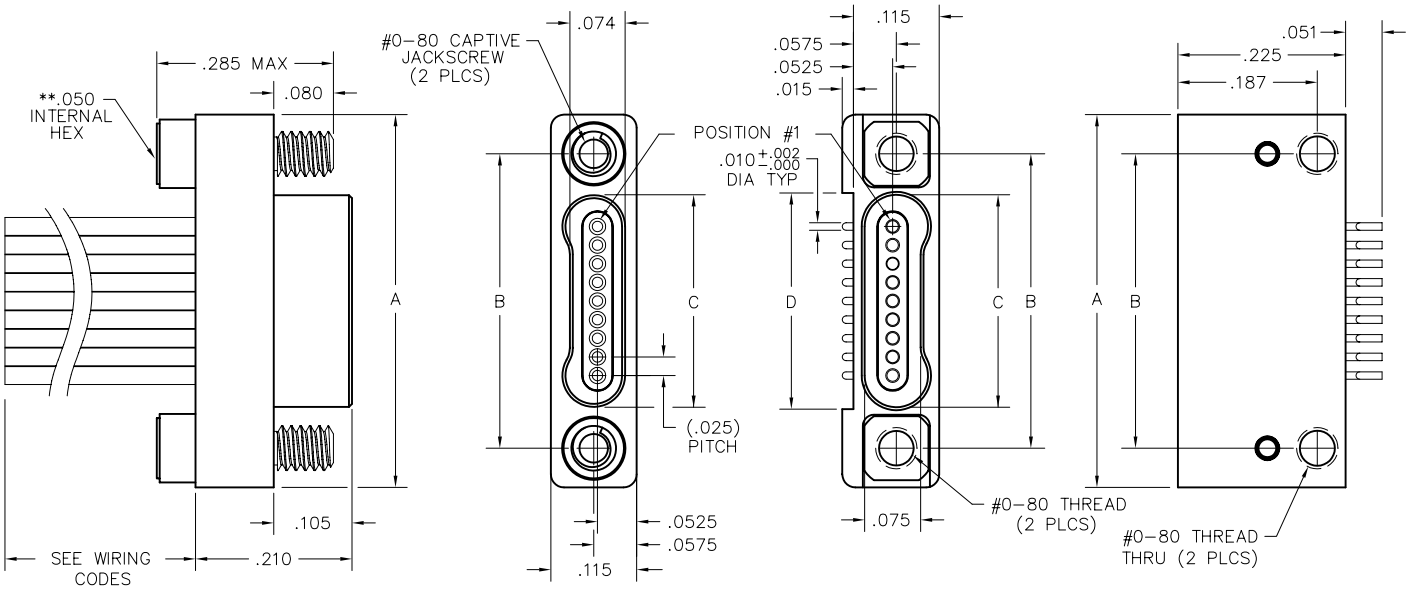
1 · ROW
Cable to Board
Horizontal SMT

.025"

NM, NK

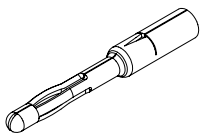
9 thru 51 Contacts





PLUG

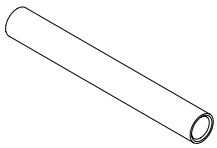
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–112 –009 – 161 –JCAC
RECEPTACLE: NK–1D2 –009 –225 –TH00
XX–XXX–XXX–XXX–XXXX

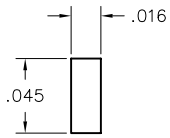
PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
1	1-Row	1	1-Row
			BODY STYLE:
1	Plug, straight	D	Receptacle, horizontal mount SMT
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	22	Socket, SMT
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

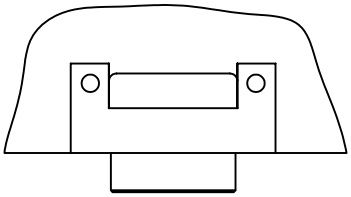
☒ = Option not RoHS compliant

Recommended PC Board Layout

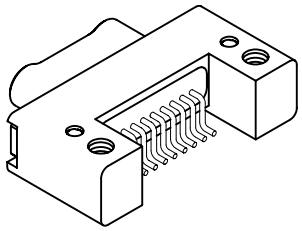
Horizontal SMT Plug
FOR REFERENCE ONLY

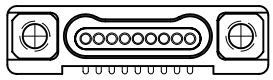


FOOTPRINT / PAD CONFIGURATION



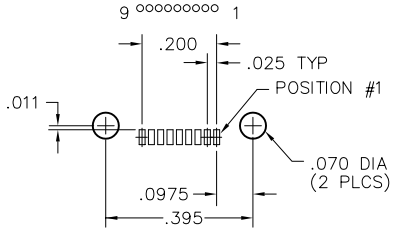
PC BOARD LAYOUT COMPONENT SIDE



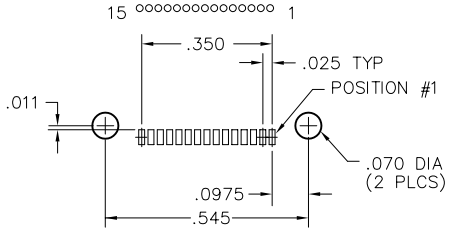


CONNECTOR MATING FACE

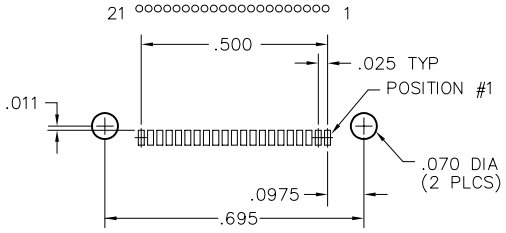
9 POSITION



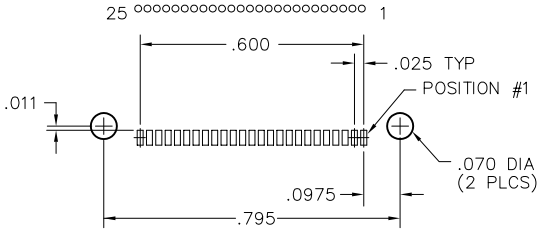
15 POSITION



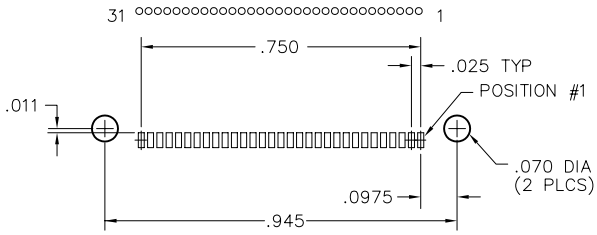
21 POSITION



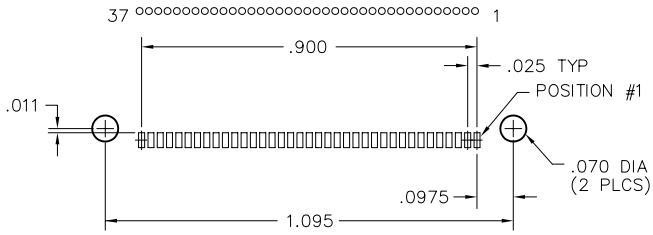
25 POSITION



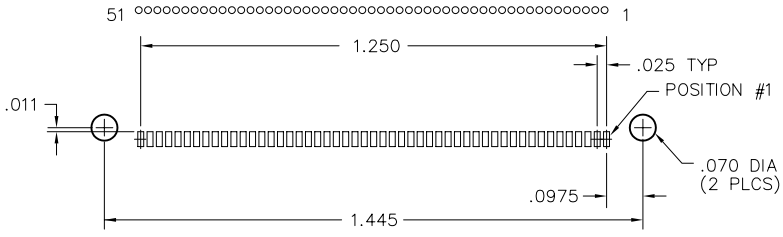
31 POSITION

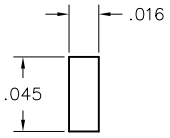


37 POSITION

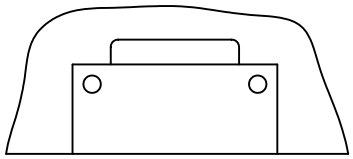


51 POSITION

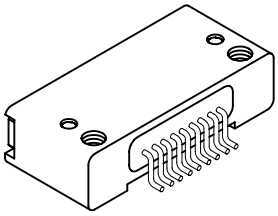


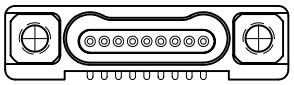


FOOTPRINT / PAD CONFIGURATION



PC BOARD LAYOUT COMPONENT SIDE



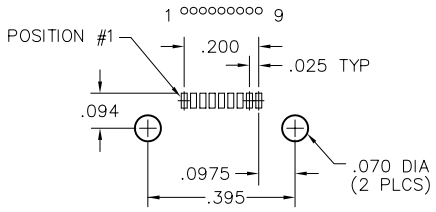


CONNECTOR MATING FACE

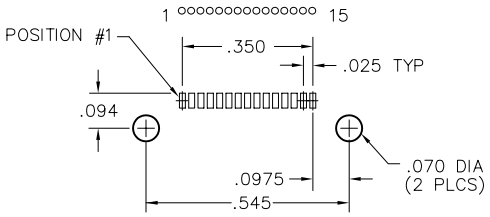
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

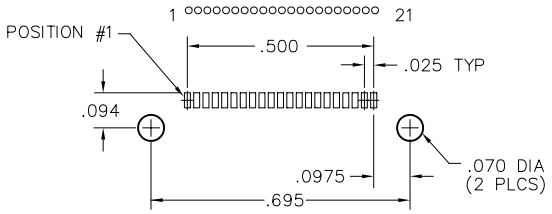
9 POSITION



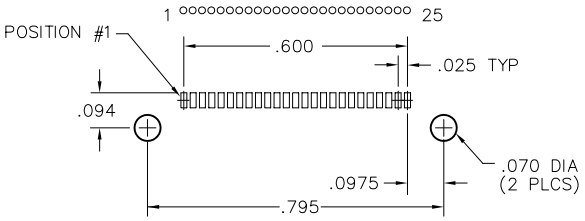
15 POSITION



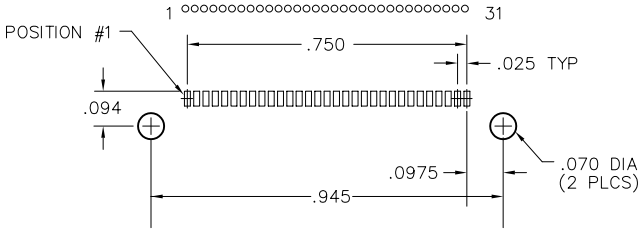
21 POSITION



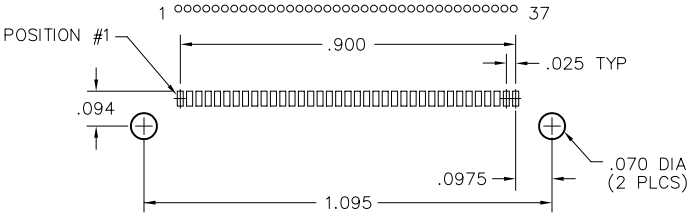
25 POSITION



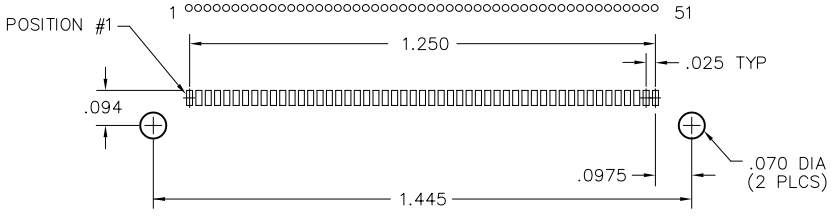
31 POSITION



37 POSITION



51 POSITION



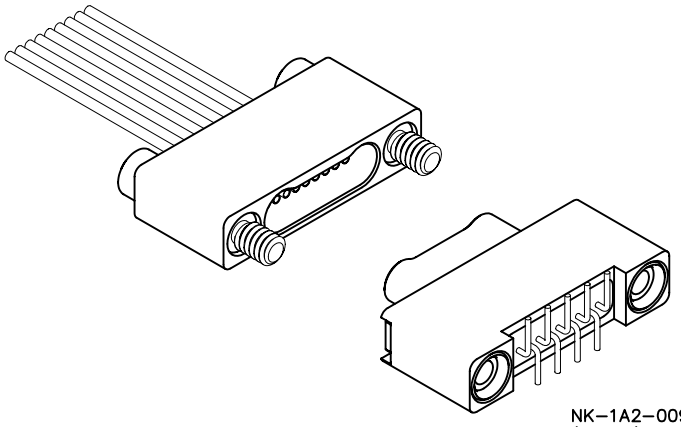
1 · ROW
Cable to Board
Vertical SMT

.025"

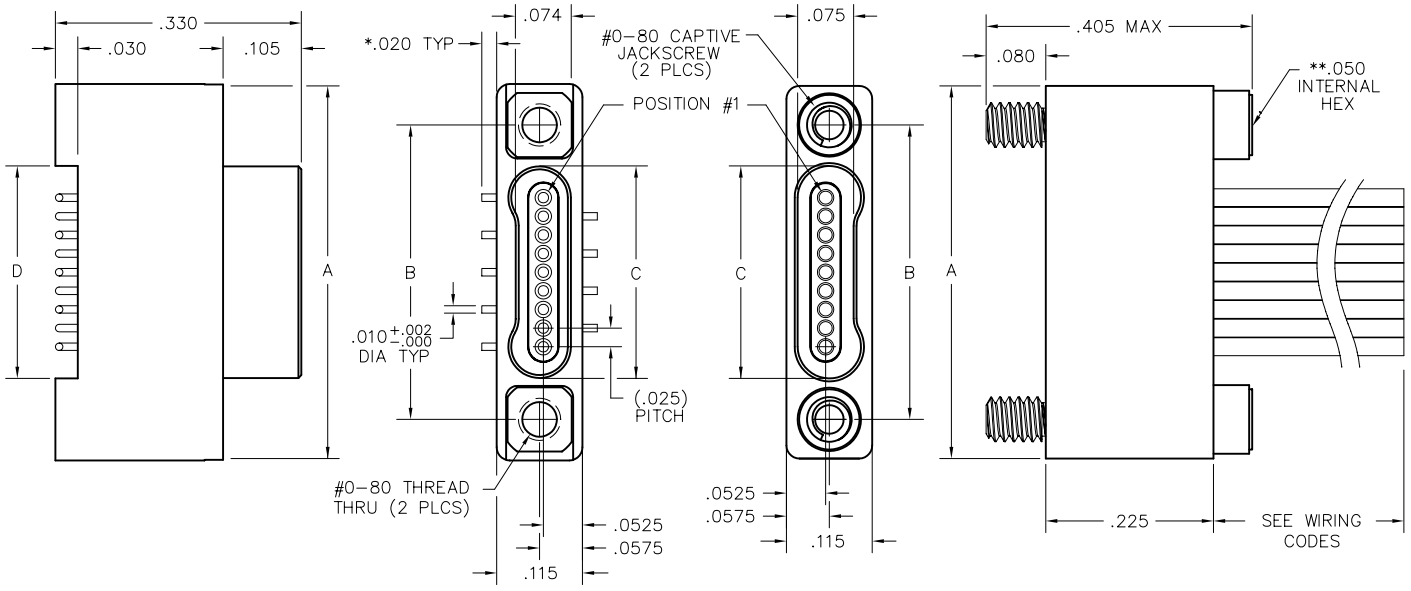
NM, NK

9 thru 51 Contacts

NM–122–009–261–JCAC
(METAL)

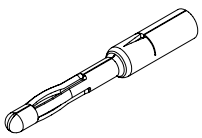


NK–1A2–009–125–TH00
(METAL)



PLUG

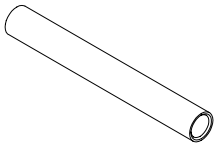
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.287
15	.650	.545	.434	.435	.437
21	.800	.695	.584	.585	.587
25	.900	.795	.684	.685	.687
31	1.050	.945	.834	.835	.837
37	1.200	1.095	.984	.985	.987
51	1.550	1.445	1.334	1.335	1.337

* = DIMENSION CHANGES TO .040" FOR
"010" OPTION. SEE PAGE N–20.
** = HEX MEASUREMENT TAKEN ACROSS FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NK–1A2–009–125–TH00
RECEPTACLE: NM–122–009–261–JCAC
XX–XXX–XXX–XXX–XXXX–XXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
A	Plug, vertical mount SMT	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, SMT (.020 lead envelope)	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2
OPTIONS			
010	.040 lead envelope		

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

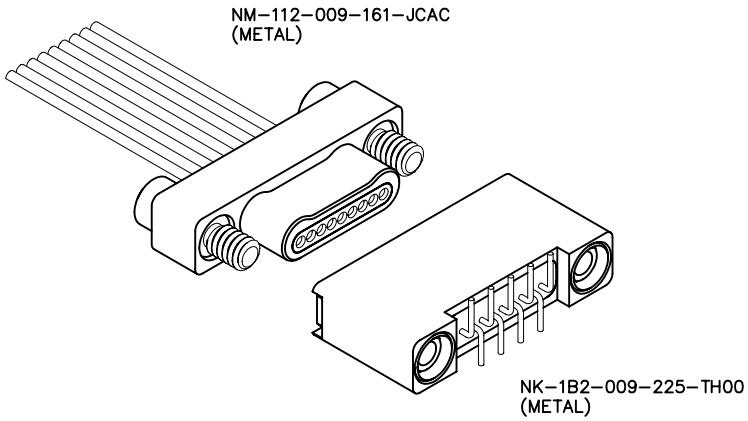
☒ = Option not RoHS compliant

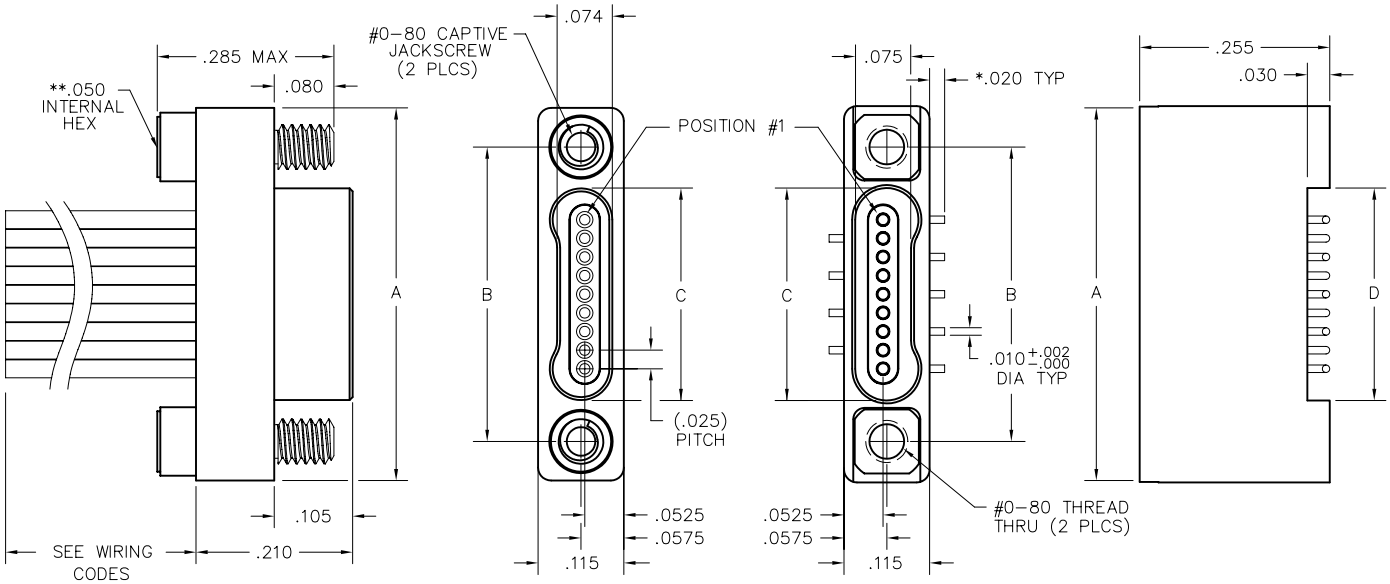
1 ◦ ROW
Cable to Board
Vertical SMT

.025"

NM, NK

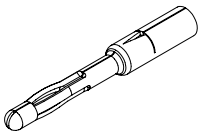
9 thru 51 Contacts





PLUG

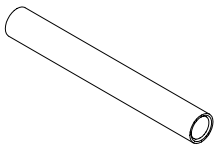
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.287
15	.650	.545	.434	.435	.437
21	.800	.695	.584	.585	.587
25	.900	.795	.684	.685	.687
31	1.050	.945	.834	.835	.837
37	1.200	1.095	.984	.985	.987
51	1.550	1.445	1.334	1.335	1.337

* = DIMENSION CHANGES TO .040" FOR
".010" OPTION. SEE PAGE N–22.
** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–112 –009– 161 –JCAC
RECEPTACLE: NK –1B2 –009–225–TH00
XX–XXX–XXX–XXX–XXXX–XXX

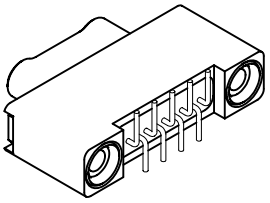
PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	B	Receptacle, vertical mount SMT
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	22	Socket, SMT (.020 lead envelope)
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None
OPTIONS			
		010	.040 lead envelope

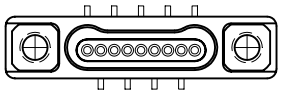
* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

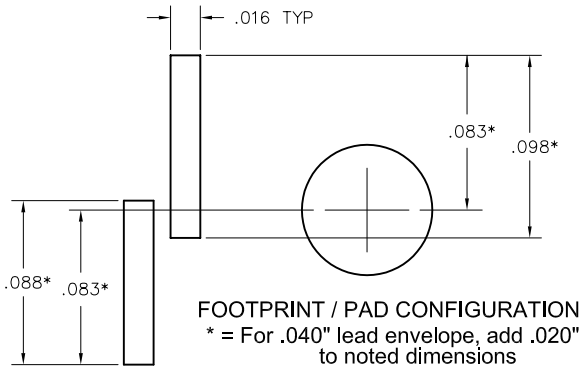
Recommended PC Board Layout

Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY



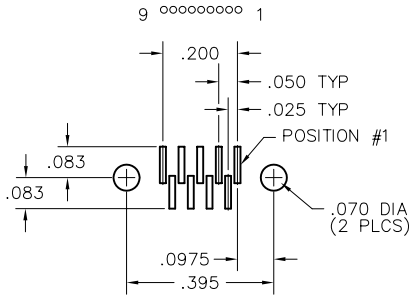


CONNECTOR MATING FACE

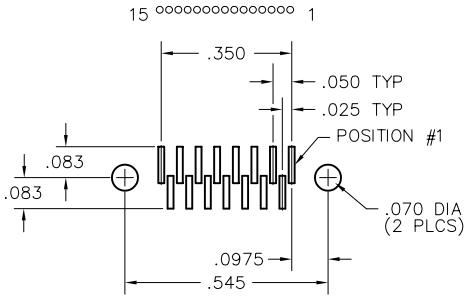


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

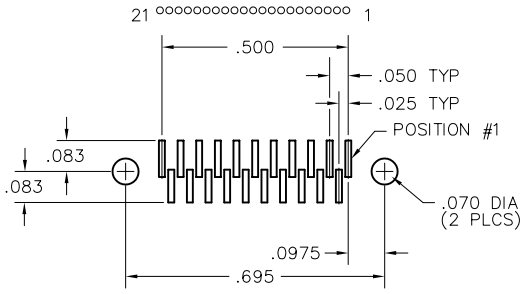
9 POSITION



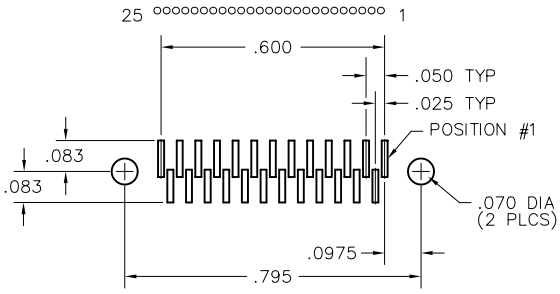
15 POSITION



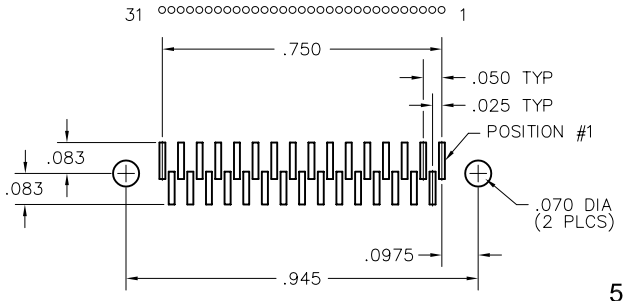
21 POSITION



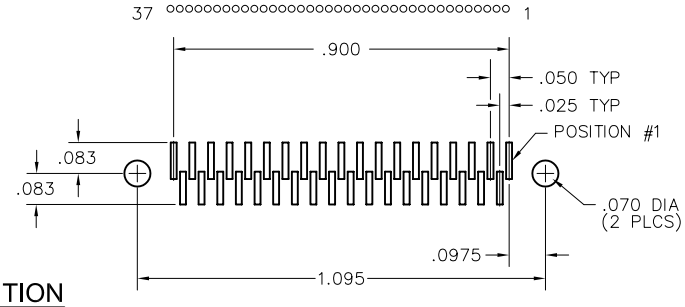
25 POSITION



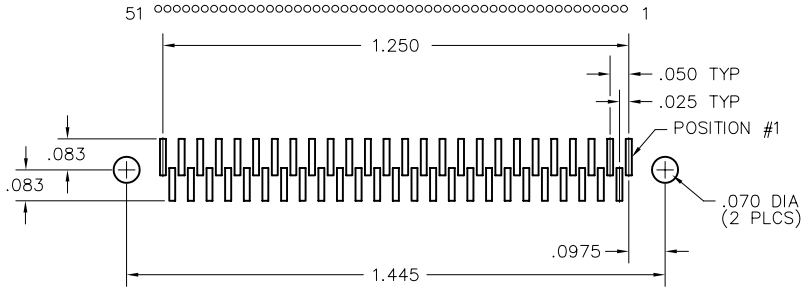
31 POSITION

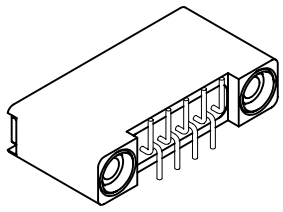


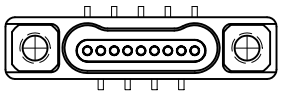
37 POSITION



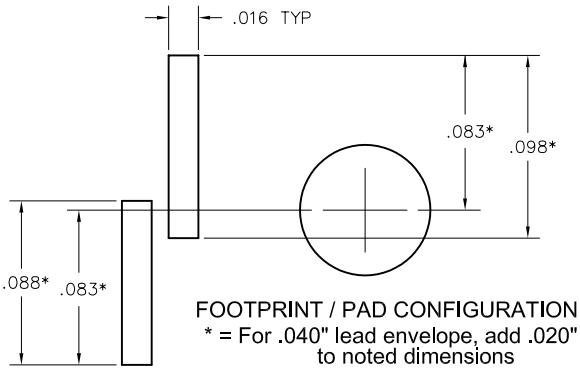
51 POSITION







CONNECTOR MATING FACE

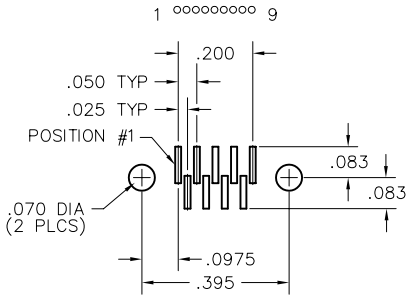


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

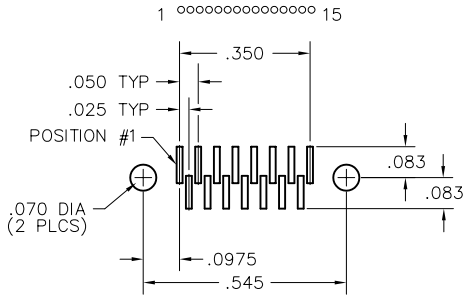
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

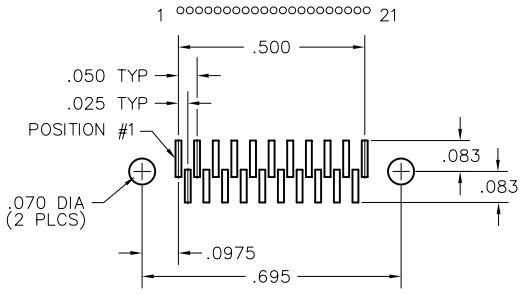
9 POSITION



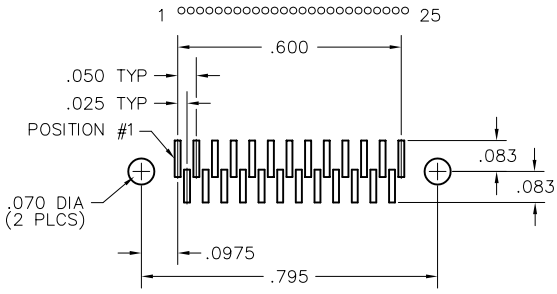
15 POSITION



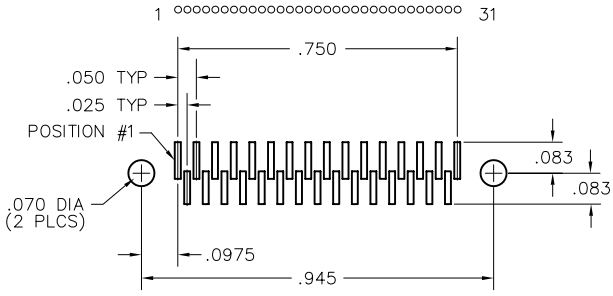
21 POSITION



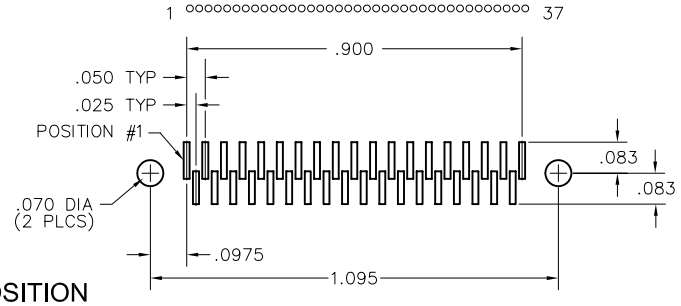
25 POSITION



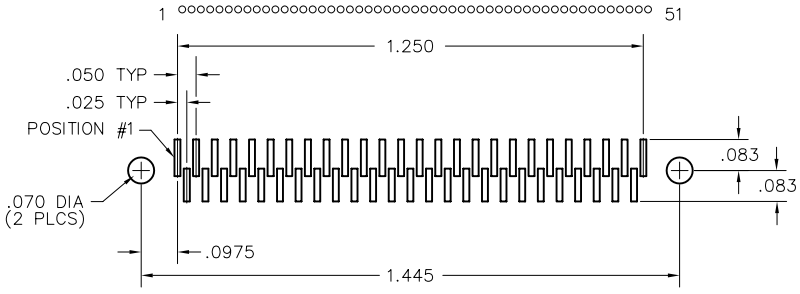
31 POSITION



37 POSITION



51 POSITION

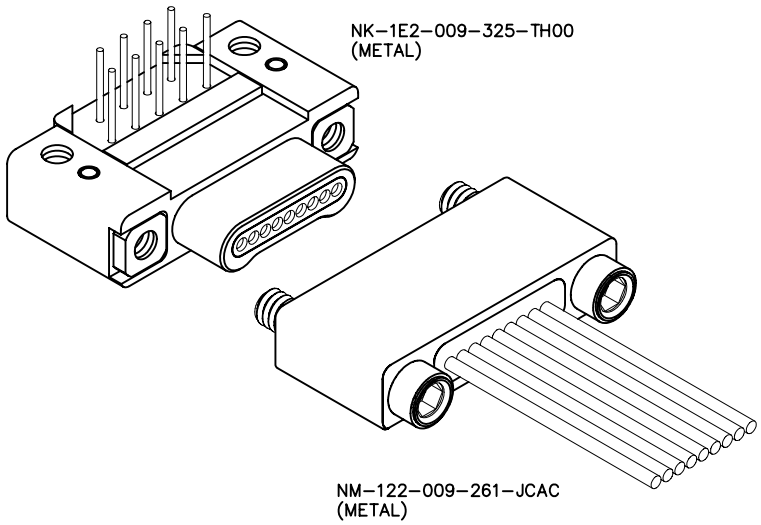


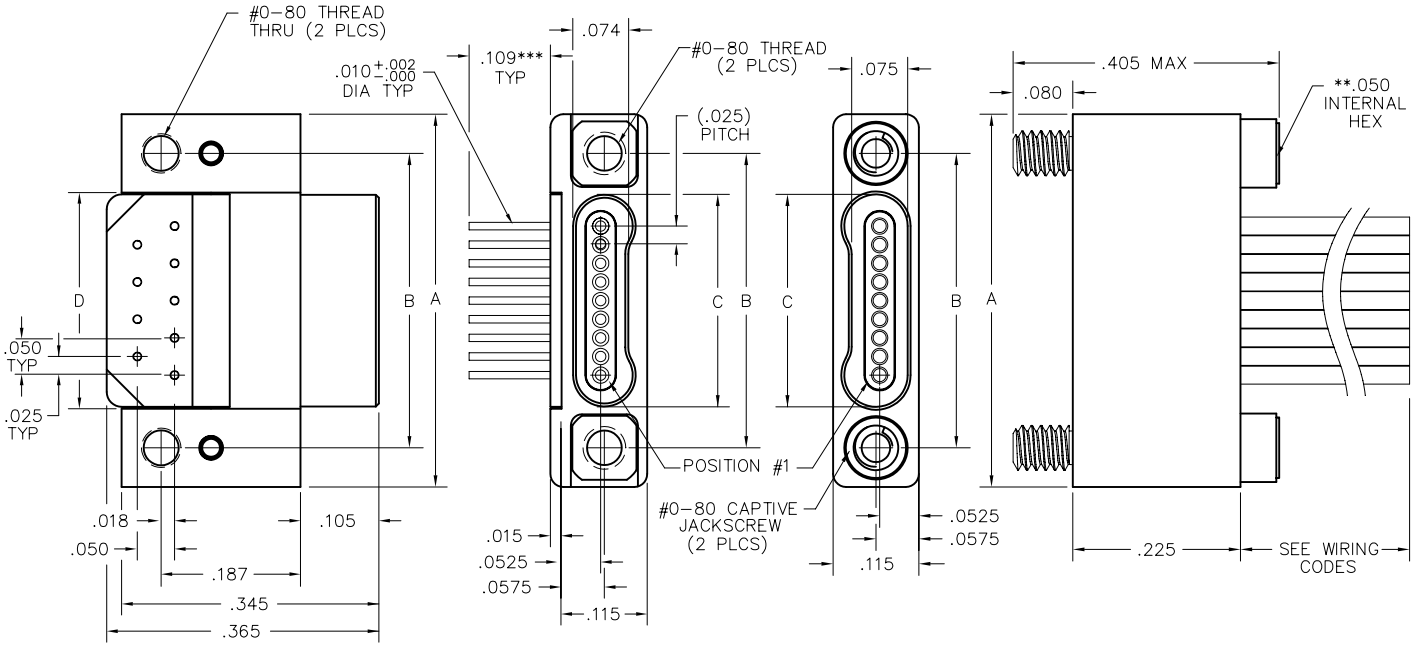
AirBorn

1 · ROW
Cable to Board
Right Angle PTH
.025"

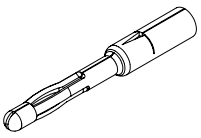
NM, NK

9 thru 51 Contacts



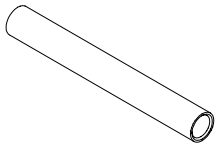


PLUG RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK–1E2–009–325–TH00
RECEPTACLE: NM–122–009–261–JCAC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
E	Plug, right angle, plated thru hole (PTH)	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
32	Pin, right angle, .109"	26	Socket, straight, crimped wire
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2

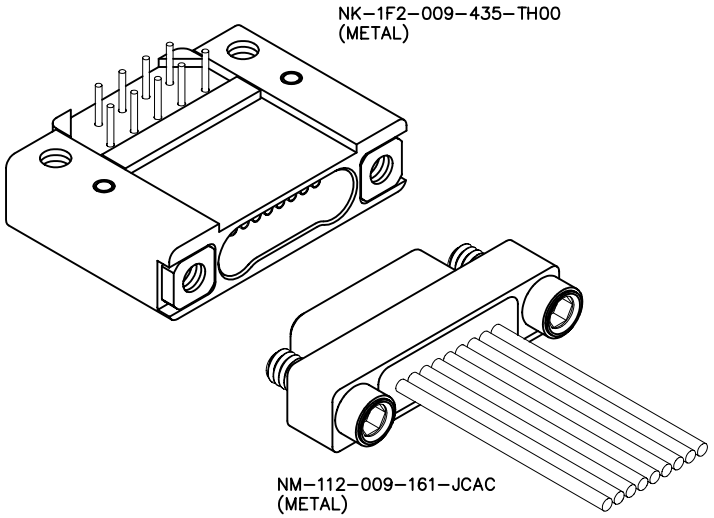
* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

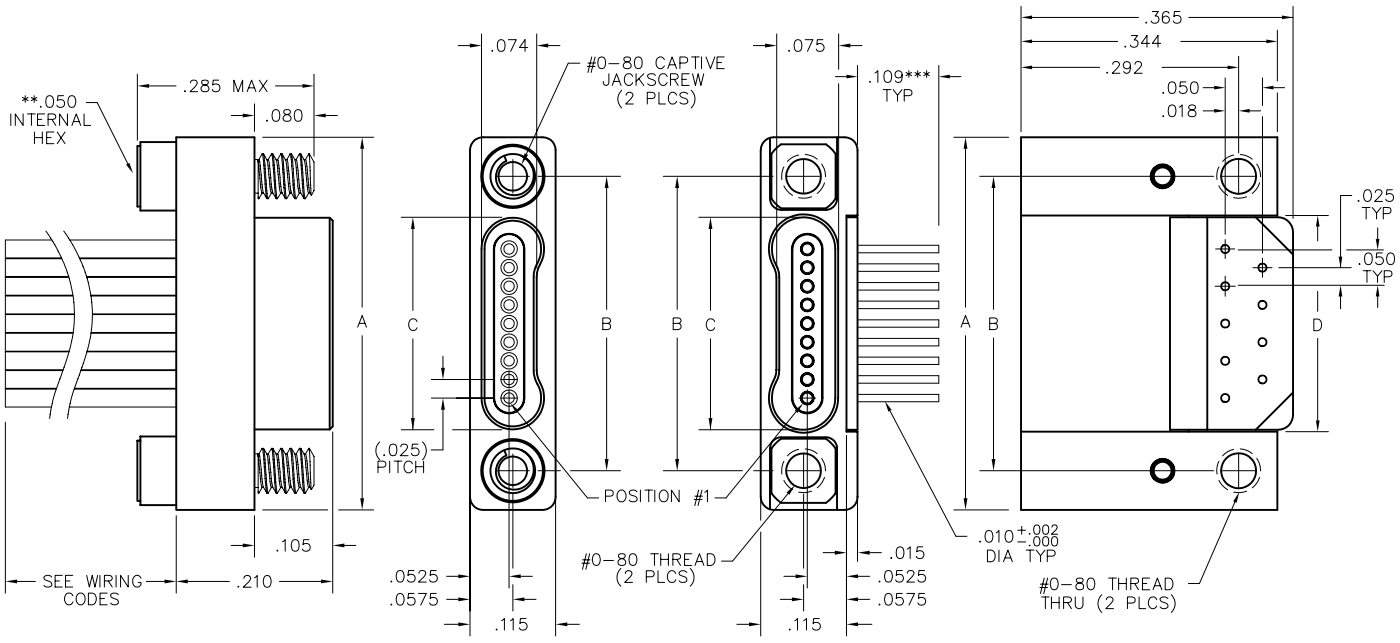
☒ = Option not RoHS compliant

1 · ROW
Cable to Board
Right Angle PTH
.025"

NM, NK

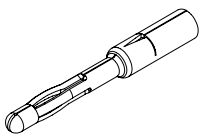
9 thru 51 Contacts





PLUG

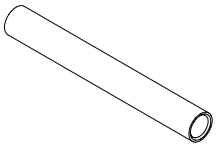
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–112 –009 – 161 –JCAC
RECEPTACLE: NK–1F2 –009–435–TH00
XX–XXX–XXX–XXX–XXXX

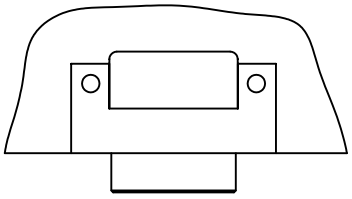
PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	F	Receptacle, right angle, plated thru hole (PTH)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	43	Socket, right angle, .109"
		44	Socket, right angle, .140"
		45	Socket, right angle, .172"
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

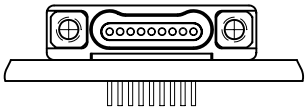
☒ = Option not RoHS compliant

Recommended PC Board Layout

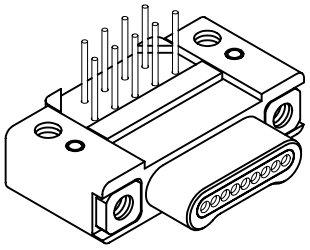
Right Angle PTH Plug
FOR REFERENCE ONLY



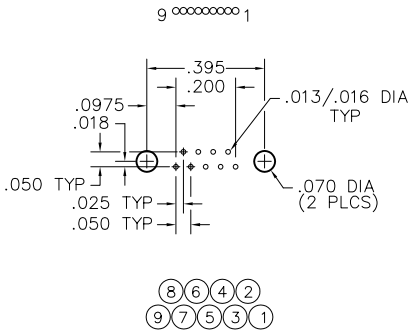
PC BOARD LAYOUT
COMPONENT SIDE



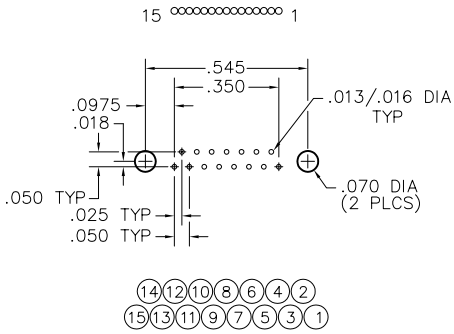
CONNECTOR MATING FACE



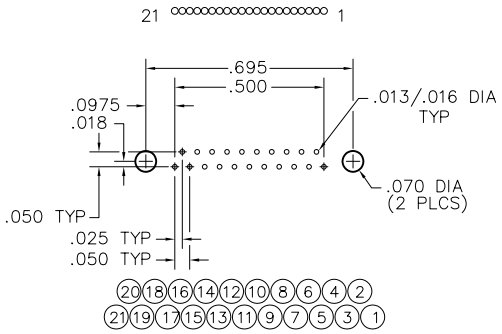
9 POSITION



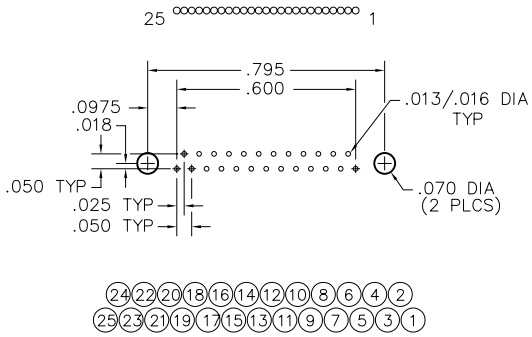
15 POSITION



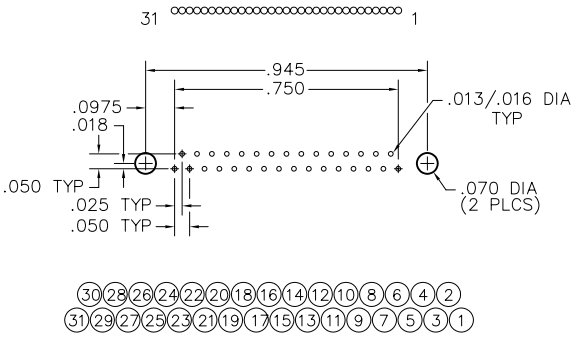
21 POSITION



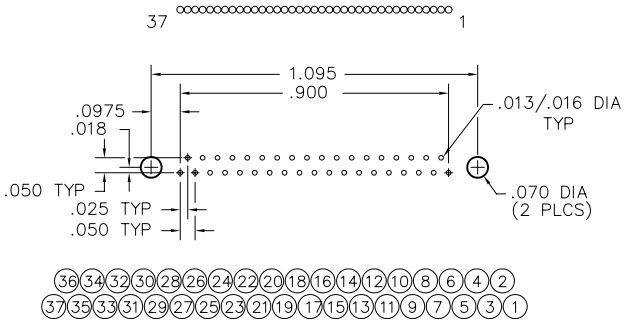
25 POSITION



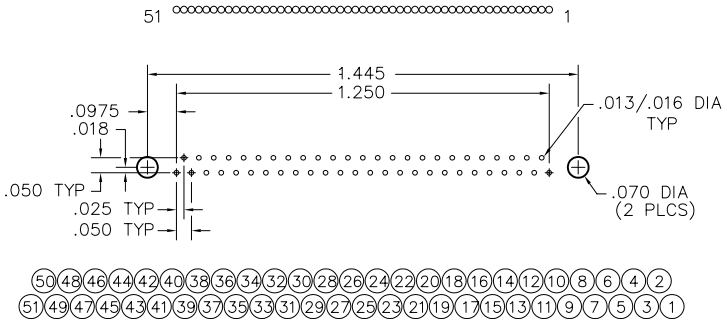
31 POSITION

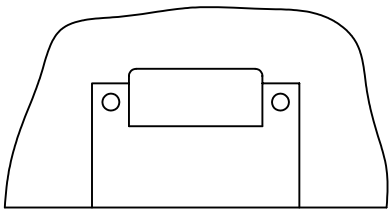


37 POSITION

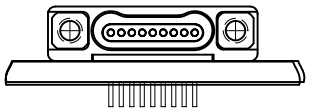


51 POSITION

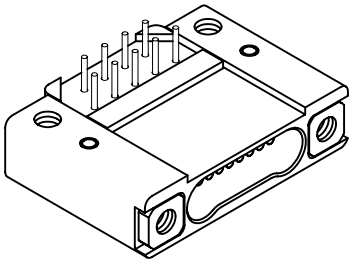




PC BOARD LAYOUT
COMPONENT SIDE



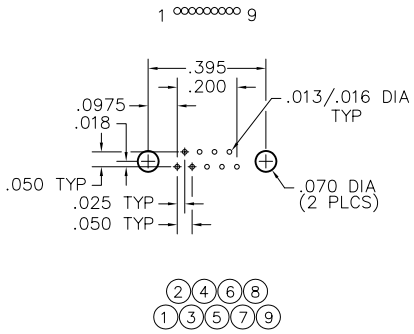
CONNECTOR MATING FACE



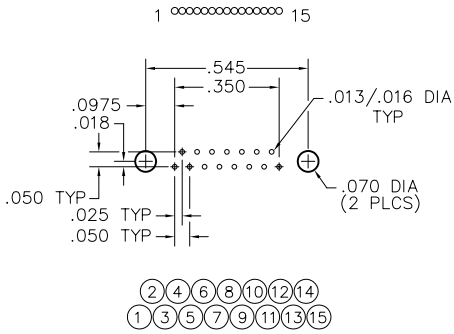
Recommended PC Board Layout

Right Angle PTH Receptacle
FOR REFERENCE ONLY

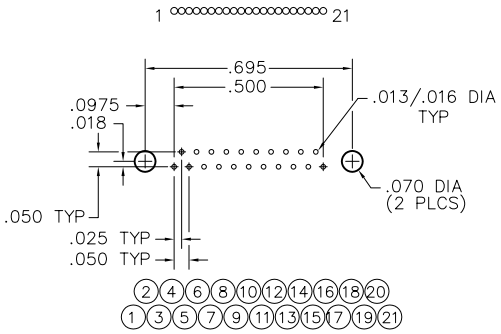
9 POSITION



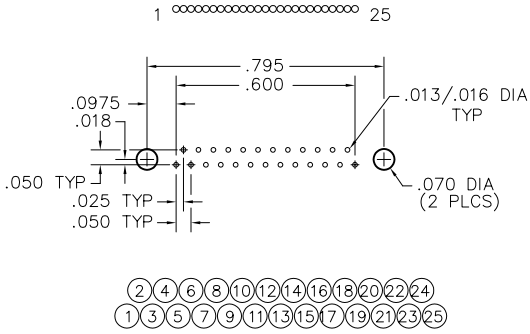
15 POSITION



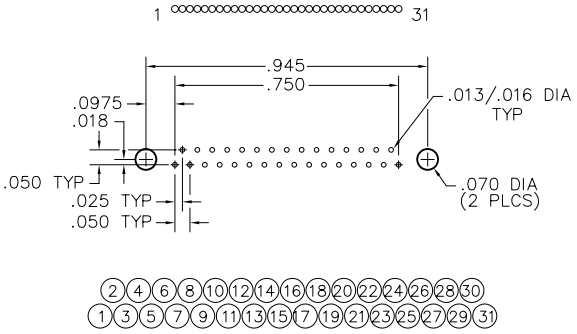
21 POSITION



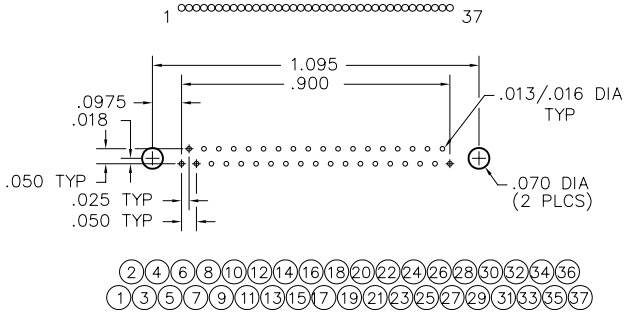
25 POSITION



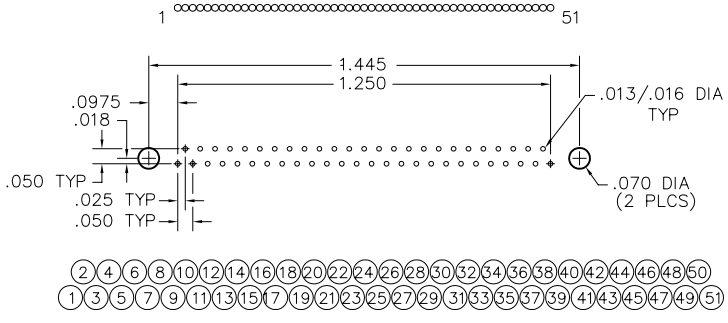
31 POSITION



37 POSITION



51 POSITION



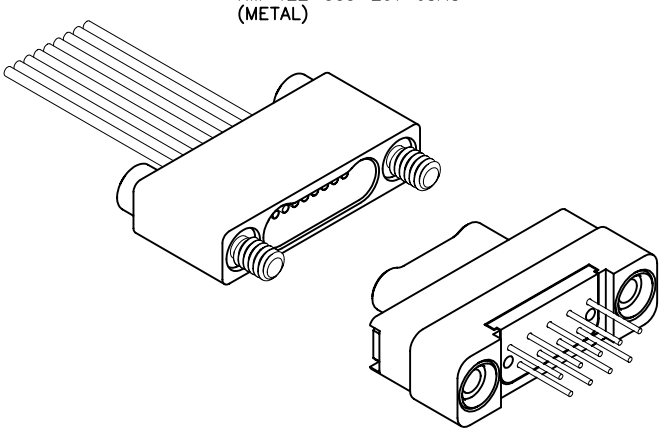
1 · ROW
Cable to Board
Vertical PTH

.025"

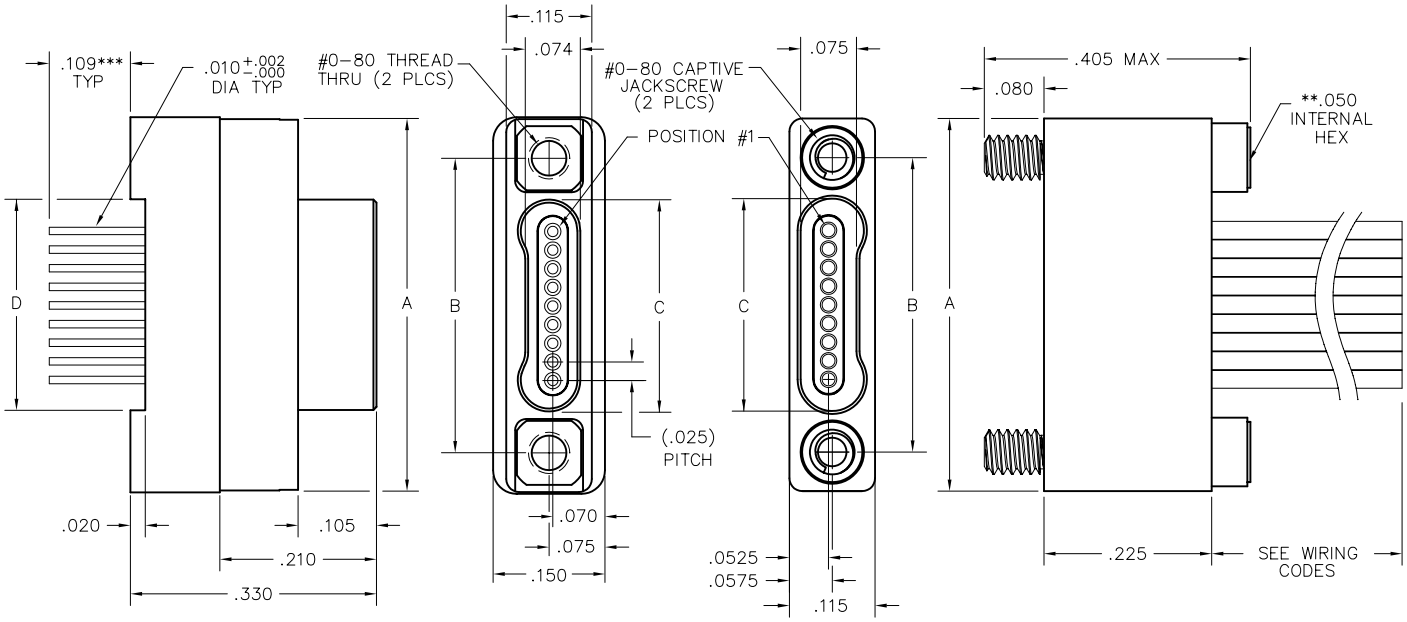
NM, NK

9 thru 51 Contacts

NM–122–009–261–JCAC
(METAL)

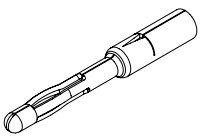


NK–1G2–009–135–TH00
(METAL)



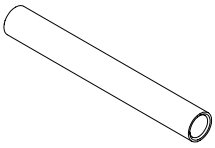
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.285
15	.650	.545	.434	.435	.435
21	.800	.695	.584	.585	.585
25	.900	.795	.684	.685	.685
31	1.050	.945	.834	.835	.835
37	1.200	1.095	.984	.985	.985
51	1.550	1.445	1.334	1.335	1.335



SOCKET CONTACT
DRAWN TUBE, CRIMP

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK–1G2–009–135–TH00
RECEPTACLE: NM–122–009–261–JCAC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
G	Plug, vertical mount, plated thru hole (PTH)	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
13	Pin, straight, .109"	26	Socket, straight, crimped wire
14	Pin, straight, .140"		
15	Pin, straight, .172"		
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

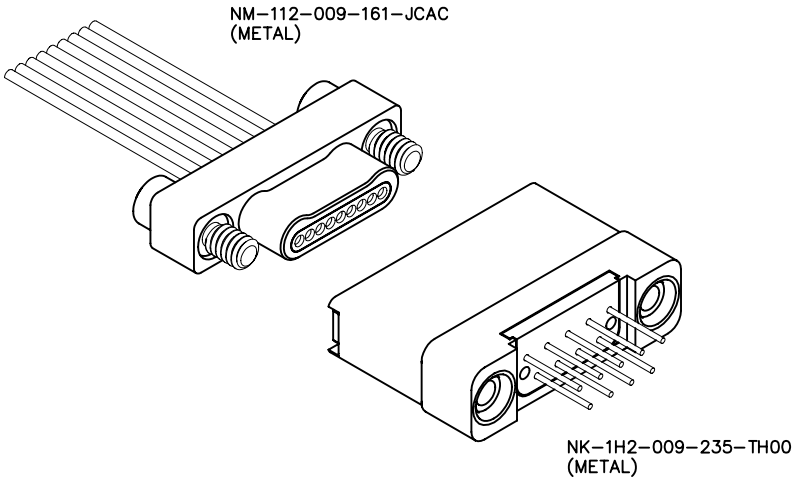
AirBorn

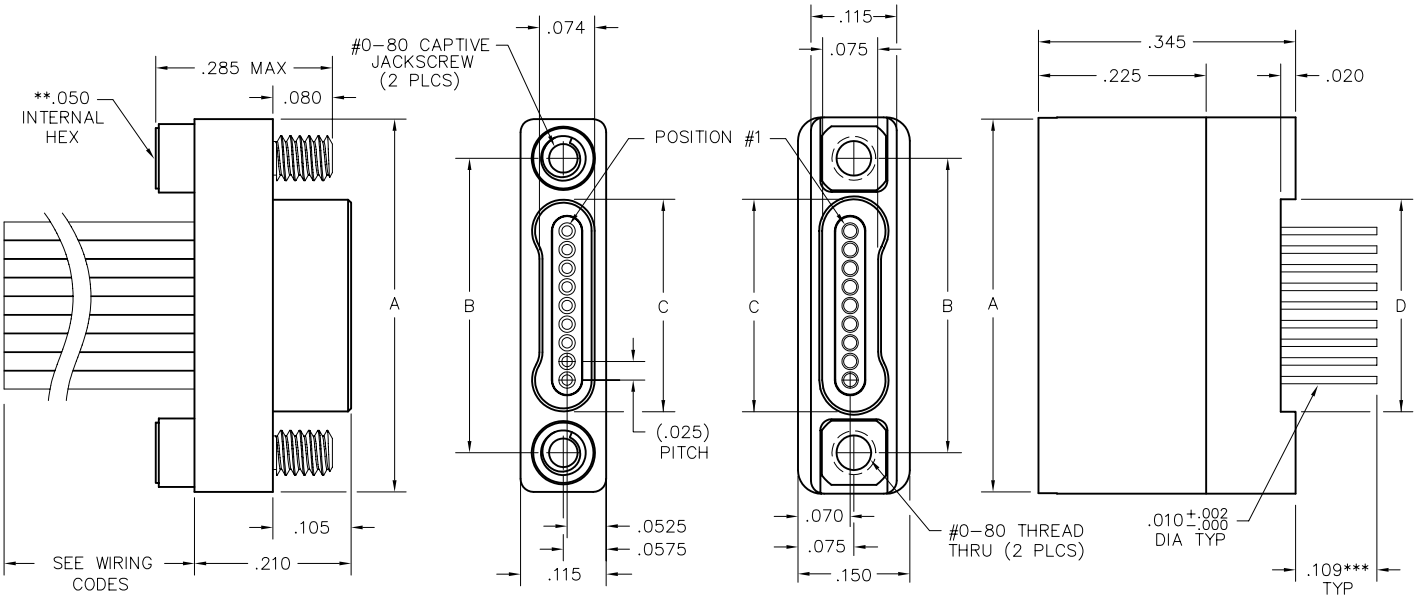
1 · ROW
Cable to Board
Vertical PTH

.025"

NM, NK

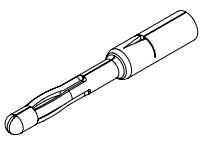
9 thru 51 Contacts





PLUG

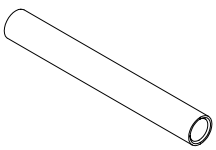
RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.285
15	.650	.545	.434	.435	.435
21	.800	.695	.584	.585	.585
25	.900	.795	.684	.685	.685
31	1.050	.945	.834	.835	.835
37	1.200	1.095	.984	.985	.985
51	1.550	1.445	1.334	1.335	1.335

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–112 –009 – 161 –JCAC
RECEPTACLE: NK–1H2 –009 –235 –TH00
XX–XXX–XXX–XXX–XXX–XXXX

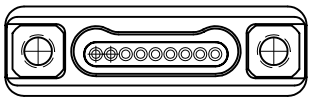
PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	H	Receptacle, vertical mount, plated thru hole (PTH)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)	XXX	Number of contacts (009, 015, 021, 025, 031, 037 or 051)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	23	Socket, straight, .109"
		24	Socket, straight, .140"
		25	Socket, straight, .172"
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None

* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

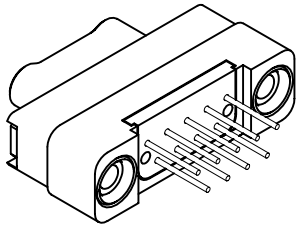
☒ = Option not RoHS compliant

Recommended PC Board Layout

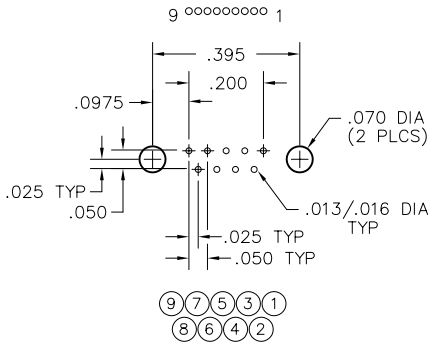
Vertical PTH Plug
FOR REFERENCE ONLY



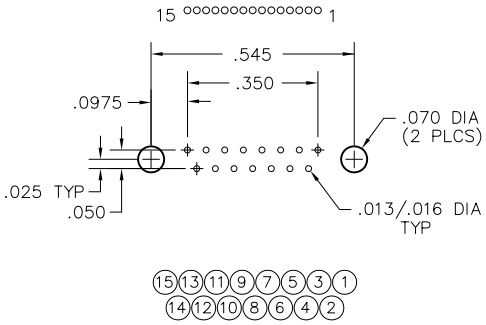
CONNECTOR MATING FACE



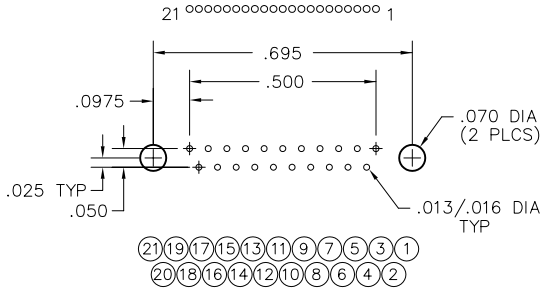
9 POSITION



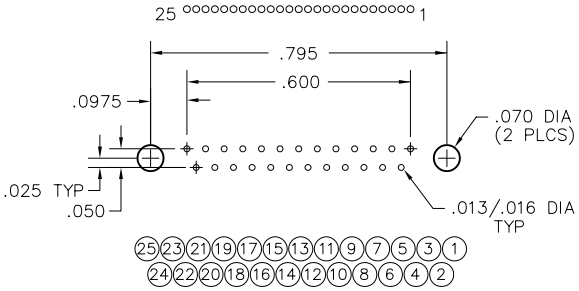
15 POSITION



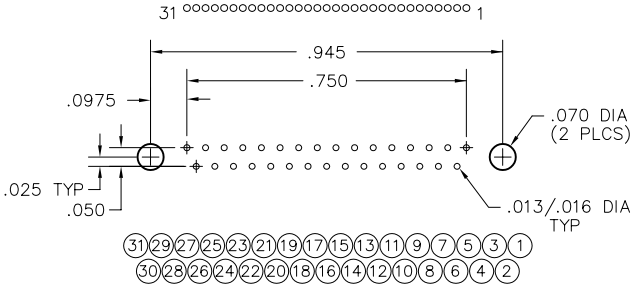
21 POSITION



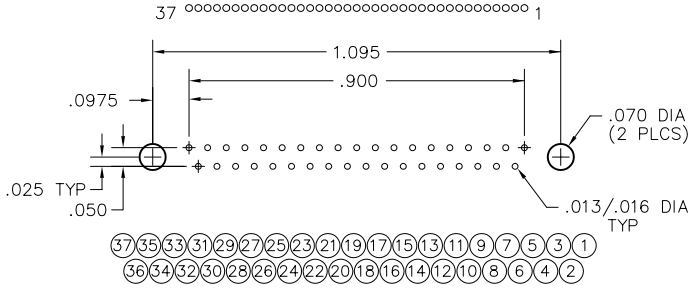
25 POSITION



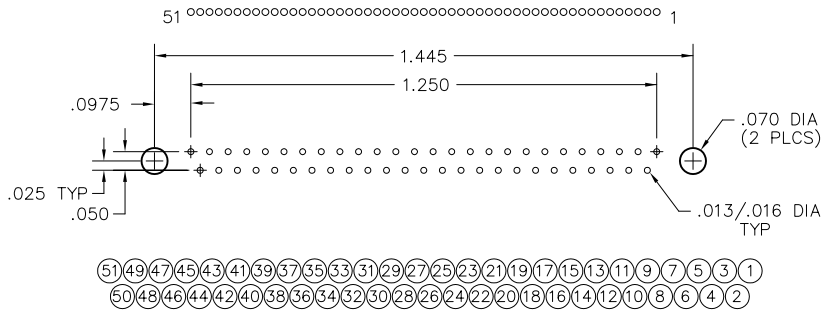
31 POSITION

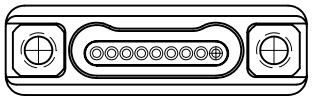


37 POSITION

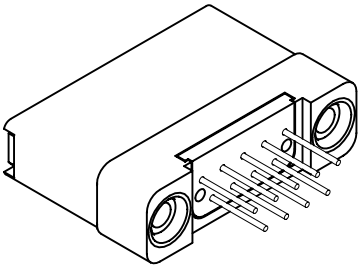


51 POSITION





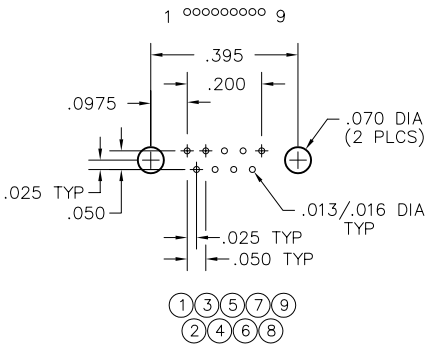
CONNECTOR MATING FACE



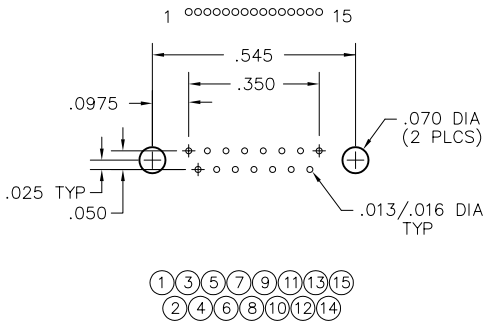
Recommended PC Board Layout

Vertical PTH Receptacle
FOR REFERENCE ONLY

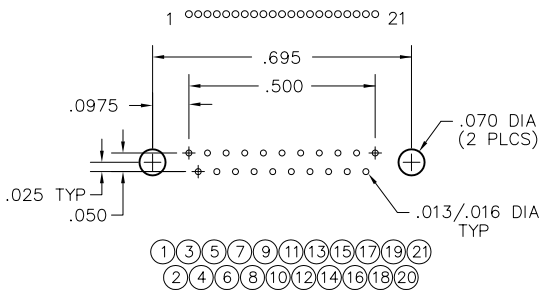
9 POSITION



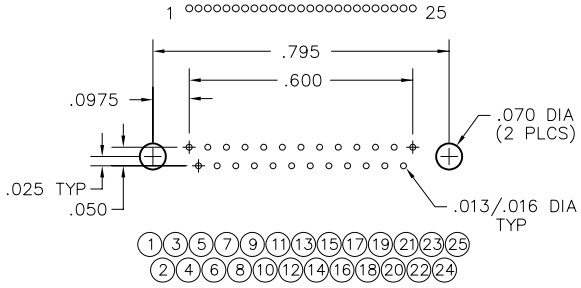
15 POSITION



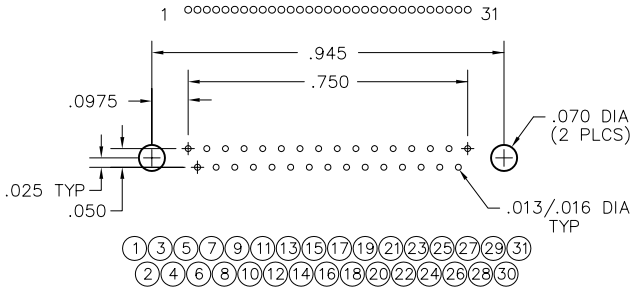
21 POSITION



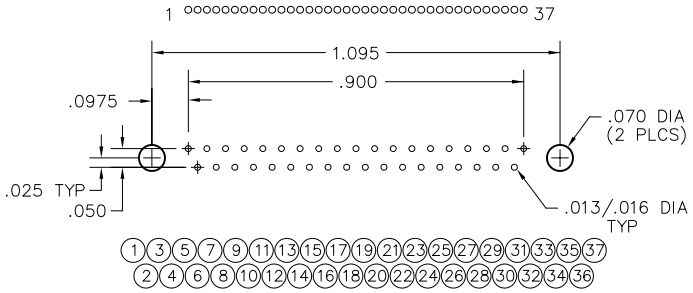
25 POSITION



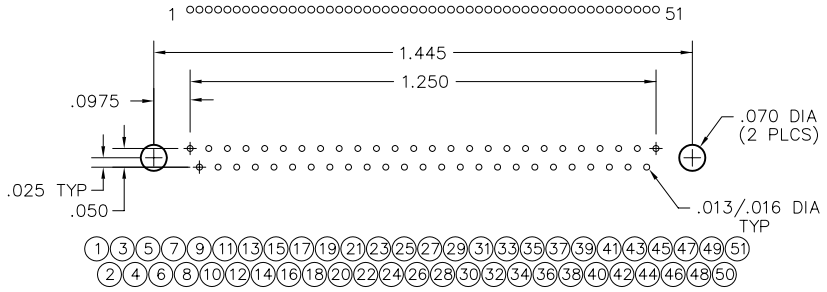
31 POSITION



37 POSITION



51 POSITION



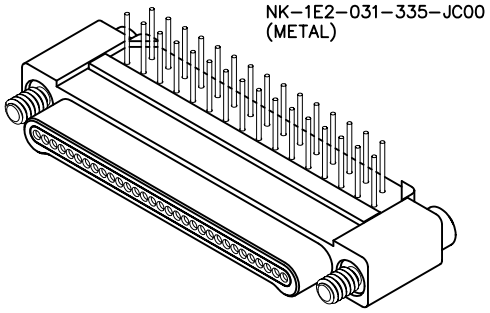
Ask About AirBorn's Accelerated Delivery Service

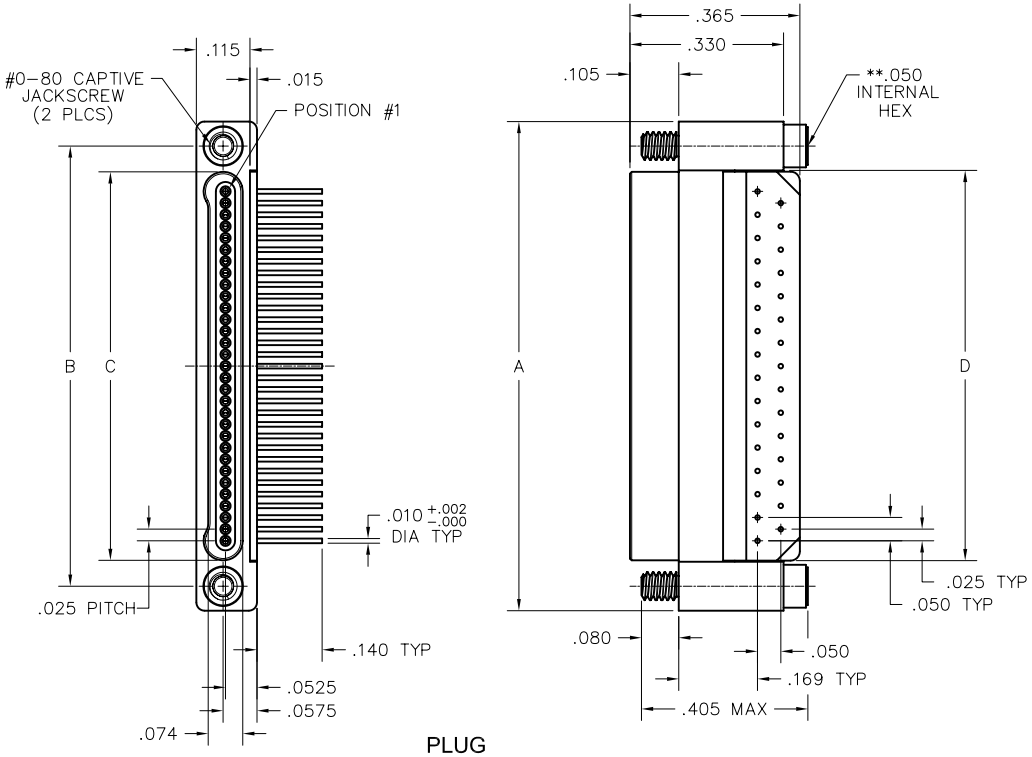
AirBorn

1 · ROW
Flex to Board Plug
.025"

NK, NK

9 thru 85 Contacts





PLUG

DIMENSIONS					
SIZE	A	B	C		D
			PLUG	RCPT	
9	.500	.395	.284	.285	.290
15	.650	.545	.434	.435	.440
21	.800	.695	.584	.585	.590
25	.900	.795	.684	.685	.690
31	1.050	.945	.834	.835	.840
37	1.200	1.095	.984	.985	.990
51	1.550	1.445	1.334	1.335	1.340

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG: NK–1E2–031–335–JC00
XX–XXX–XXX–XXX–XXXX

PLUG

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

1 1-Row

BODY STYLE:
E Plug, right angle, plated thru hole (PTH)

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037 or 051)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
32 Pin, right angle, .109"
33 Pin, right angle, .140"
34 Pin, right angle, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
00 None
JC Turning jackscrews, captivated #0-80 UNF*

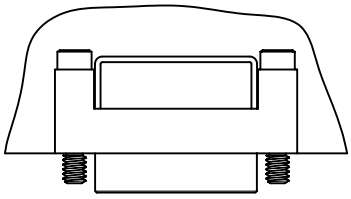
WIRING OPTIONS:
00 None

* = .050 hex key (#0-80 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

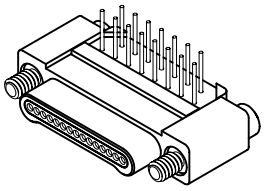
☒ = Option not RoHS compliant

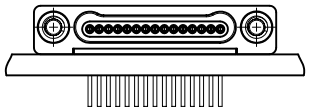
Recommended Flex Circuit Layout

Right Angle Flex Mount PTH Plug
FOR REFERENCE ONLY



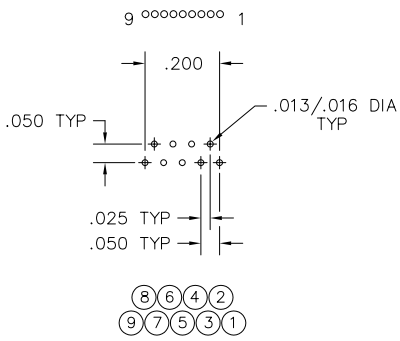
FLEX CIRCUIT LAYOUT
COMPONENT SIDE



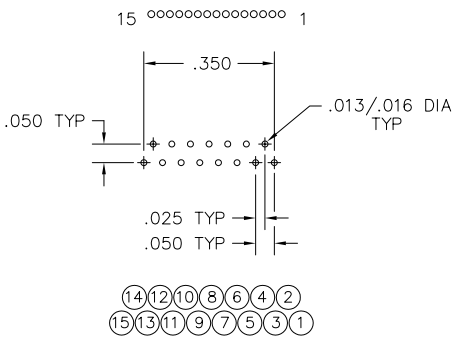


CONNECTOR MATING FACE

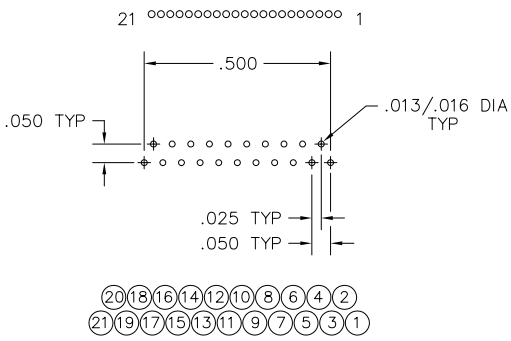
9 POSITION



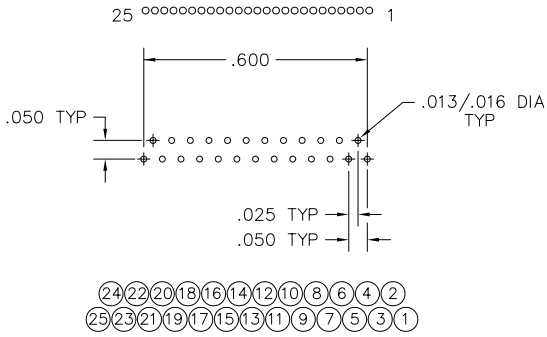
15 POSITION



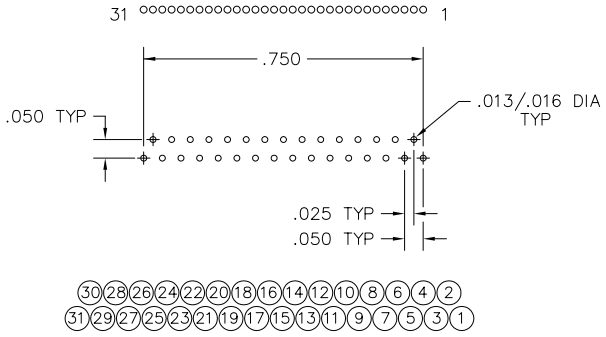
21 POSITION



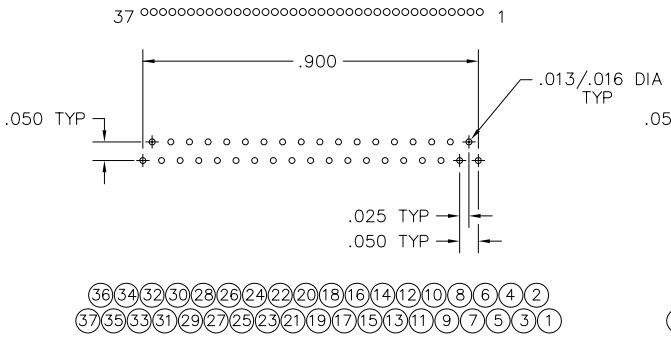
25 POSITION



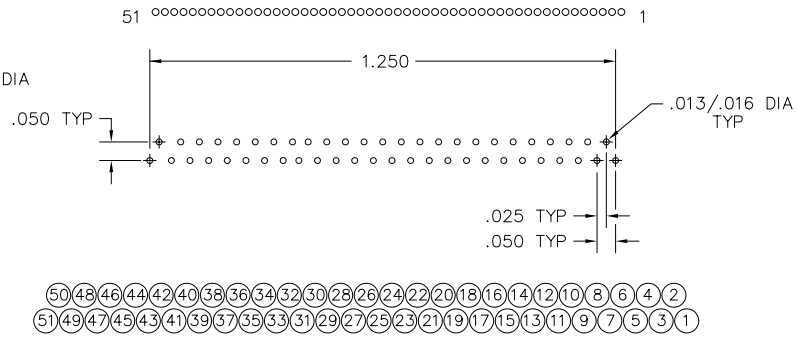
31 POSITION



37 POSITION



51 POSITION



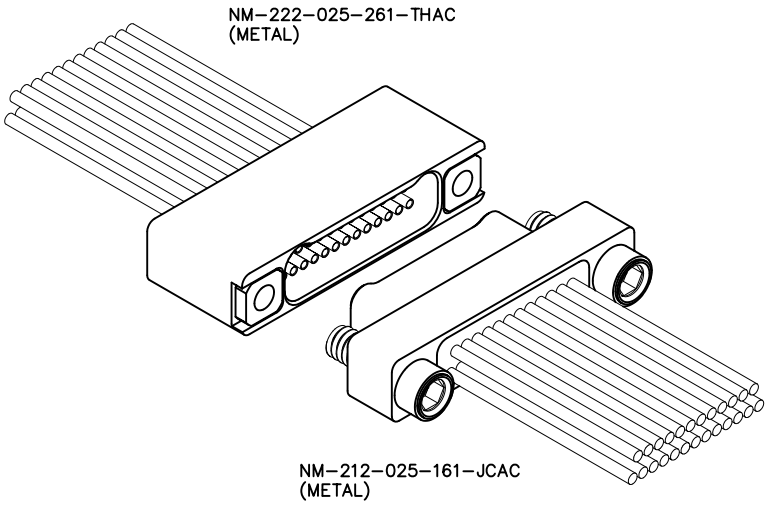
AirBorn

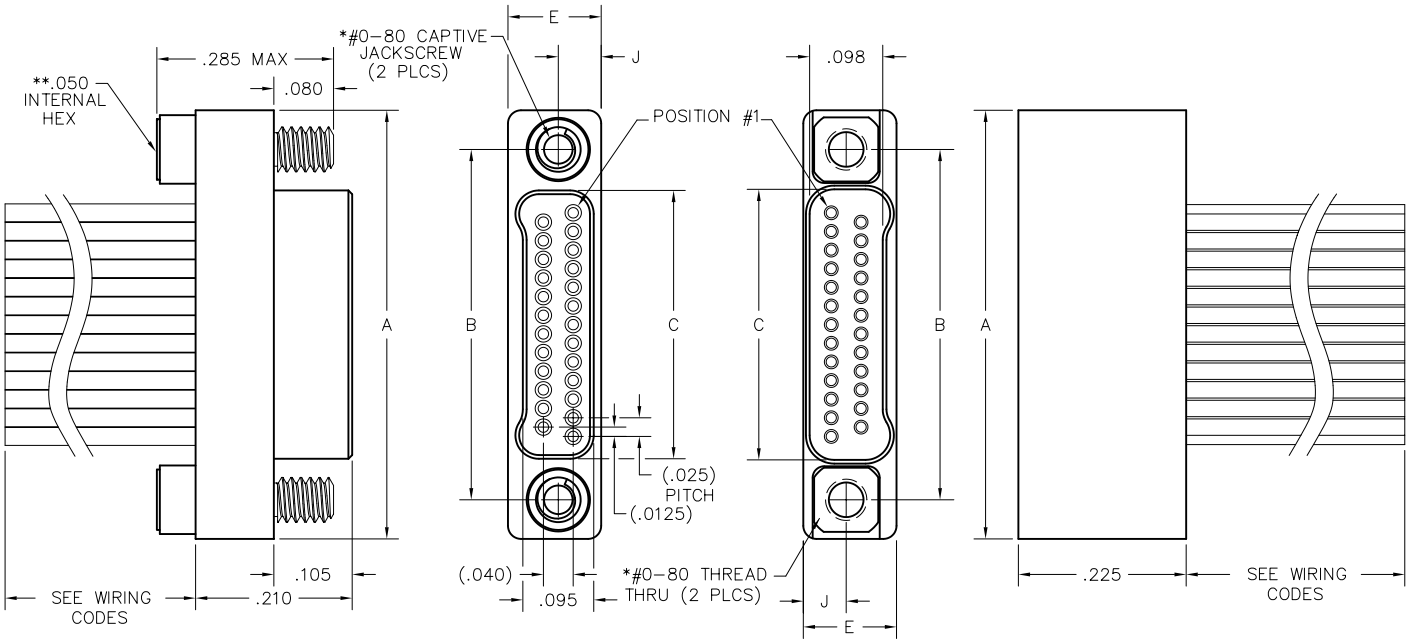
2 ◦ ROW
Cable to Cable

.025"

NM, NM

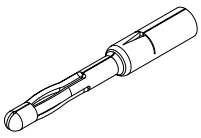
9 thru 91 Contacts





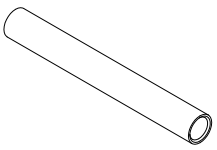
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS							
SIZE	A	B	C		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.160	.163	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.238			
21	.525	.420	.310	.313			
25	.575	.470	.360	.363			
31	.650	.545	.435	.438			
37	.725	.620	.510	.513			
51	.900	.795	.685	.688			
65	1.075	.970	.860	.863			
69	1.125	1.020	.910	.913			
85	1.377	1.246	1.110	1.113	.150	.0700	#2–56 THREAD
91	1.452	1.321	1.185	1.195			



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM–212–025–161–JCAC
RECEPTACLE: NM–222–025–261–THAC

XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	2	Receptacle, straight
5	Plug, straight, with factory installed backshell (See page NA-3)	6	Receptacle, straight, with factory installed backshell (See page NA-3)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
4	Liquid Crystal Polymer w/ stainless steel shell	4	Liquid Crystal Polymer w/ stainless steel shell
5	Liquid Crystal Polymer w/ titanium shell	5	Liquid Crystal Polymer w/ titanium shell
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, or 091)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF* (body material 2 and 3 only)
TH	Threaded hole**, #0-80 UNF* (body material 2 and 3 only)	TH	Threaded hole**, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

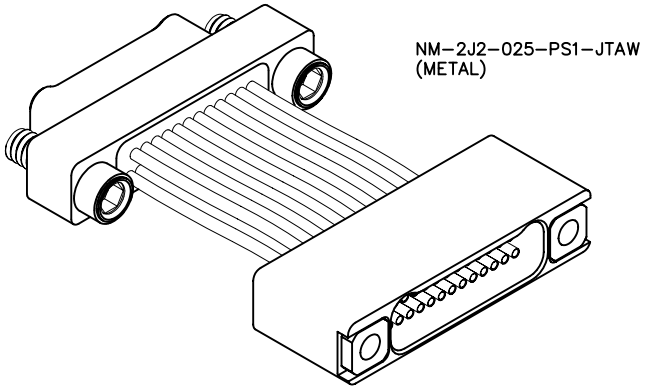
☒ = Option not RoHS compliant

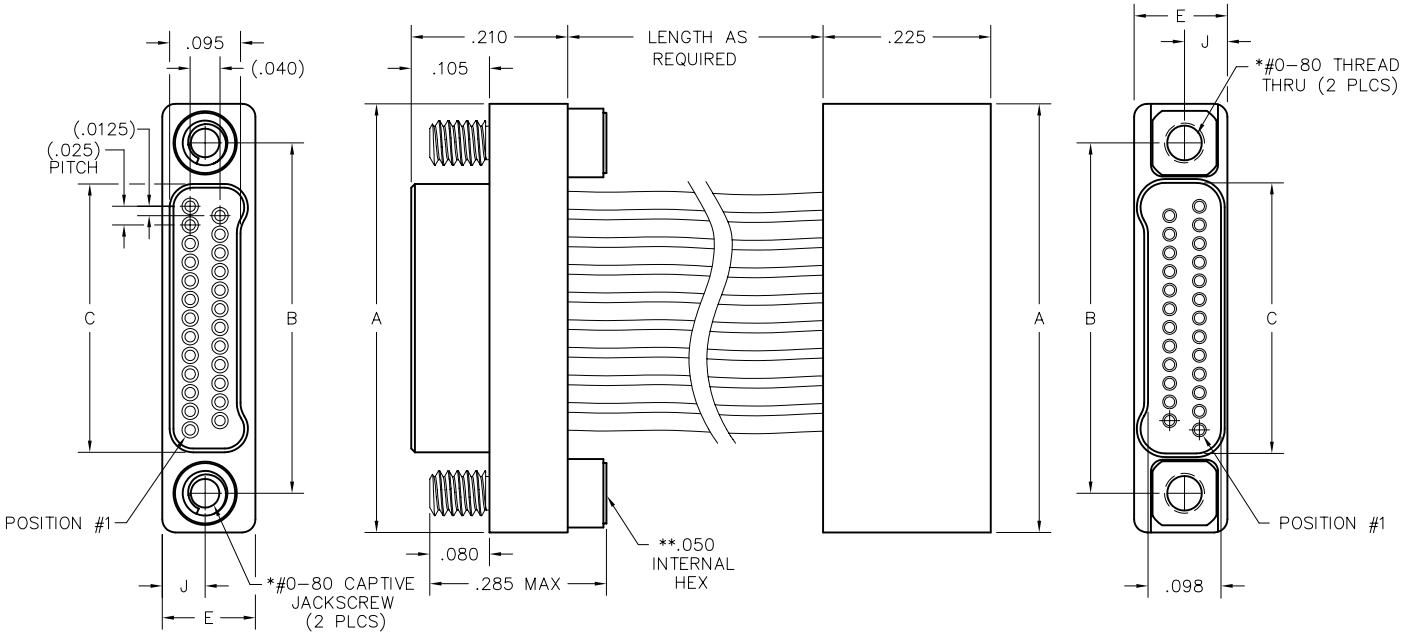
2 · ROW
Cable to Cable (Jumper Assembly)

.025"

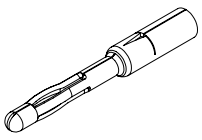
NM, NM

9 thru 85 Contacts



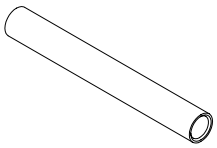


PLUG RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS							
SIZE	A	B	C		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.160	.163	.125	.0575	#0-80 THREAD
15	.450	.345	.235	.238			
21	.525	.420	.310	.313			
25	.575	.470	.360	.363			
31	.650	.545	.435	.438			
37	.725	.620	.510	.513			
51	.900	.795	.685	.688			
65	1.075	.970	.860	.863			
69	1.125	1.020	.910	.913			
85	1.377	1.246	1.110	1.113	.150	.0700	#2-56 THREAD



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

NM– 2J2– 025– PS1 –JTAW
XX–XXX–XXX–XXX–XXXX

SERIES

NM .025" Metal I/O Connector

BODY

2 2-Row

BODY STYLE:
J Jumper assembly

BODY MATERIAL:
2 Liquid Crystal Polymer with electroless nickel shell
3 Liquid Crystal Polymer with electrodeposited cadmium shell ☒
4 Liquid Crystal Polymer with stainless steel shell
5 Liquid Crystal Polymer with titanium shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
PP Plug to plug
PS Plug to receptacle
SS Receptacle to receptacle

PLATING OPTIONS:
1 50 µ" Au contacts

HARDWARE

STYLE OF HARDWARE:
00 None
JJ Four #0-80 UNF* turning jackscrews, captivated, two on each connector***
JT Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF* threaded holes** on receptacle
JP Two #0-80 UNF* turning jackscrews, captivated, on plug & two #0-80 UNF* threaded holes** on plug***
TJ Two #0-80 UNF* threaded holes** on plug & two #0-80 UNF* turning jackscrews, captivated, on receptacle***
JR Two #0-80 UNF* turning jackscrews, captivated, on receptacle & two #0-80 UNF* threaded holes** on receptacle***
TT Four #0-80 UNF* threaded holes**, two on each connector***

POLARIZATION / WIRING:
XX For wiring codes, see page NA-2

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

** = Threaded hole tapped directly into stainless steel and titanium shells, aluminum shells have stainless steel inserts (as shown on previous page).

*** = Body material 2 and 3 only

● Consult factory if jumpers require other than direct one to one connections.

☒ = Option not RoHS compliant

AirBorn

2 · ROW

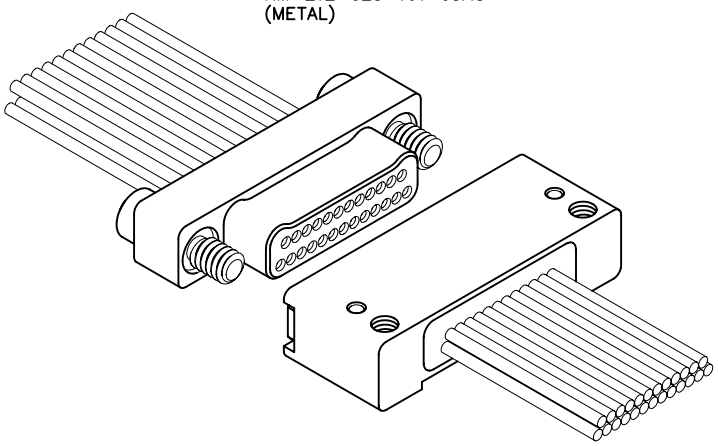
Cable to Cable

.025"

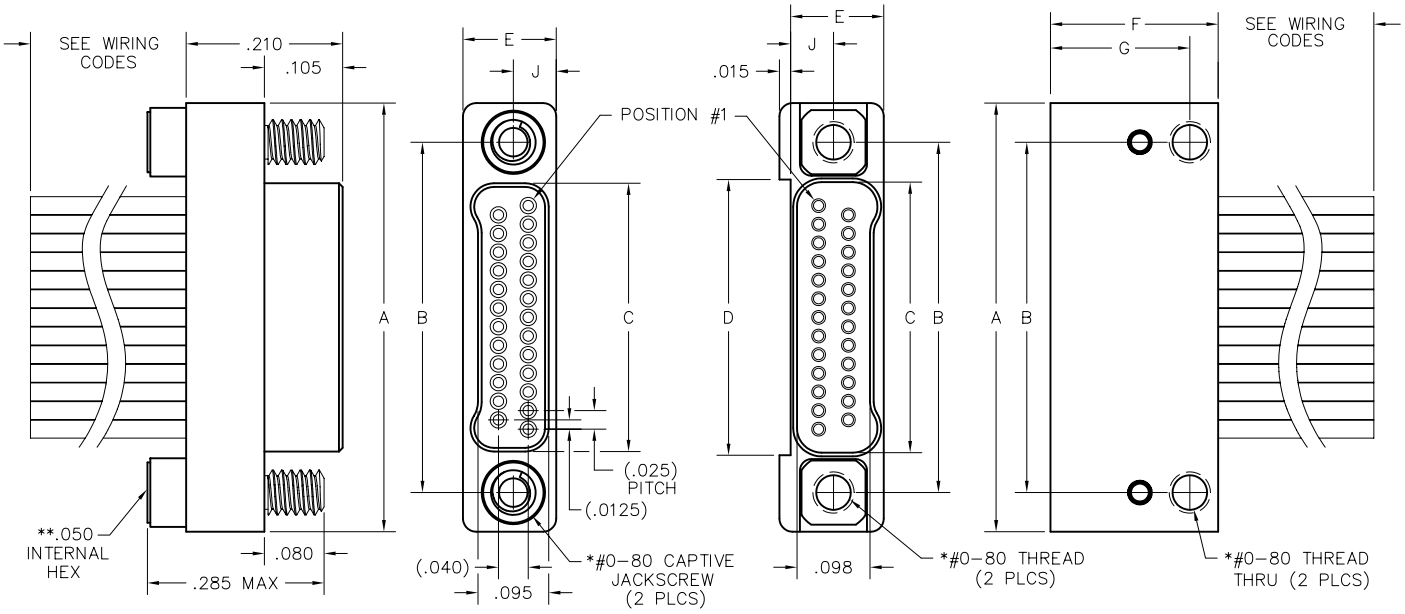
NM, NM

9 thru 85 Contacts

NM–212–025–161–JCAC
(METAL)



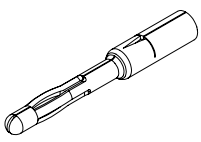
NM–242–025–261–THAC
(METAL)



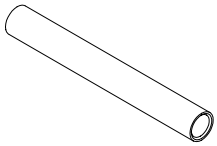
PLUG

RECEPTACLE

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.225	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM–212–025–161–JCAC
RECEPTACLE: NM–242–025–261–THAC
XX–XXX–XXX–XXX–XXXX

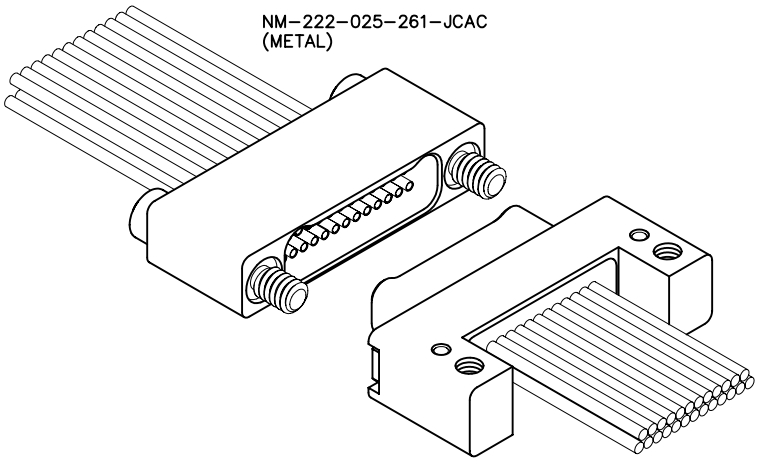
PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	4	Receptacle, straight with mounting holes
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

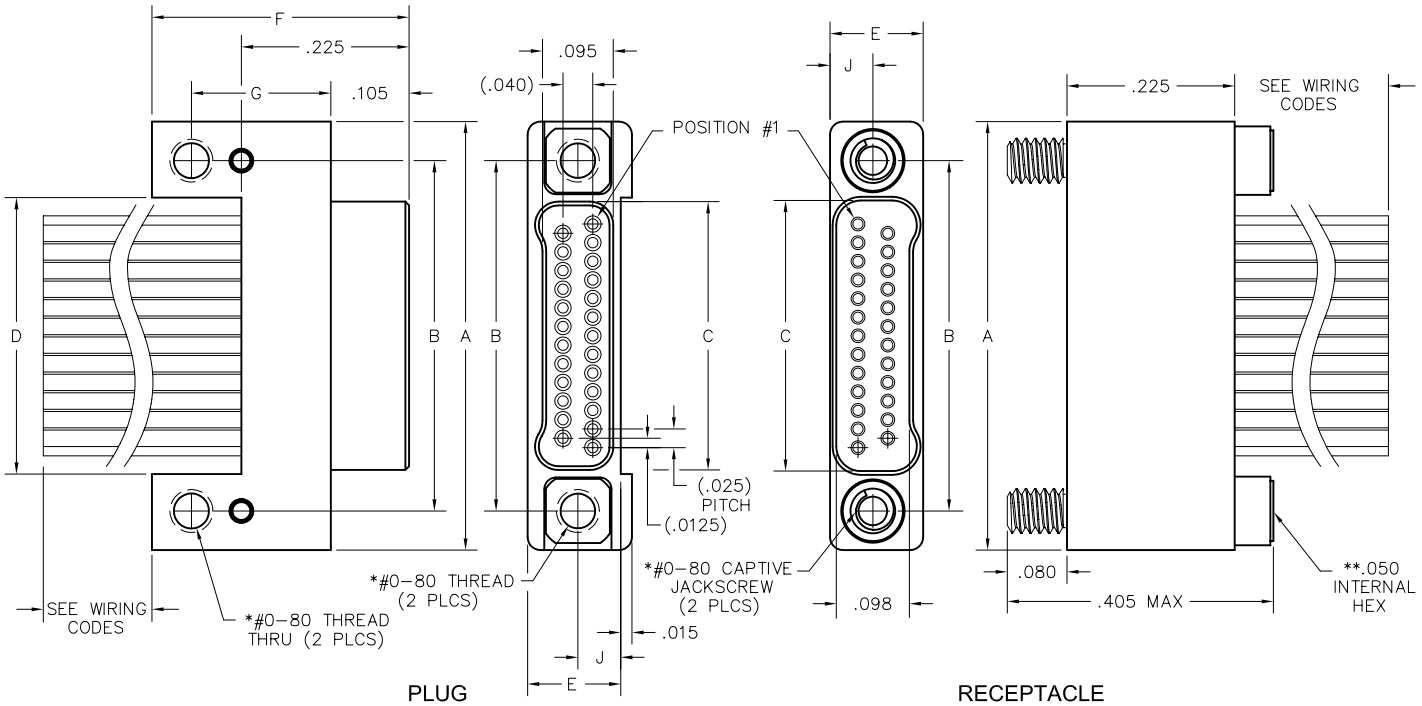
* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

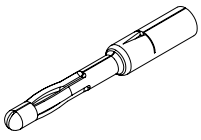
☒ = Option not ROHS compliant

Ask About AirBorn's Accelerated Delivery Service

2 · ROW
Cable to Cable
.025"
NM, NM
9 thru 85 Contacts

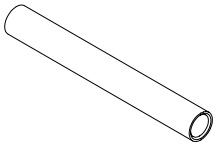






PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.345	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.375	.205	.0700	#2–56 THREAD



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM–232–025–161–THAC
RECEPTACLE: NM–222–025–261–JCAC
XX–XXX–XXX–XXX–XXXX

	PLUG		RECEPTACLE
SERIES			
NM	.025" Metal I/O Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
3	Plug, straight with mounting holes	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
TH	Threaded hole, #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not ROHS compliant

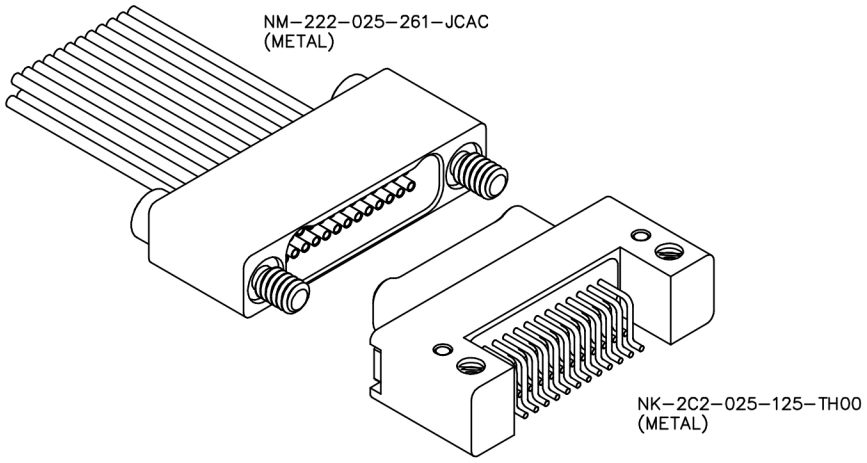
Ask About AirBorn's Accelerated Delivery Service

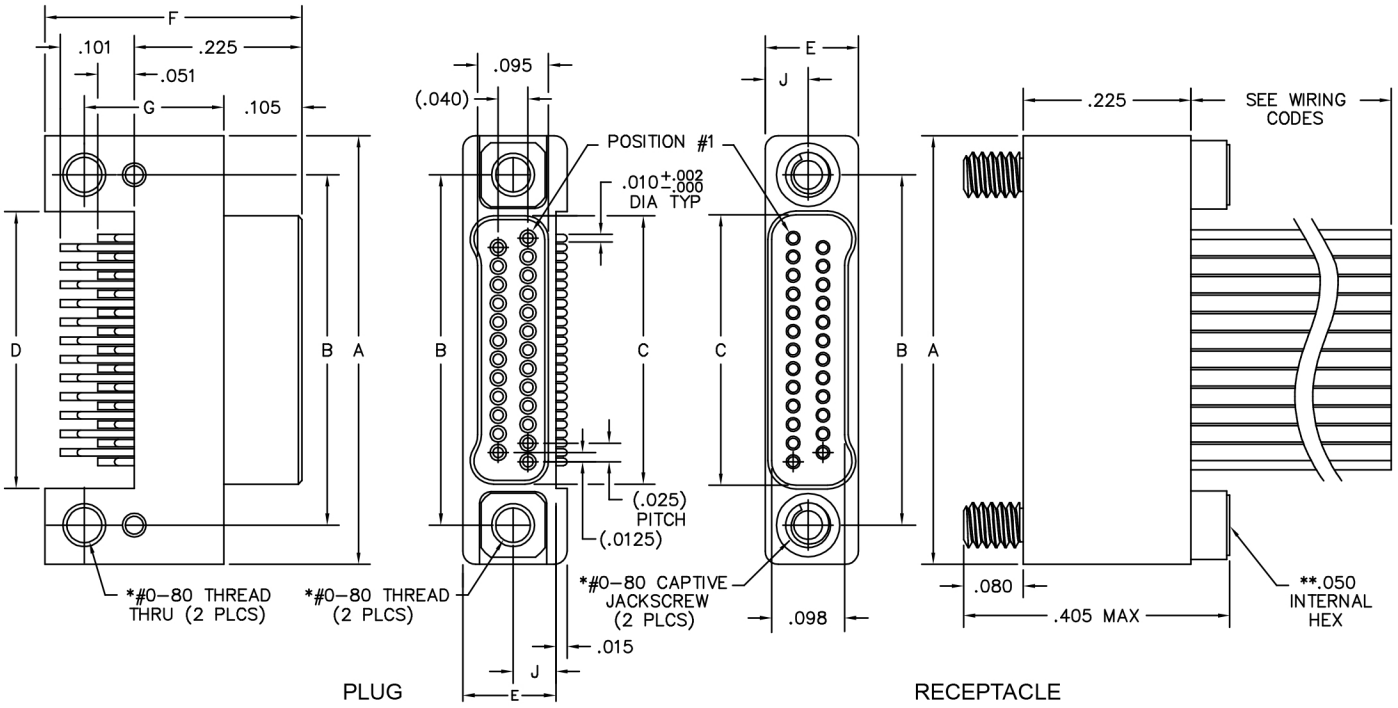
2 · ROW
Cable to Board
Horizontal SMT

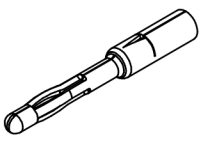
.025"

NM, NK

9 thru 91 Contacts

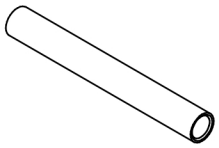






PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.345	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.375	.205	.0700	#2–56 THREAD
91	1.452	1.321	1.185	1.188	1.195					



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NK–2C2–025–125–TH00
RECEPTACLE: NM–222–025–261–JCAC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
C	Plug, horizontal mount SMT	2	Receptacle, straight
		6	Receptacle, straight, with factory installed backshell (See page NA-3)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, SMT	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

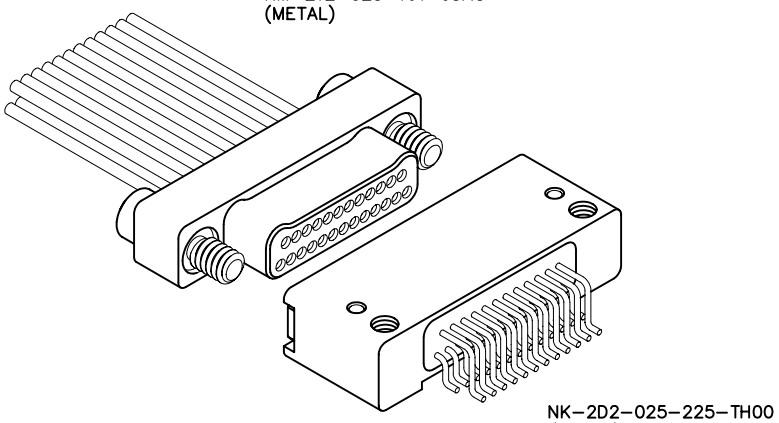
AirBorn

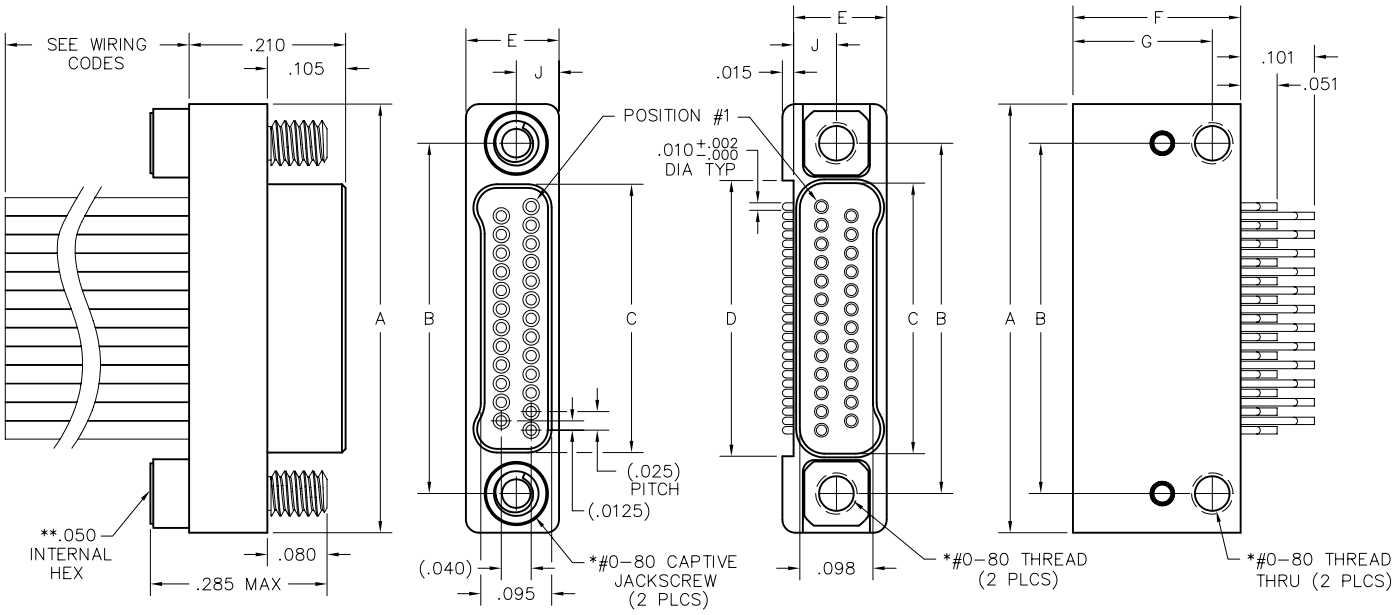
2 · ROW
Cable to Board
Horizontal SMT

.025"

NM, NK

9 thru 85 Contacts

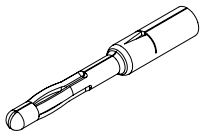




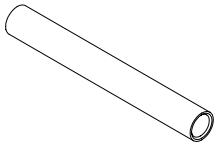
PLUG

RECEPTACLE

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.225	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM–212–025–161–JCAC
RECEPTACLE: NK–2D2–025–225–TH00
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	D	Receptacle, horizontal mount SMT
5	Plug, straight, with factory installed backshell (See page NA-3)		
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	22	Socket, SMT
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

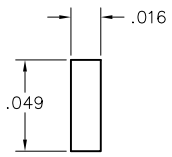
☒ = Option not RoHS compliant

Recommended PC Board Layout

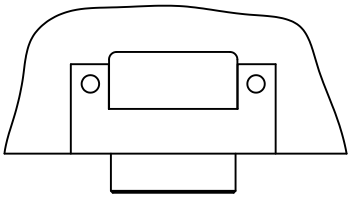
Horizontal SMT Plug

FOR REFERENCE ONLY

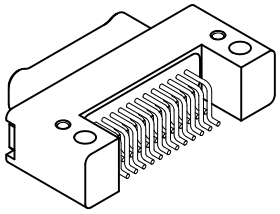
No solder mask allowed within connector outline

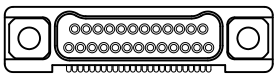


FOOTPRINT / PAD CONFIGURATION



PC BOARD LAYOUT COMPONENT SIDE

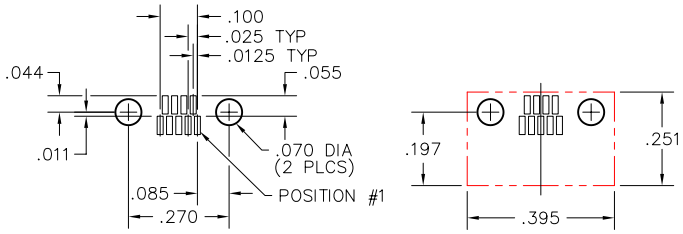




CONNECTOR MATING FACE

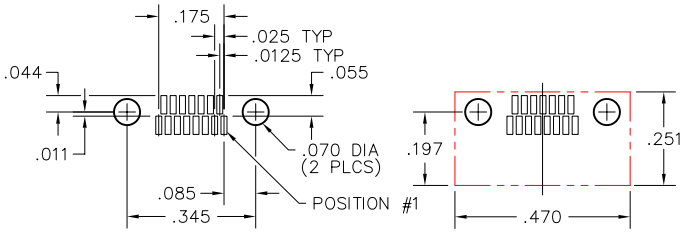
9 POSITION

9 ○○○○ 6
5 ○○○○○ 1



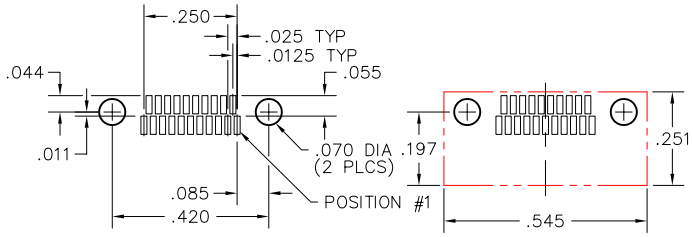
15 POSITION

15 ○○○○○○○ 9
8 ○○○○○○○○ 1



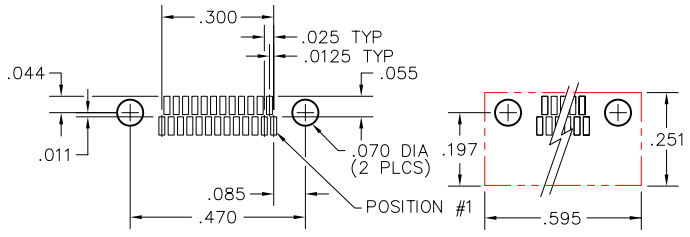
21 POSITION

21 ○○○○○○○○○○ 12
11 ○○○○○○○○○○○ 1



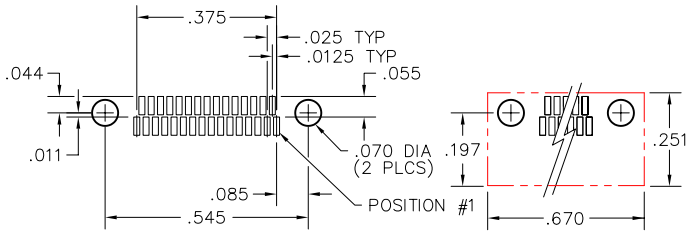
25 POSITION

25 ○○○○○○○○○○○○ 14
13 ○○○○○○○○○○○○○ 1



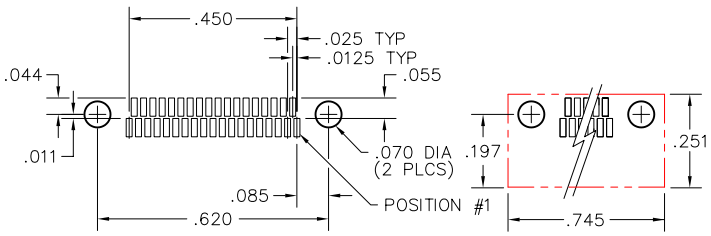
31 POSITION

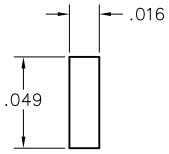
31 ○○○○○○○○○○○○○○○ 17
16 ○○○○○○○○○○○○○○○○ 1



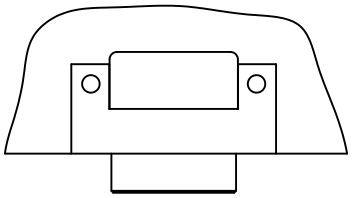
37 POSITION

37 ○○○○○○○○○○○○○○○○○ 20
19 ○○○○○○○○○○○○○○○○○○ 1

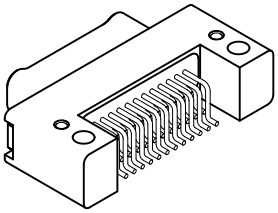


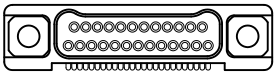


FOOTPRINT / PAD CONFIGURATION



PC BOARD LAYOUT COMPONENT SIDE





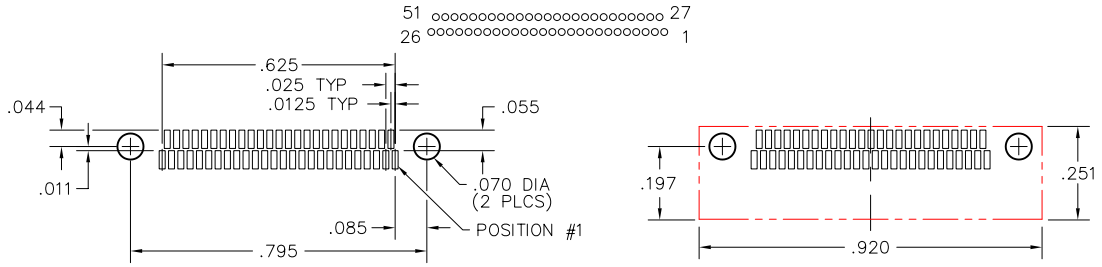
CONNECTOR MATING FACE

Recommended PC Board Layout

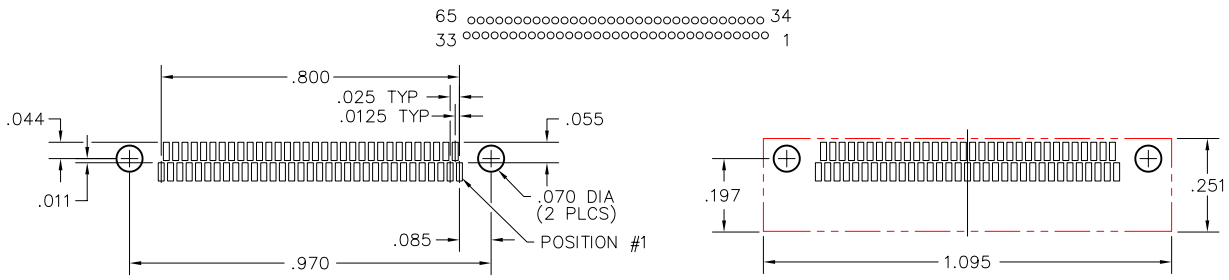
Horizontal SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

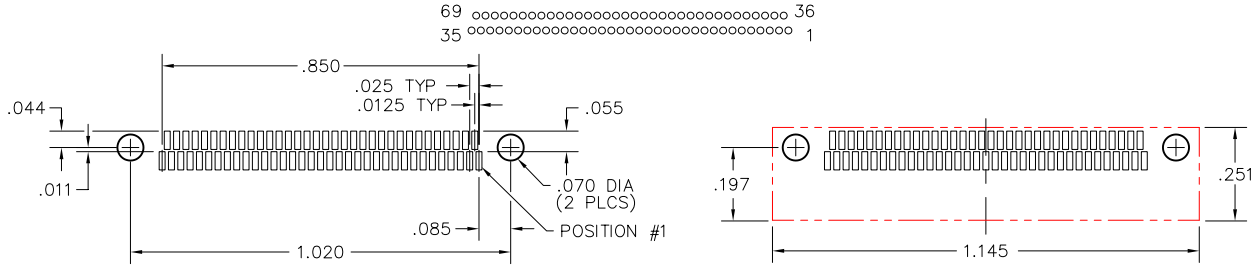
51 POSITION



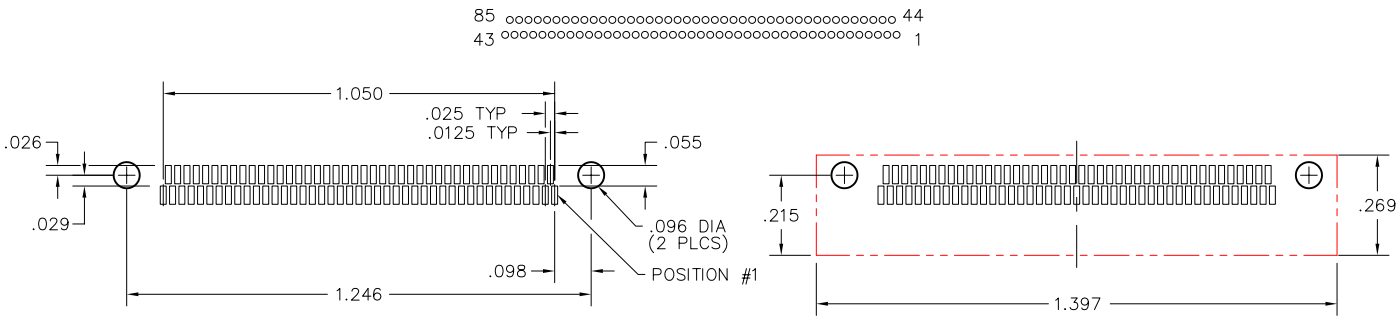
65 POSITION



69 POSITION



85 POSITION

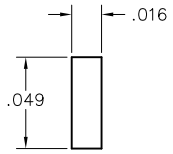


Ask About AirBorn's Accelerated Delivery Service

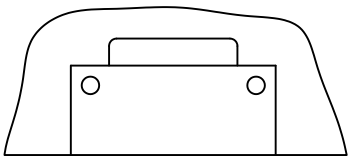
Recommended PC Board Layout

Horizontal SMT Receptacle
FOR REFERENCE ONLY

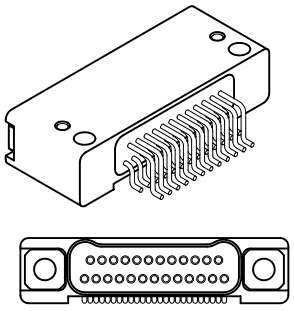
No solder mask allowed within connector outline



FOOTPRINT / PAD CONFIGURATION

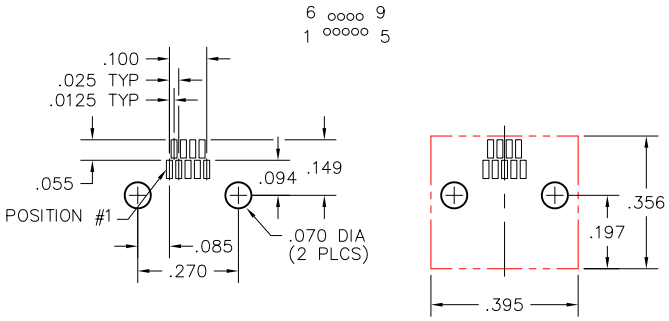


PC BOARD LAYOUT COMPONENT SIDE

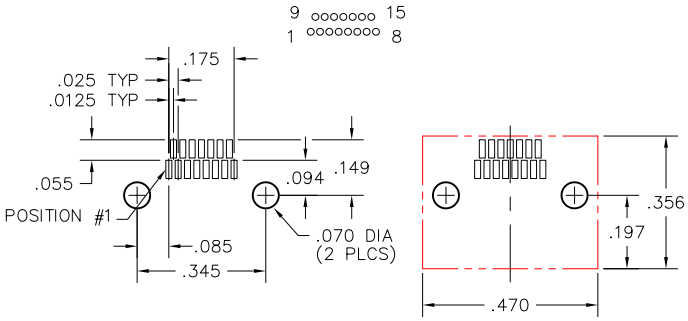


CONNECTOR MATING FACE

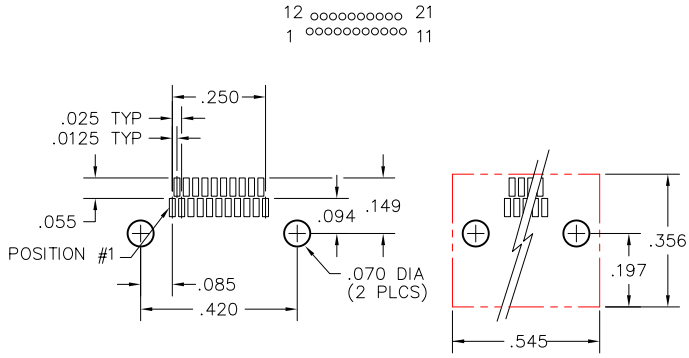
9 POSITION



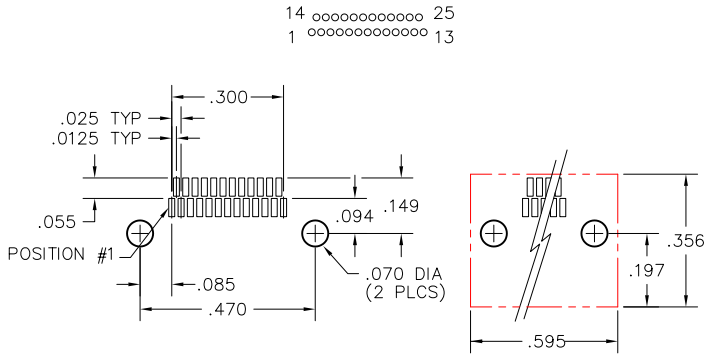
15 POSITION



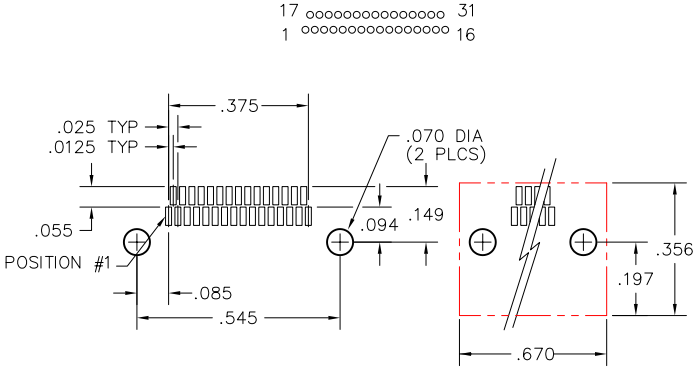
21 POSITION



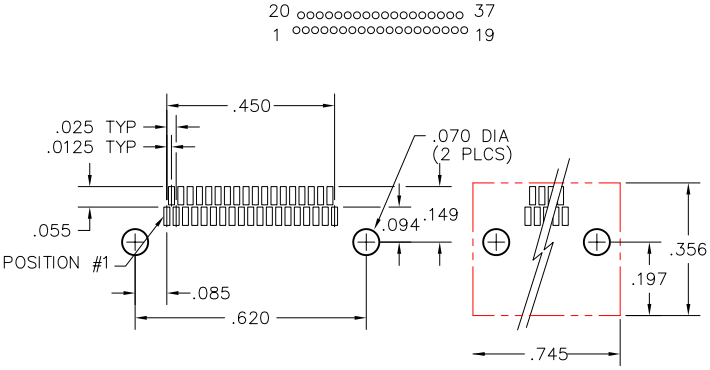
25 POSITION



31 POSITION



37 POSITION

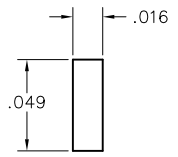


Recommended PC Board Layout

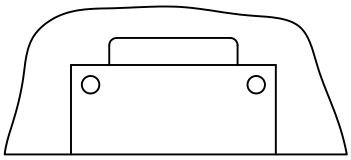
Horizontal SMT Receptacle

FOR REFERENCE ONLY

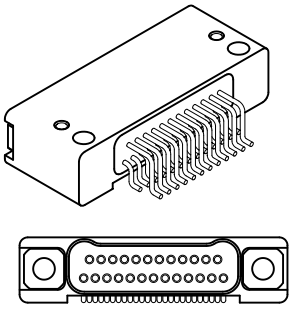
No solder mask allowed within connector outline



FOOTPRINT / PAD CONFIGURATION

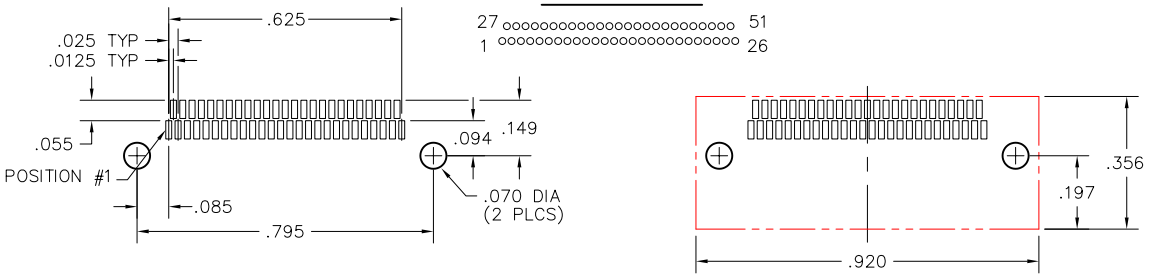


PC BOARD LAYOUT COMPONENT SIDE

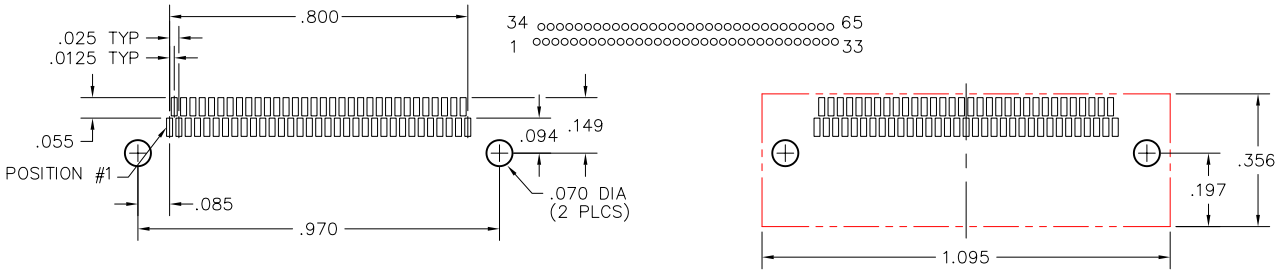


CONNECTOR MATING FACE

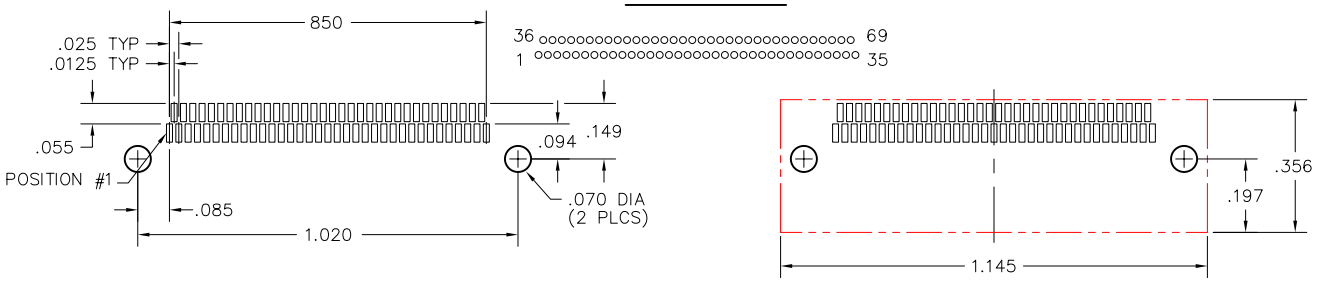
51 POSITION



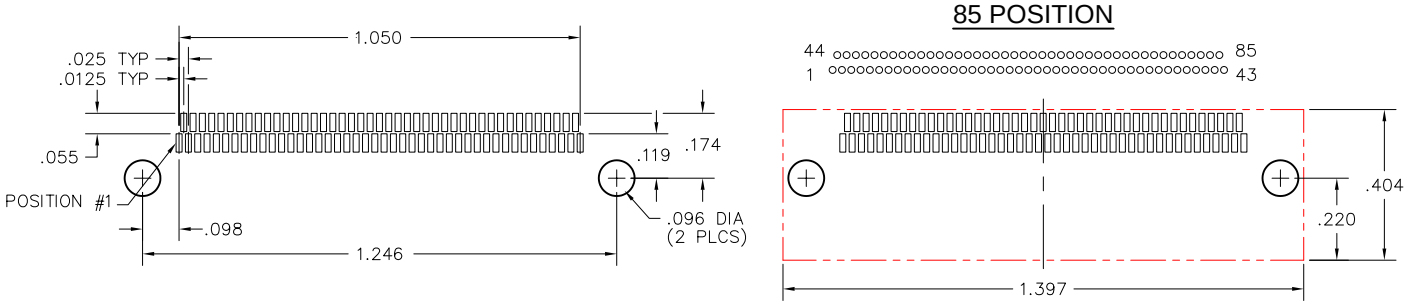
65 POSITION



69 POSITION



85 POSITION



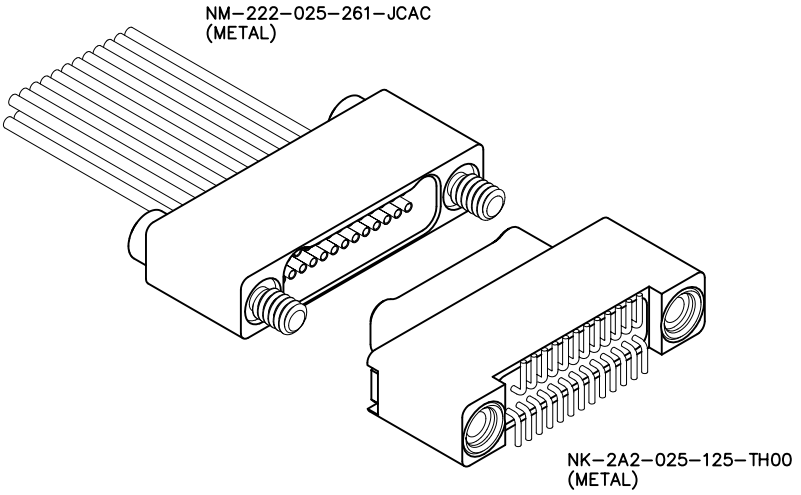
Ask About AirBorn's Accelerated Delivery Service

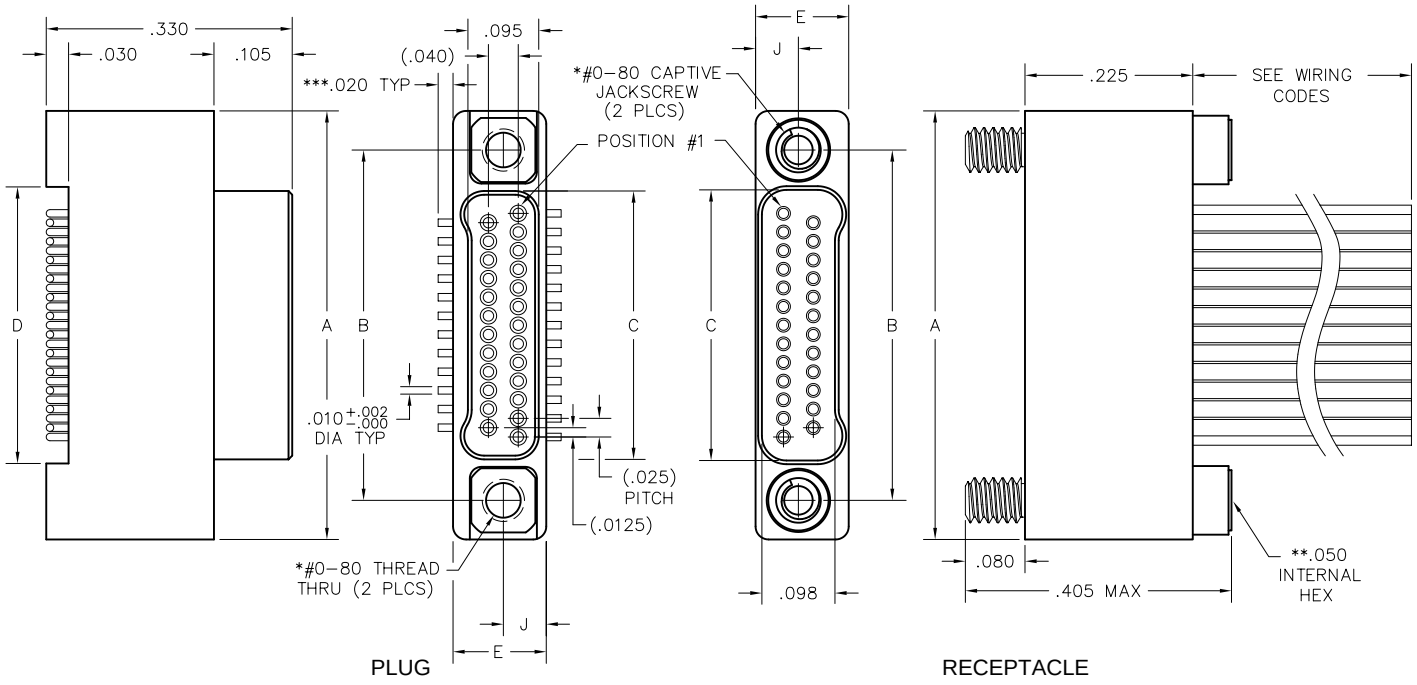
2 ROW
Cable to Board
Vertical SMT

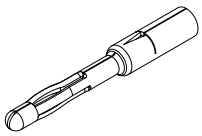
.025"

NM, NK

9 thru 91 Contacts

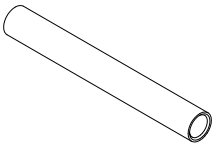






PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS								
SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445			
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920			
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	#2–56 THREAD
91	1.457	1.321	1.185	1.188	1.195			



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = DIMENSION CHANGES TO .040" FOR "010" OPTION. SEE PAGE N–48.

PLUG: NK–2A2–025–125–TH00
RECEPTACLE: NM–222–025–261–JCAC
XX–XXX–XXX–XXX–XXXX–XXX

PLUG	RECEPTACLE
SERIES	
NK .025" Metal PC Board Mounted Connector	NM .025" Metal I/O Connector
BODY	
2 2-Row	2 2-Row
BODY STYLE: A Plug, vertical mount SMT	BODY STYLE: 2 Receptacle, straight 6 Receptacle, straight, with factory installed backshell (See page NA-3)
BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE	
XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)
CONTACTS	
TYPE CONTACTS/TERMINATIONS: 12 Pin, SMT (.020 lead envelope)	TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire
PLATING OPTIONS: 5 50 u" Au contacts; Sn/Pb alloy terminations ☒ 8 50 u" Au contacts; Tin plated terminations	PLATING OPTIONS: 1 50 u" Au contacts
HARDWARE	
STYLE OF HARDWARE: 00 None TH Threaded hole, #0-80 UNF*	STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF*
WIRING OPTIONS: 00 None	WIRING OPTIONS: XX See wiring codes, Page NA-2
OPTIONS	
010 .040 lead envelope	

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

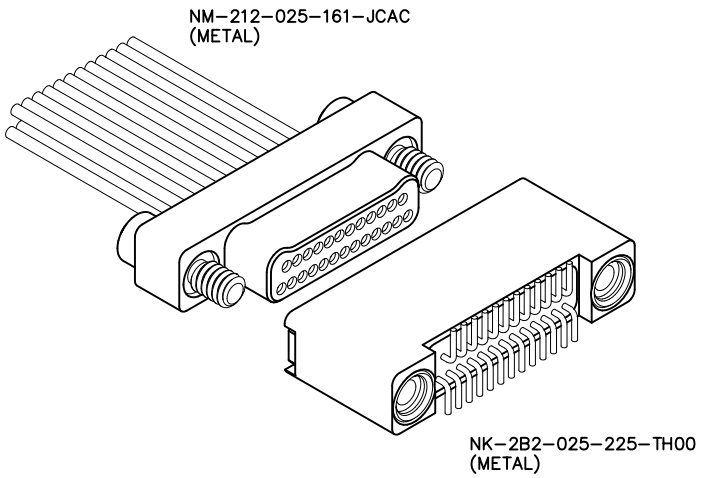
☒ = Option not RoHS compliant

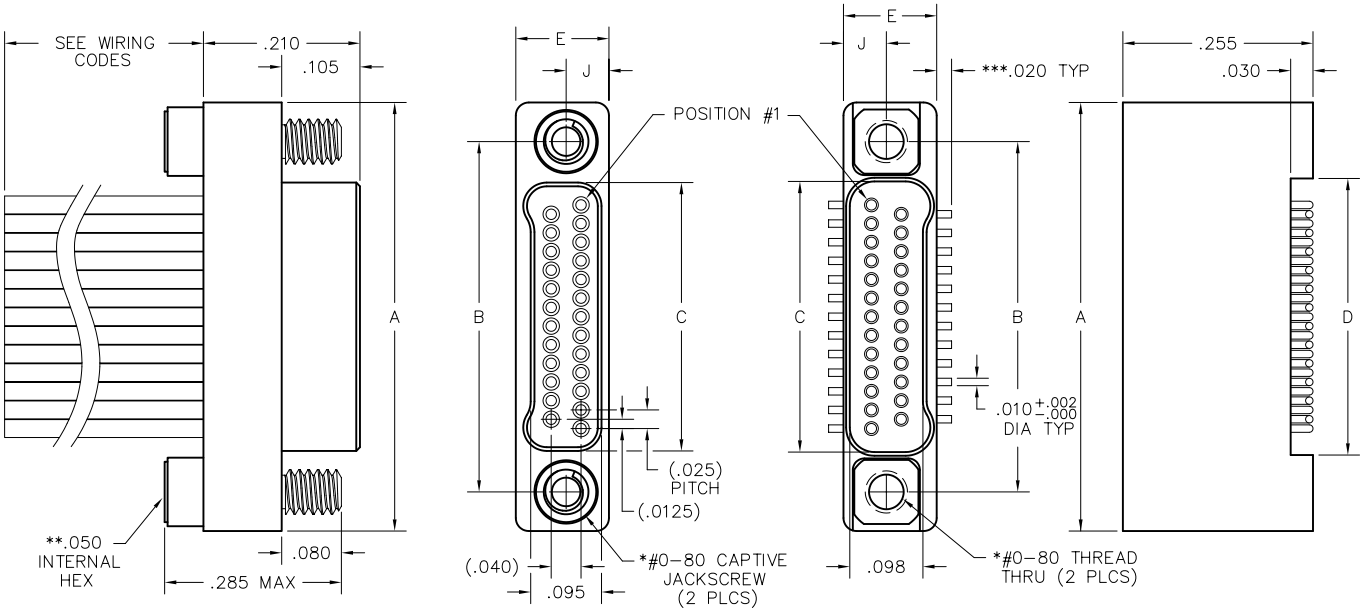
2 ◦ ROW
Cable to Board
Vertical SMT

.025"

NM, NK

9 thru 91 Contacts

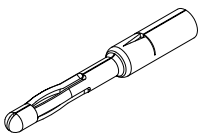




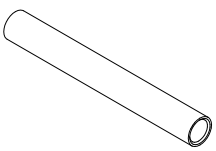
PLUG

RECEPTACLE

DIMENSIONS								
SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445			
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920			
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	#2–56 THREAD
91	1.457	1.321	1.185	1.188	1.195			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = DIMENSION CHANGES TO .040" FOR "010" OPTION. SEE PAGE N–50.

PLUG: NM–212–025–161–JCAC
RECEPTACLE: NK–2B2–025–225–TH00
XX–XXX–XXX–XXX–XXXX–XXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	B	Receptacle, vertical mount SMT
5	Plug, straight, with factory installed backshell (See page NA-3)		
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	22	Socket, SMT (.020 lead envelope)
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None
OPTIONS			
		010	.040 lead envelope

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

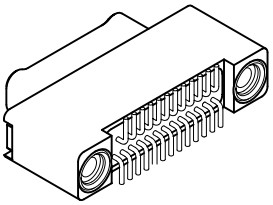
☒ = Option not RoHS compliant

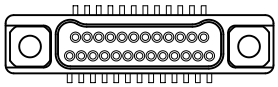
AirBorn

Recommended PC Board Layout

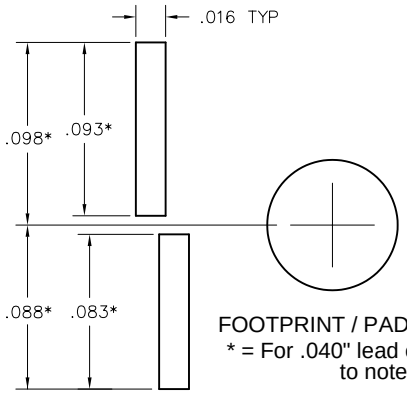
Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline





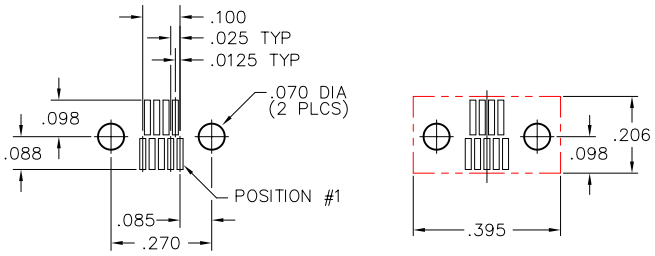
CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

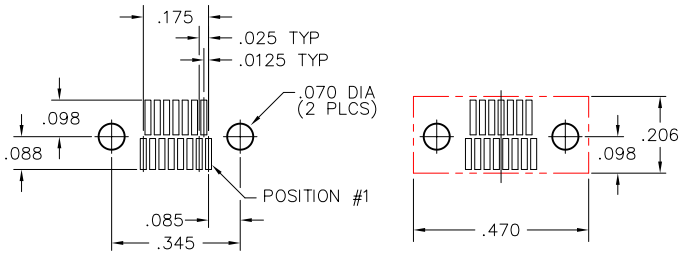
9 POSITION

9 ○○○○○ 6
5 ○○○○○ 1



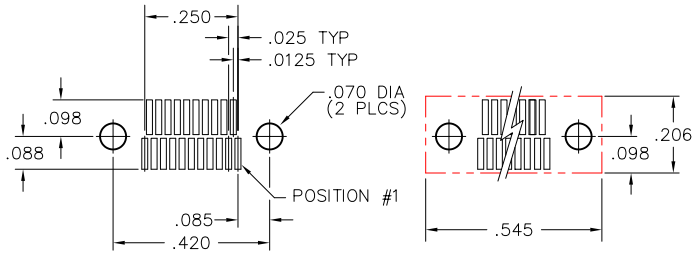
15 POSITION

15 ○○○○○○○ 9
8 ○○○○○○○○ 1



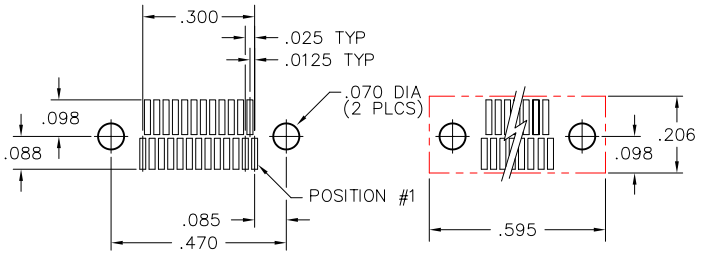
21 POSITION

21 ○○○○○○○○○○ 12
11 ○○○○○○○○○○○ 1



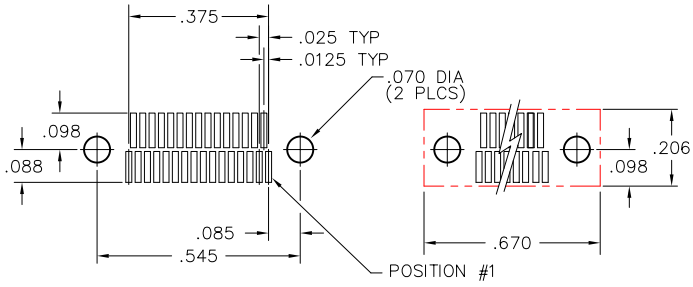
25 POSITION

25 ○○○○○○○○○○○○ 14
13 ○○○○○○○○○○○○○ 1



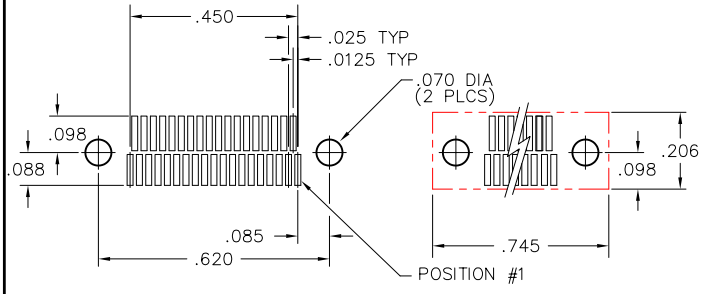
31 POSITION

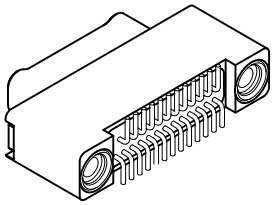
31 ○○○○○○○○○○○○○○○ 17
16 ○○○○○○○○○○○○○○○ 1



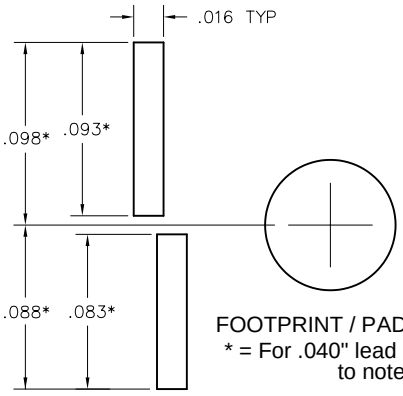
37 POSITION

37 ○○○○○○○○○○○○○○○○○ 20
19 ○○○○○○○○○○○○○○○○○ 1





CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

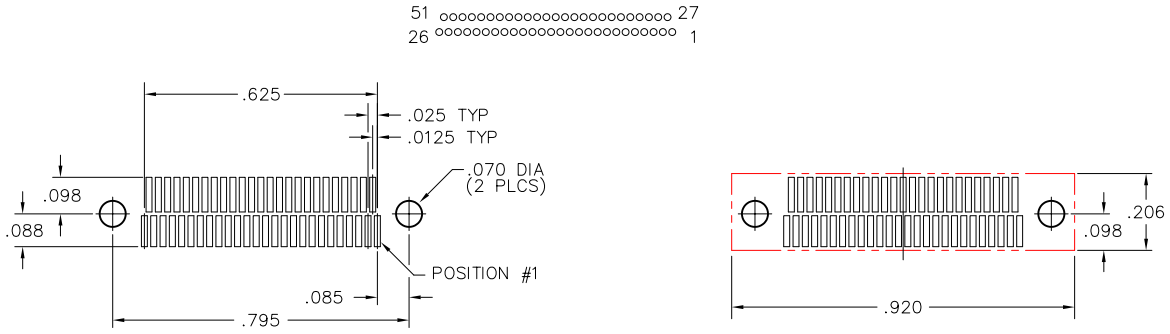
AirBorn

Recommended PC Board Layout

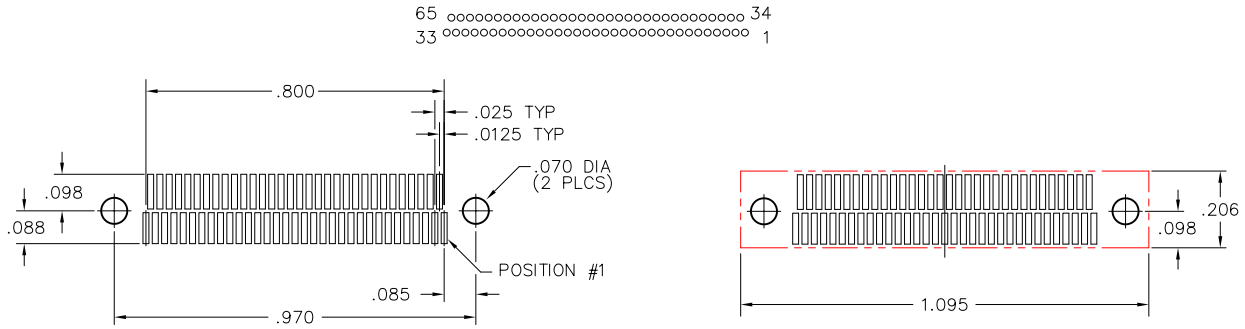
Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

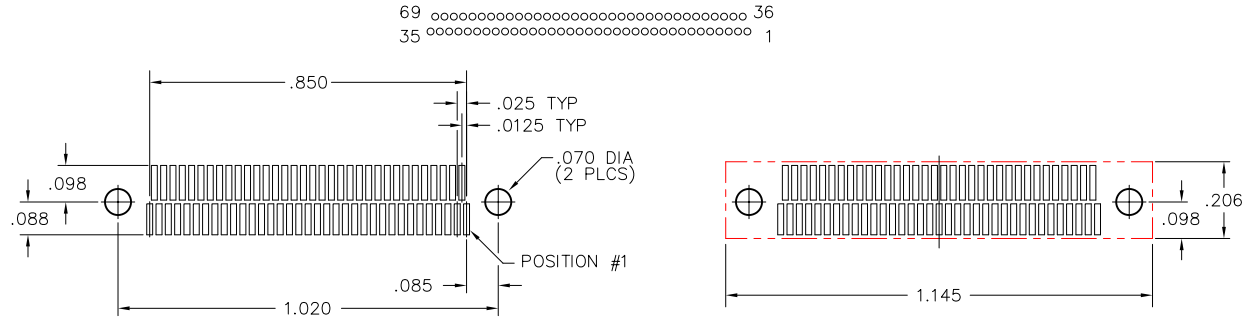
51 POSITION



65 POSITION



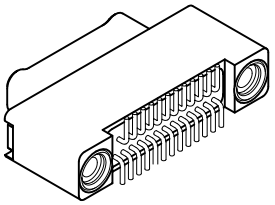
69 POSITION

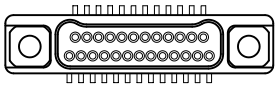


Recommended PC Board Layout

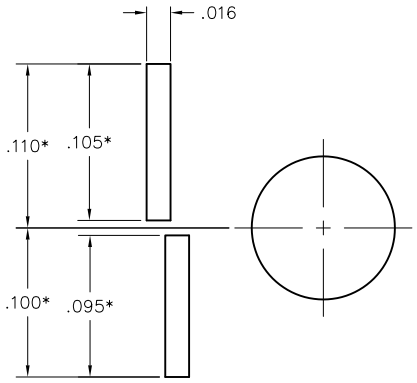
Vertical SMT Plug
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline



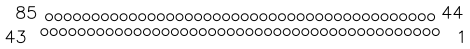


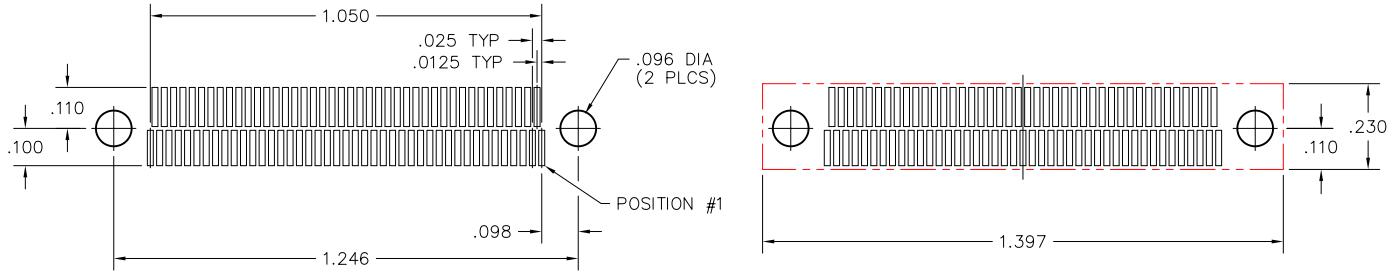
CONNECTOR MATING FACE



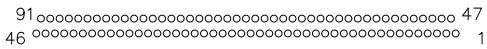
FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

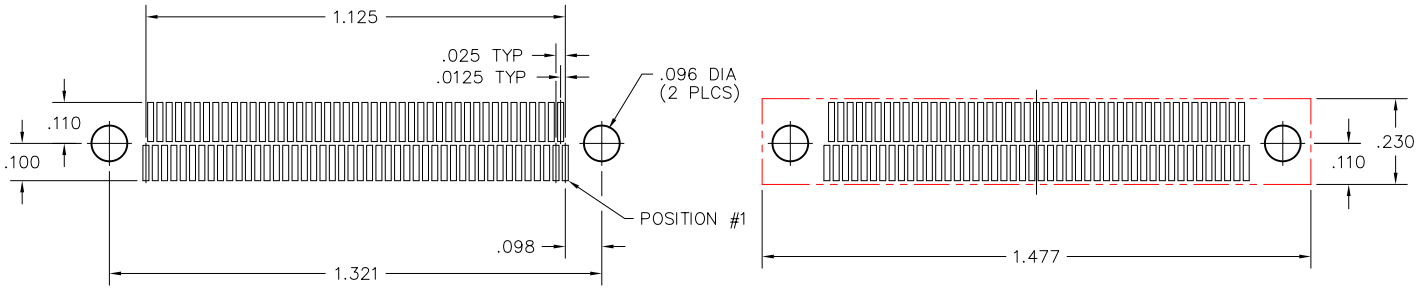
85 POSITION





91 POSITION

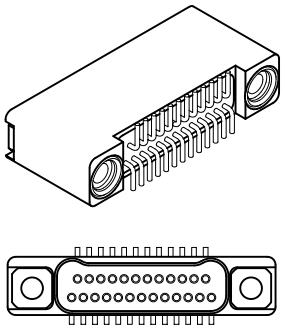




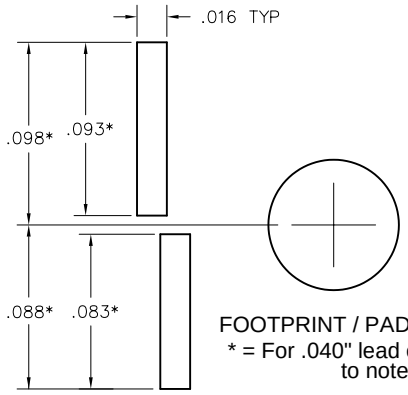
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

CONNECTOR MATING FACE

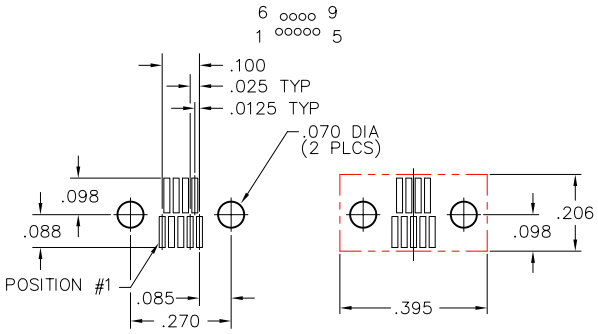


No solder mask allowed within connector outline

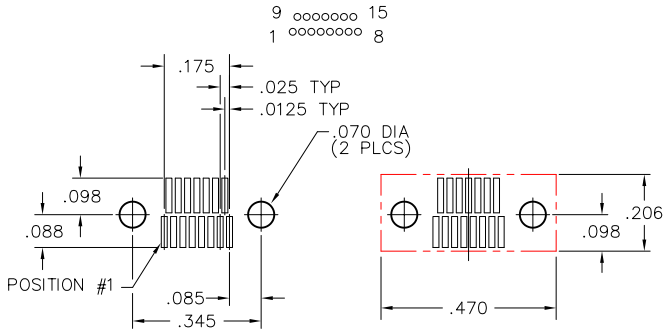


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

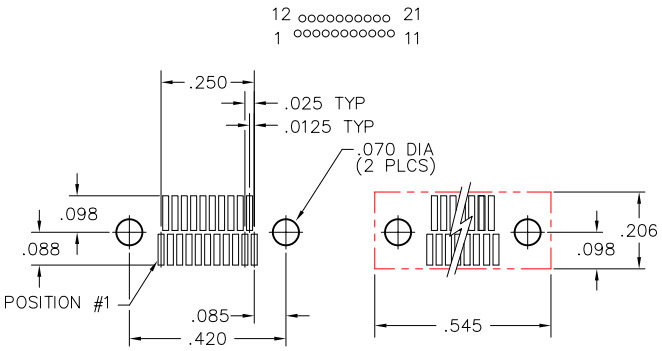
9 POSITION



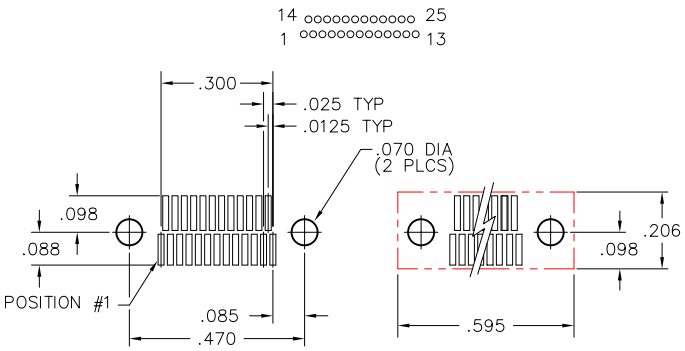
15 POSITION



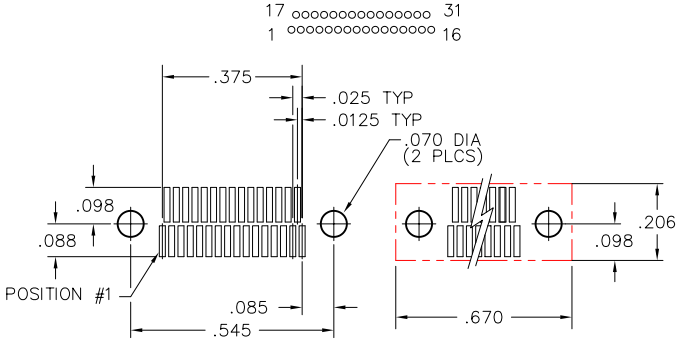
21 POSITION



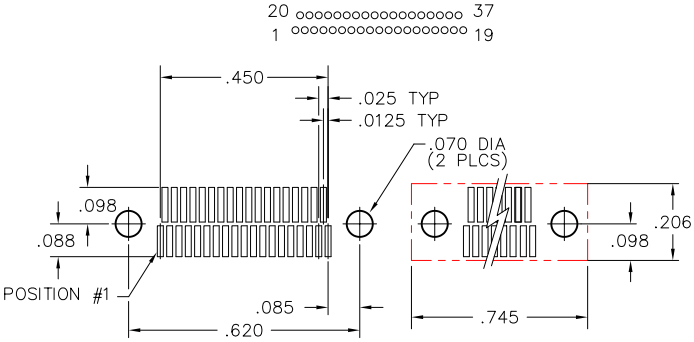
25 POSITION

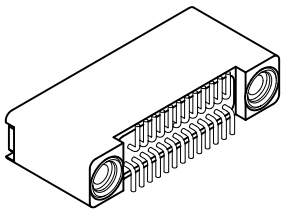


31 POSITION

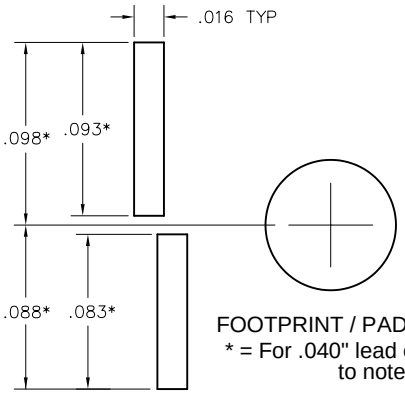


37 POSITION





CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

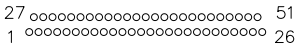
AirBorn

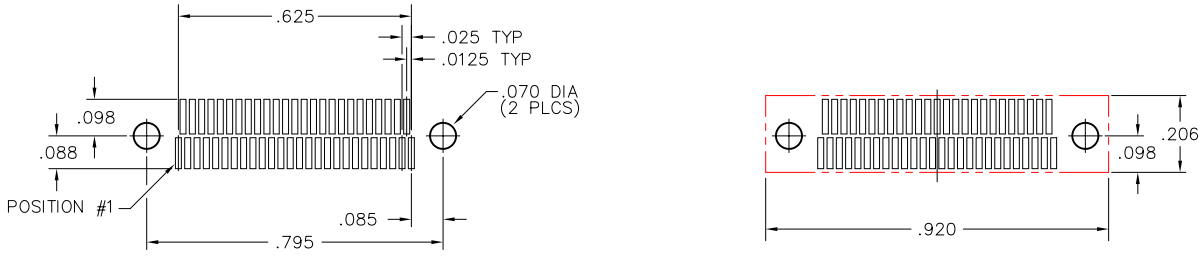
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

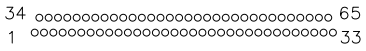
No solder mask allowed within connector outline

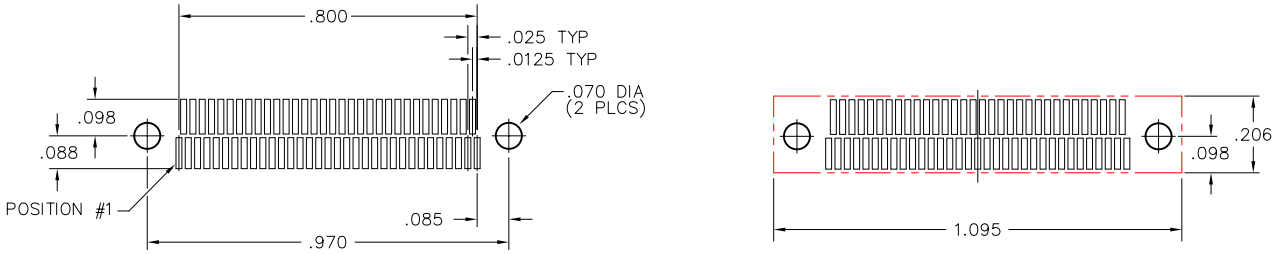
51 POSITION



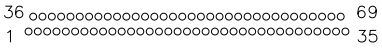


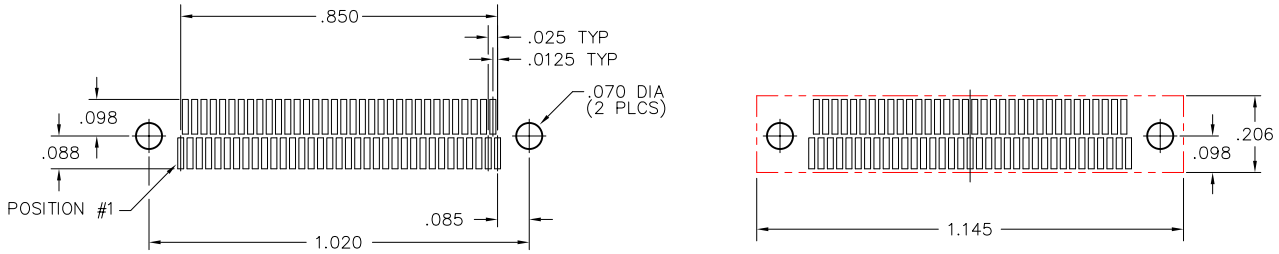
65 POSITION





69 POSITION

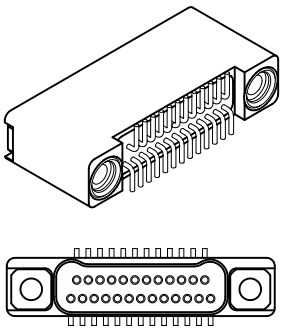




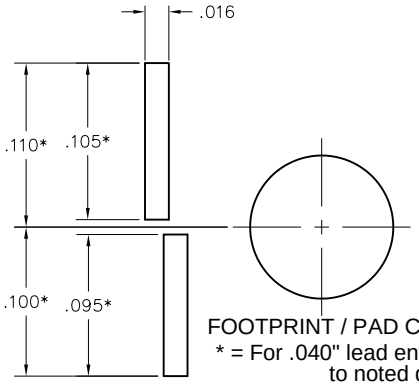
Recommended PC Board Layout

Vertical SMT Receptacle
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

CONNECTOR MATING FACE

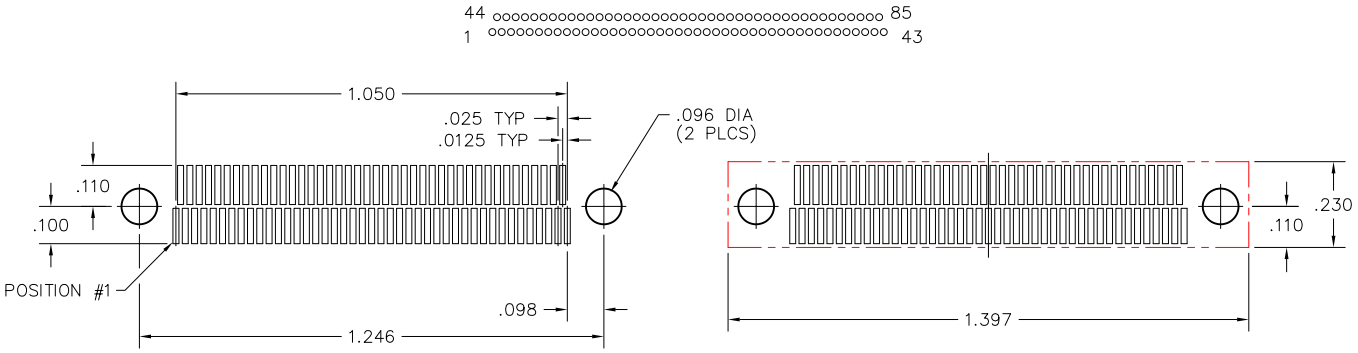


CONNECTOR MATING FACE

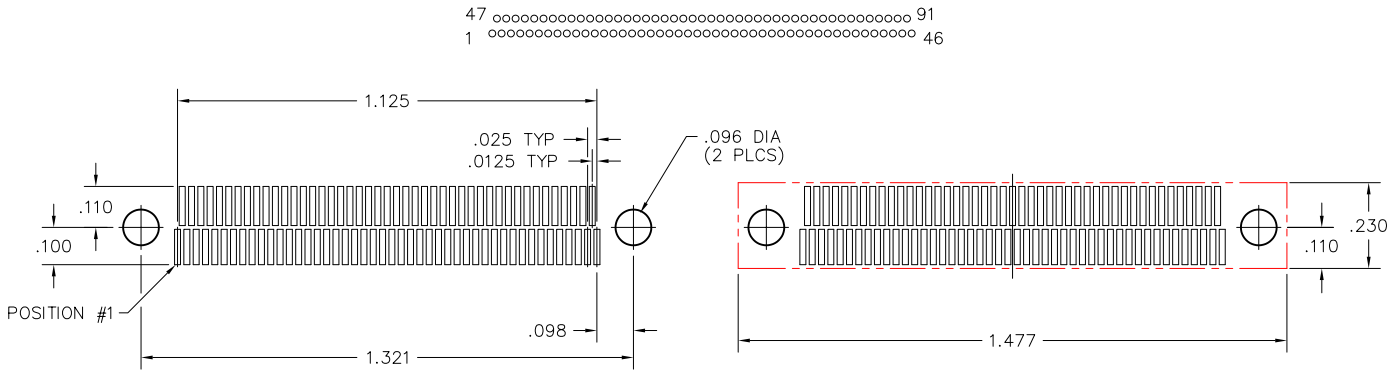


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

85 POSITION



91 POSITION

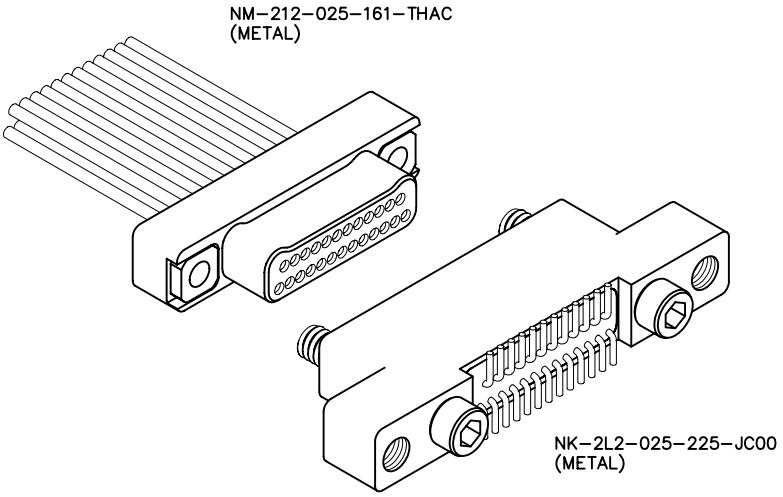


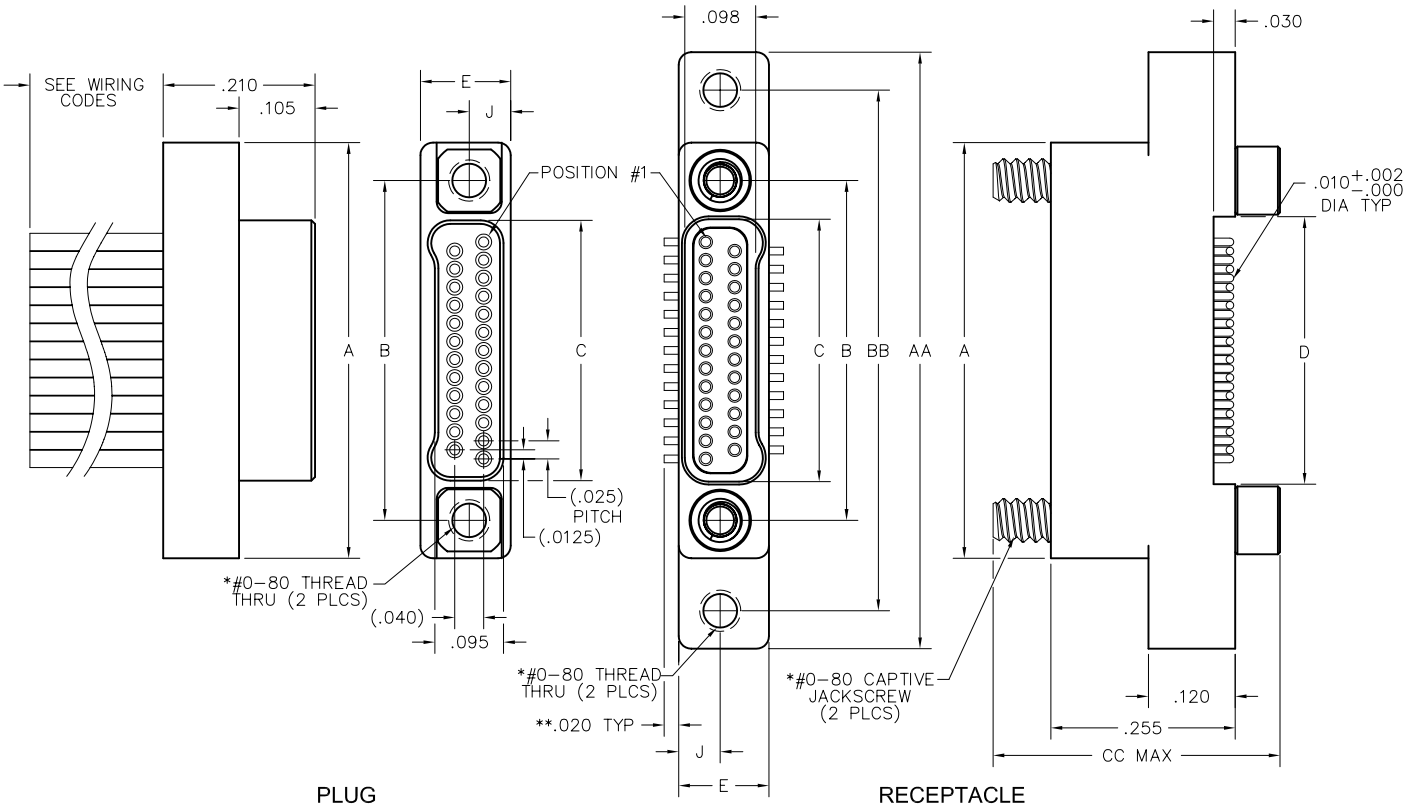
2 · ROW
Cable to Vertical SMT w/ Mounting Ears

.025"

NM, NK

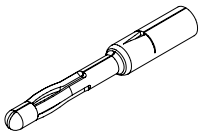
9 thru 85 Contacts



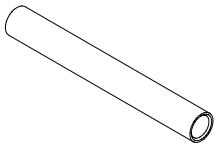


SIZE	DIMENSIONS										
	A	B	C		D	E	J	AA	BB	CC	HARDWARE*
			PLUG	RCPT							
9	.375	.270	.160	.163	.170	.125	.0575	.625	.520	.415	#0–80 THREAD
15	.450	.345	.235	.238	.245			.700	.595		
21	.525	.420	.310	.313	.320			.775	.670		
25	.575	.470	.360	.363	.370			.825	.720		
31	.650	.545	.435	.438	.445			.900	.795		
37	.725	.620	.510	.513	.520			.975	.870		
51	.900	.795	.685	.688	.695			1.150	1.045		
65	1.075	.970	.860	.863	.870			1.325	1.220		
69	1.125	1.020	.910	.913	.920			1.375	1.270		
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	1.679	1.546	.435	#2–56 THREAD

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS
** = DIMENSION CHANGES TO .040" FOR "010" OPTION. SEE PAGE N–54.



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NM–212–025–161–THAC
RECEPTACLE: NK–2L2–025–225–JC00
XX–XXX–XXX–XXX–XXXX–XXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	L	Receptacle, vertical SMT w/ mounting ears
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	22	Socket, SMT (.020 lead envelope)
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None
OPTIONS			
		010	.040 lead envelope

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

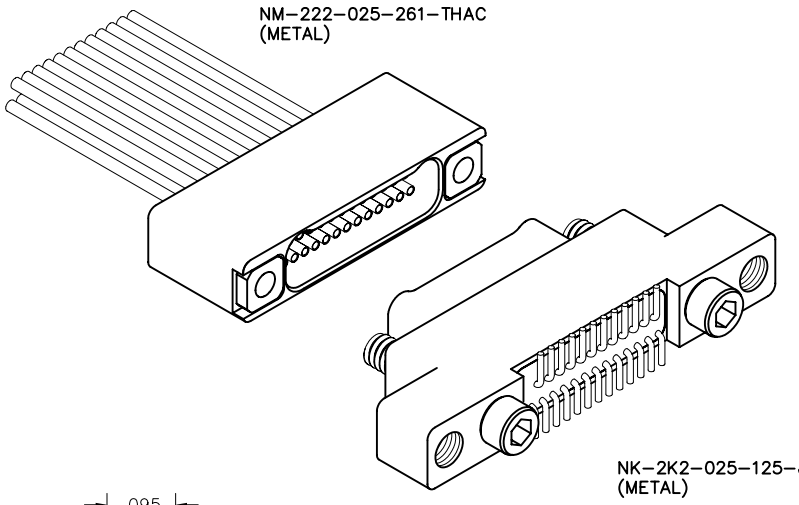
☒ = Option not RoHS compliant

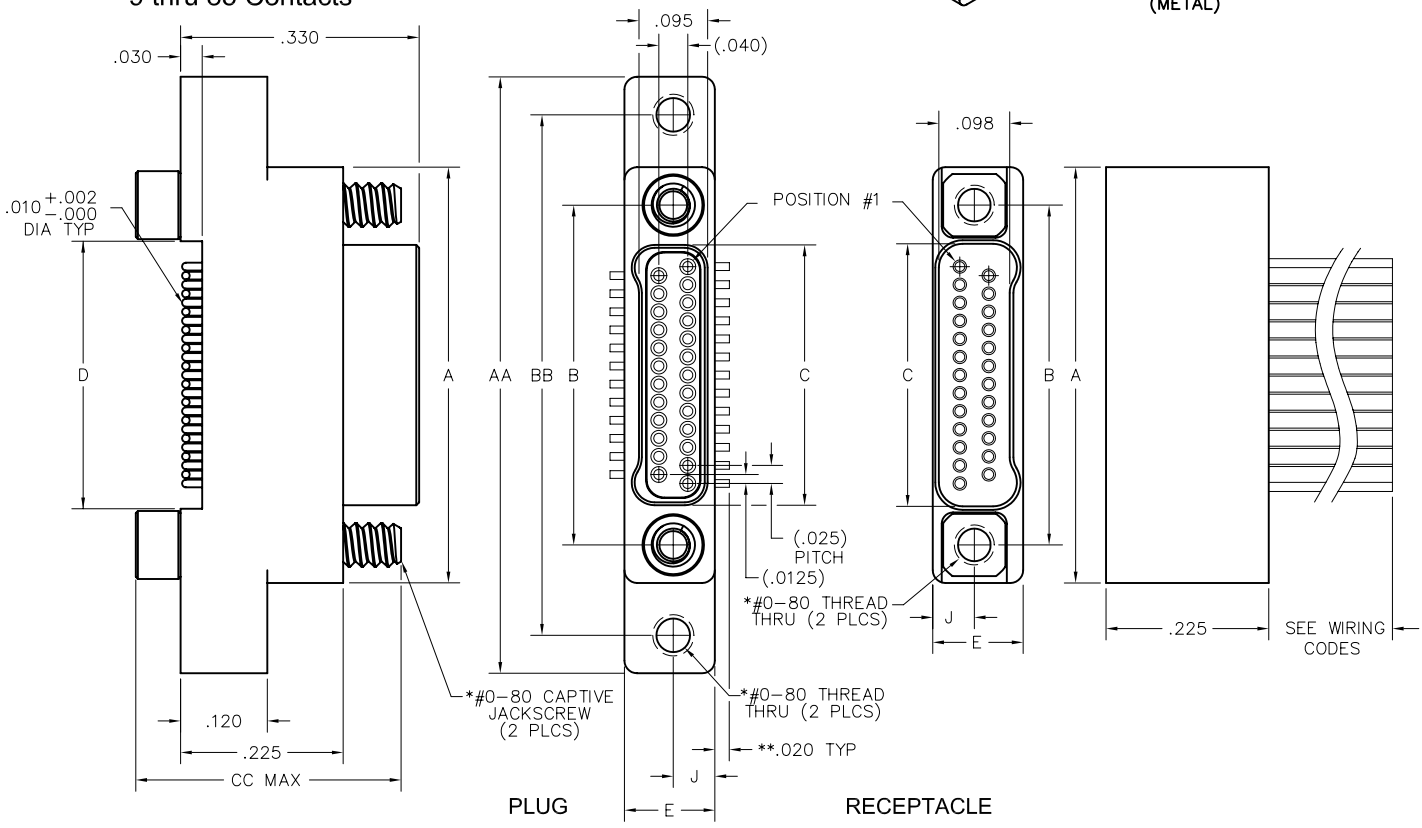
2 · ROW
Cable to Vertical SMT w/ Mounting Ears

.025"

NM, NK

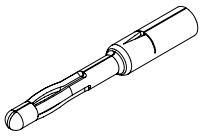
9 thru 85 Contacts



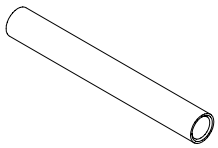


DIMENSIONS											
SIZE	A	B	C		D	E	J	AA	BB	CC	HARDWARE*
			PLUG	RCPT							
9	.375	.270	.160	.163	.170	.125	.0575	.625	.520	.385	#0–80 THREAD
15	.450	.345	.235	.238	.245			.700	.595		
21	.525	.420	.310	.313	.320			.775	.670		
25	.575	.470	.360	.363	.370			.825	.720		
31	.650	.545	.435	.438	.445			.900	.795		
37	.725	.620	.510	.513	.520			.975	.870		
51	.900	.795	.685	.688	.695			1.150	1.045		
65	1.075	.970	.860	.863	.870			1.325	1.220		
69	1.125	1.020	.910	.913	.920			1.375	1.270		
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	1.679	1.546	.405	#2–56 THREAD

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS
** = DIMENSION CHANGES TO .040" FOR ".010" OPTION. SEE PAGE N–56.



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

PLUG: NK–2K2–025–125–JC00
RECEPTACLE: NM–222–025–261–THAC
XX–XXX–XXX–XXX–XXXX–XXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
K	Plug, vertical SMT w/ mounting ears	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, SMT (.020 lead envelope)	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2
OPTIONS			
010	.040 lead envelope		

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

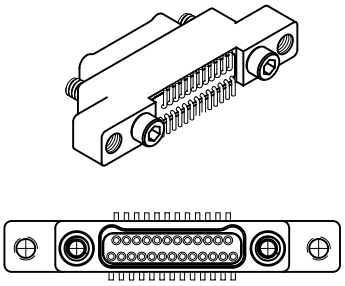
☒ = Option not RoHS compliant

AirBorn

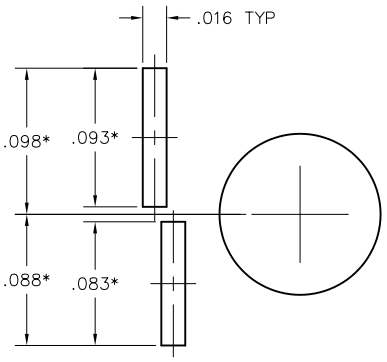
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

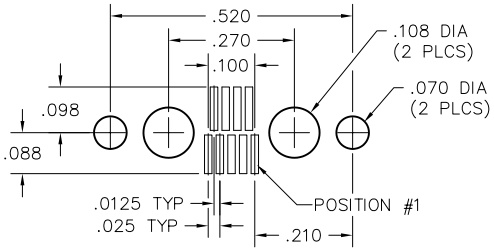


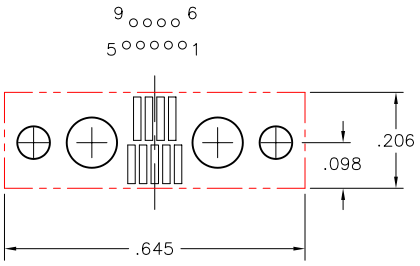
CONNECTOR MATING FACE



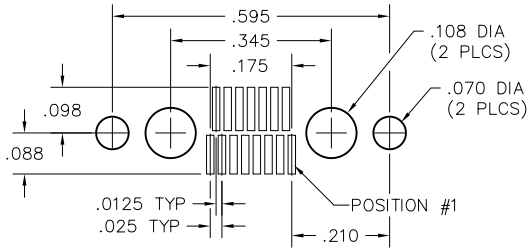
FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

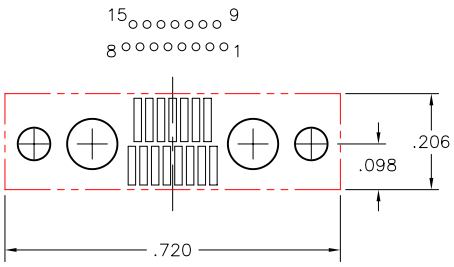
9 POSITION



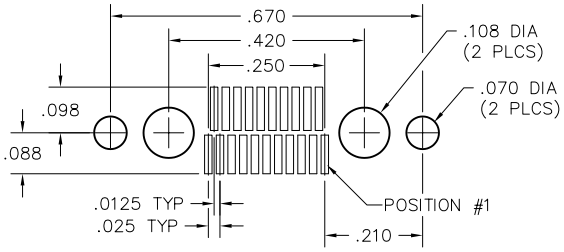


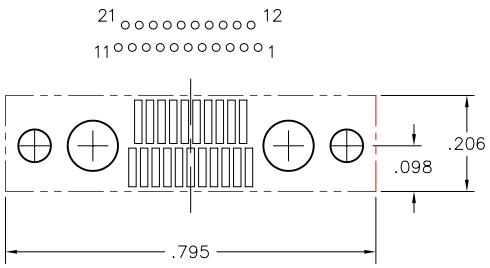
15 POSITION



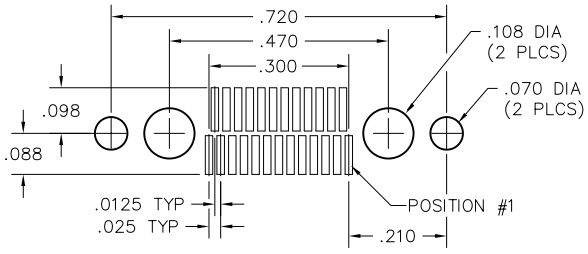


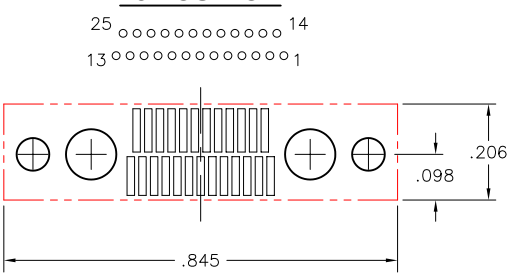
21 POSITION

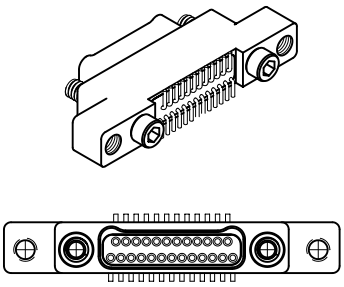




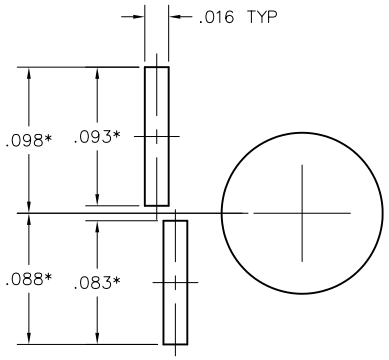
25 POSITION







CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

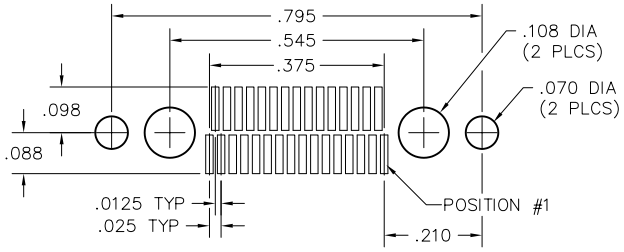
AirBorn

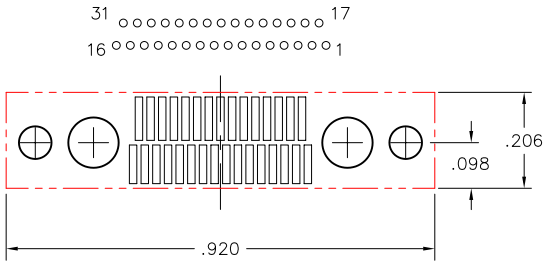
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

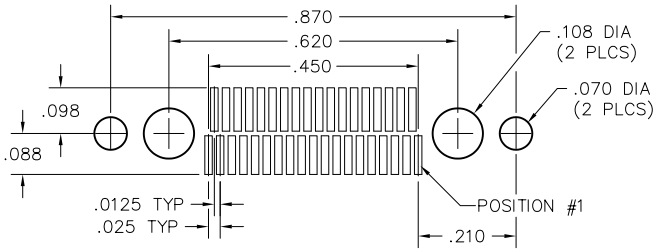
No solder mask allowed within connector outline

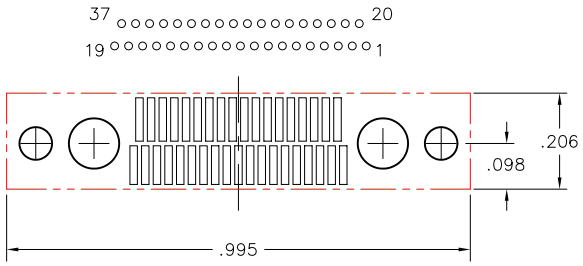
31 POSITION



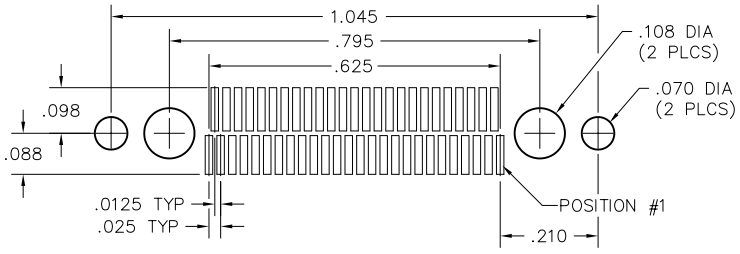


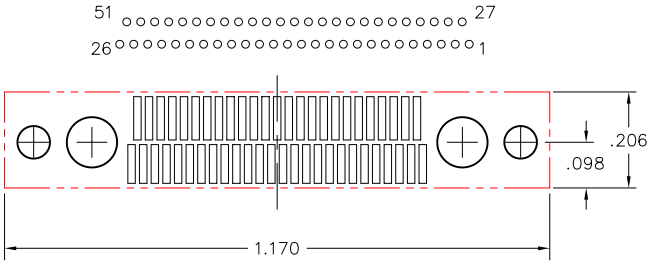
37 POSITION



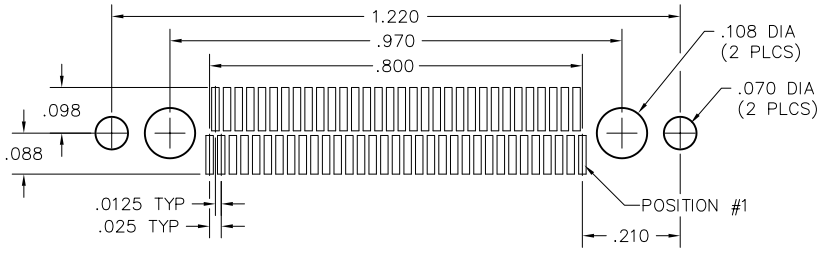


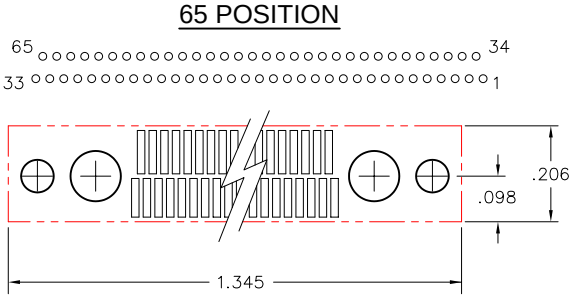
51 POSITION





65 POSITION



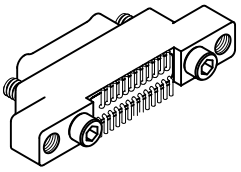


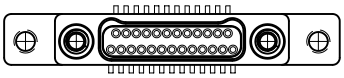
Ask About AirBorn's Accelerated Delivery Service

Recommended PC Board Layout

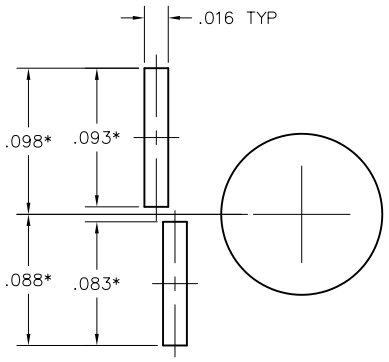
Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline



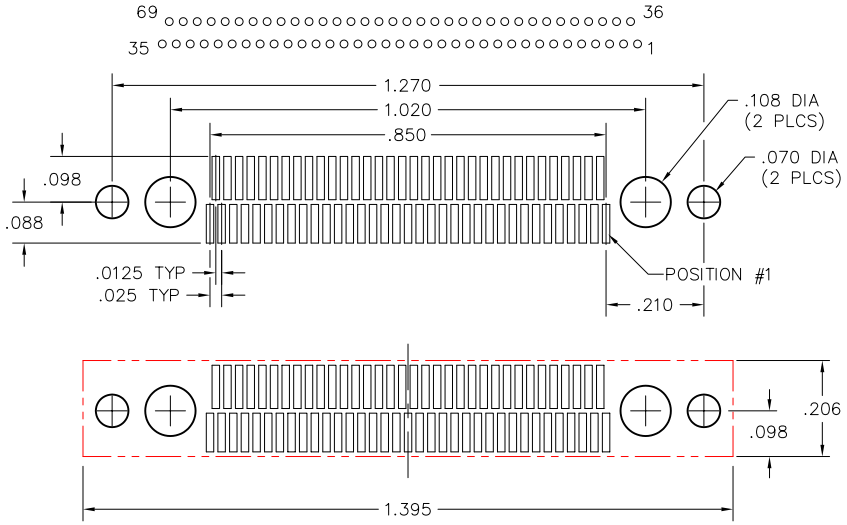


CONNECTOR MATING FACE

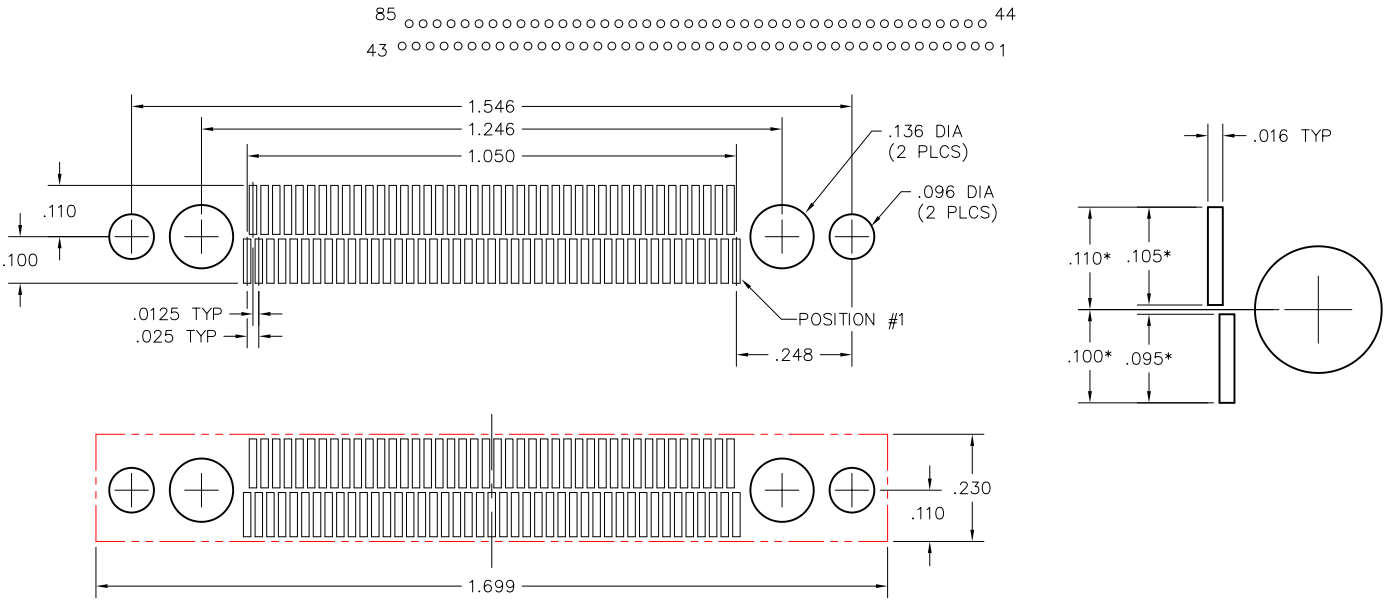


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

69 POSITION



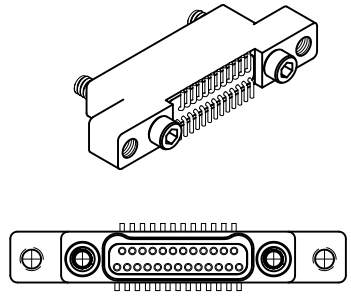
85 POSITION



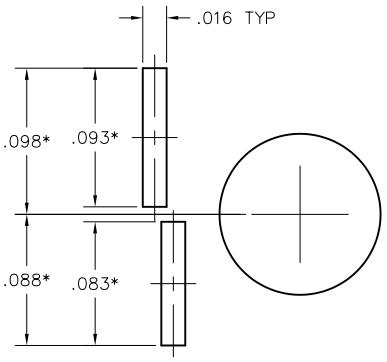
Recommended PC Board Layout

Vertical SMT Rcpt w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

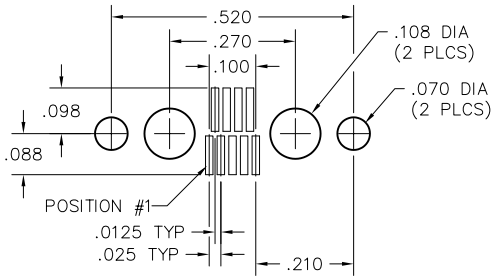


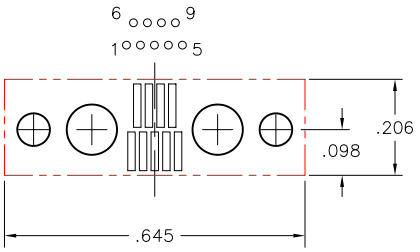
CONNECTOR MATING FACE



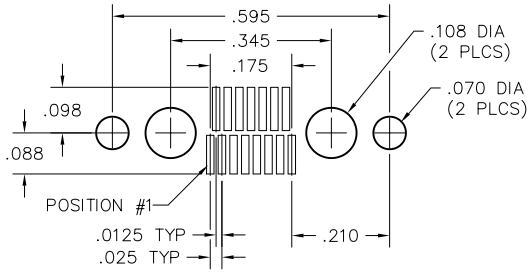
FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

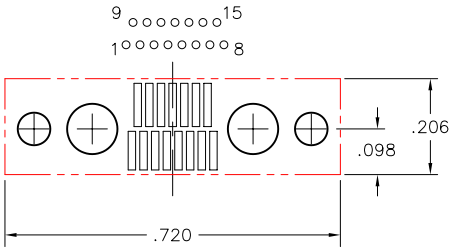
9 POSITION



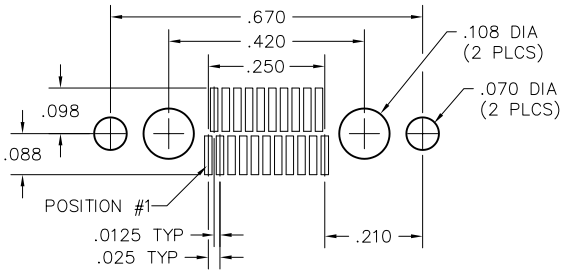


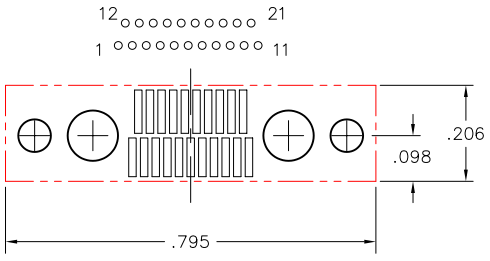
15 POSITION



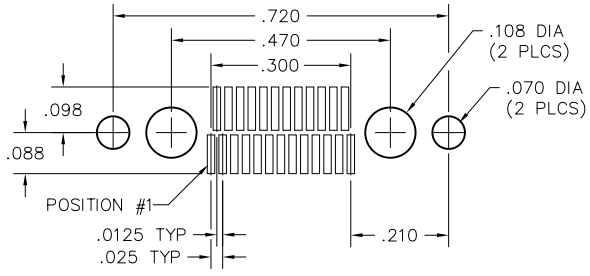


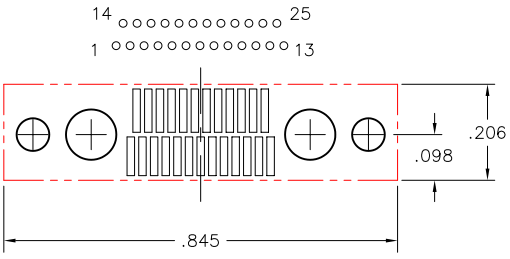
21 POSITION

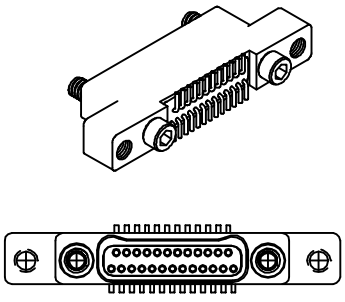




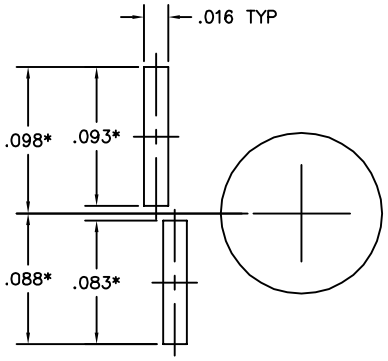
25 POSITION







CONNECTOR MATING FACE

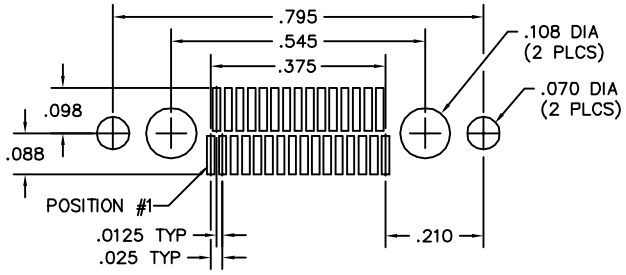


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

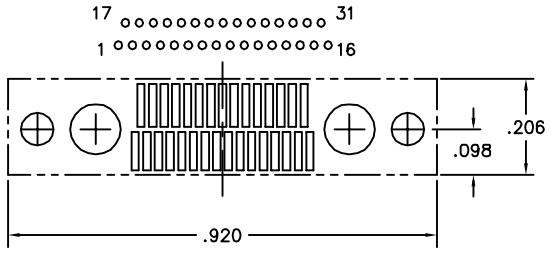
Recommended PC Board Layout

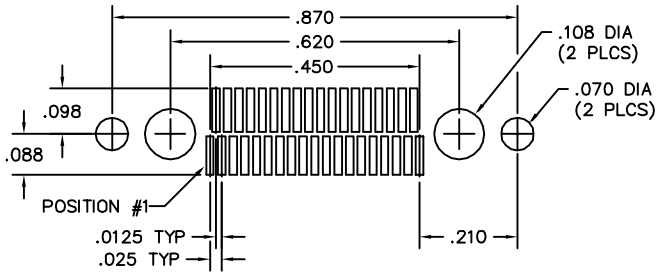
Vertical SMT Rcpt w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

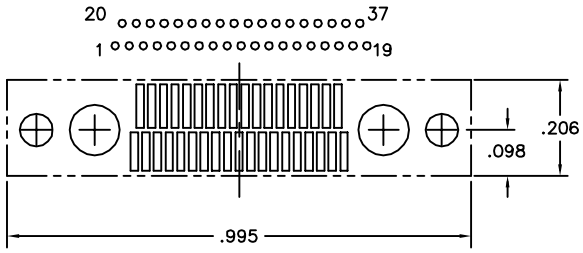


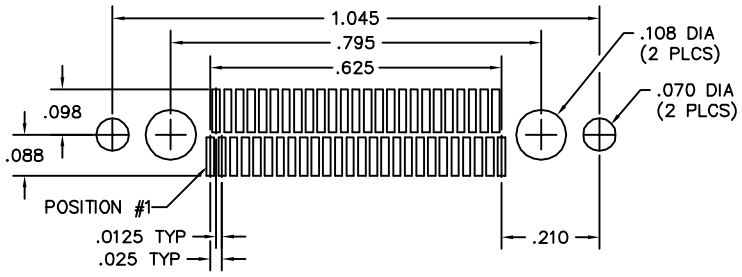
31 POSITION



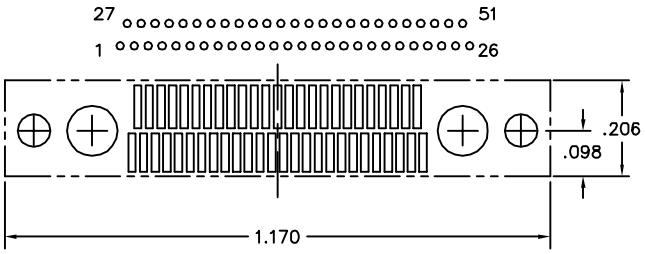


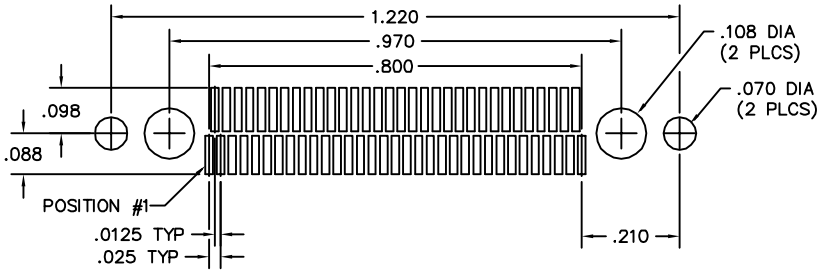
37 POSITION



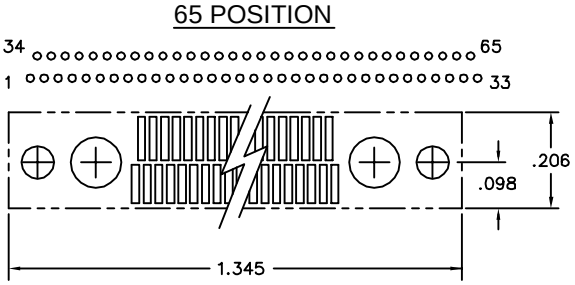


51 POSITION





65 POSITION

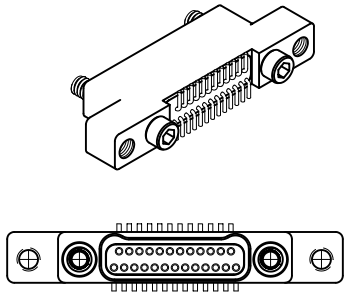


Ask About AirBorn's Accelerated Delivery Service

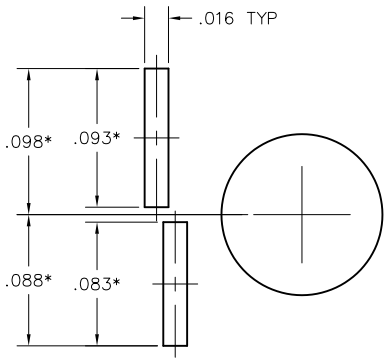
Recommended PC Board Layout

Vertical SMT Plug w/ Mounting Ears
.020 & .040 Lead Envelopes
FOR REFERENCE ONLY

No solder mask allowed within connector outline

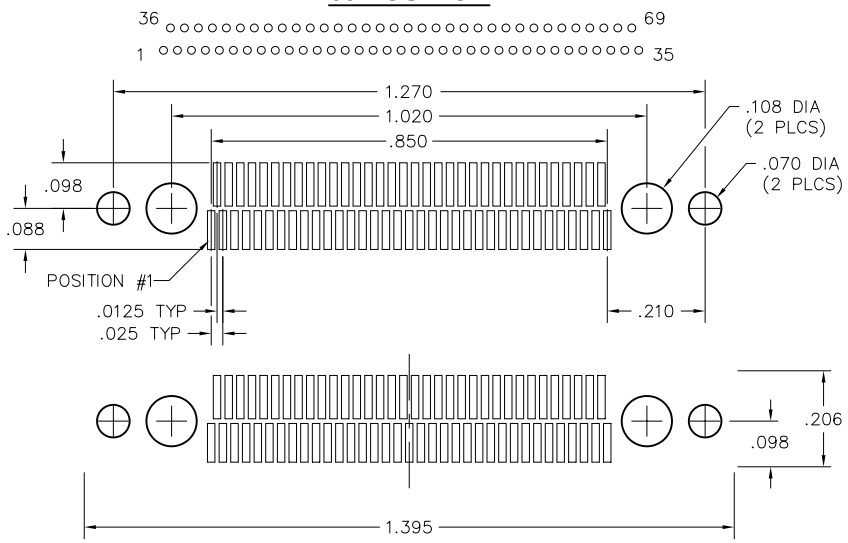


CONNECTOR MATING FACE

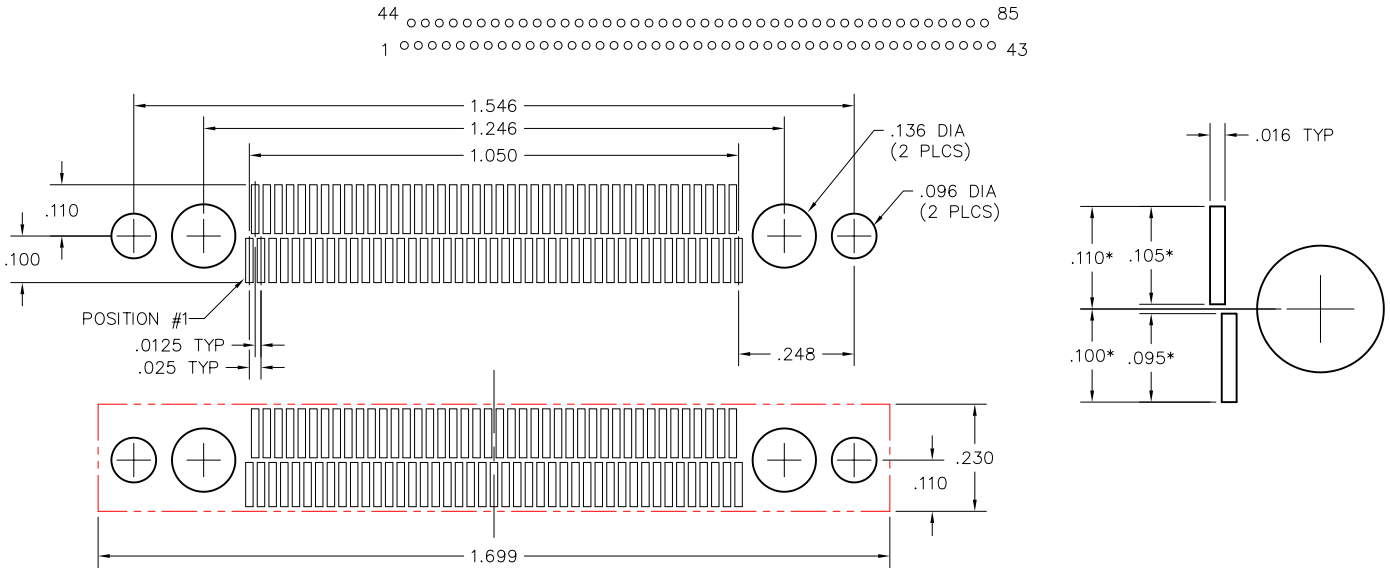


FOOTPRINT / PAD CONFIGURATION
* = For .040" lead envelope, add .020" to noted dimensions

69 POSITION



85 POSITION



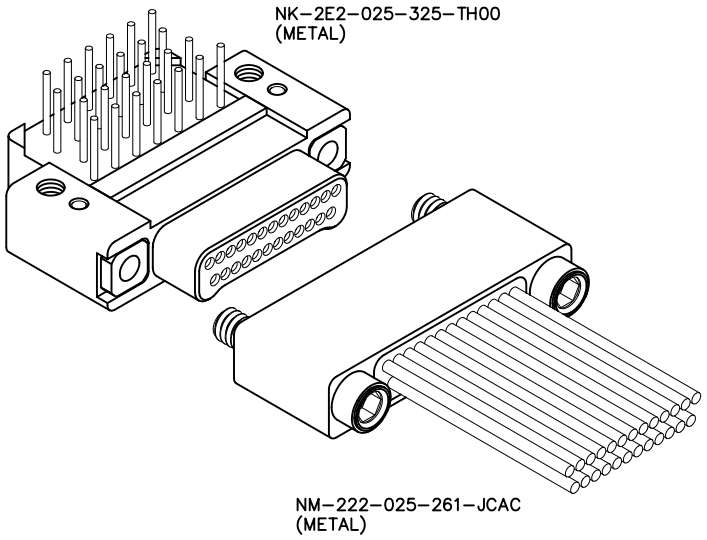
AirBorn

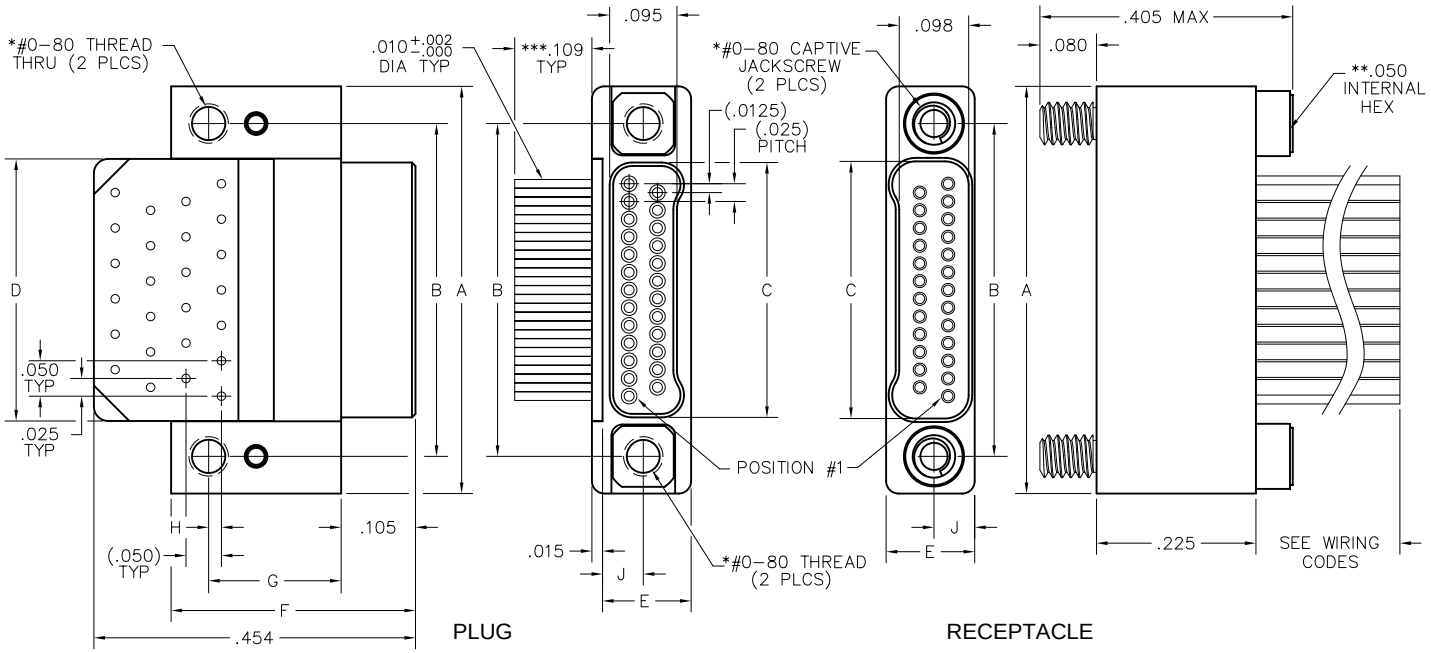
2 · ROW
Cable to Board
Right Angle PTH

.025"

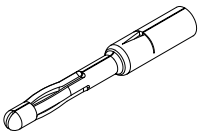
NM, NK

9 thru 91 Contacts

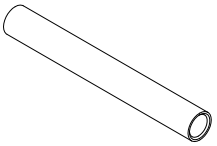




DIMENSIONS											
SIZE	A	B	C		D	E	F	G	H	J	*HARDWARE
			PLUG	RCPT							
9	.375	.270	.160	.163	.170	.125	.345	.187	.018	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245						
21	.525	.420	.310	.313	.320						
25	.575	.470	.360	.363	.370						
31	.650	.545	.435	.438	.445						
37	.725	.620	.510	.513	.520						
51	.900	.795	.685	.688	.695						
65	1.075	.970	.860	.863	.870						
69	1.125	1.020	.910	.913	.920						
85	1.377	1.246	1.110	1.113	1.120	.150	.410	.244	.075	.0700	#2–56 THREAD
91	1.452	1.321	1.185	1.188	1.195						



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 AND 91 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK–2E2–025–325–TH00
RECEPTACLE: NM–222–025–261–JCAC
XX–XXX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
E	Plug, right angle, plated thru hole (PTH)	2	Receptacle, straight
		6	Receptacle, straight, with factory installed backshell (See page NA-3)
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085, or 091)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
32	Pin, right angle, .109"	26	Socket, straight, crimped wire
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	1	50 u" Au contacts
8	50 u" Au contacts; Tin plated terminations		
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
TH	Threaded hole, #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	XX	See wiring codes, Page NA-2

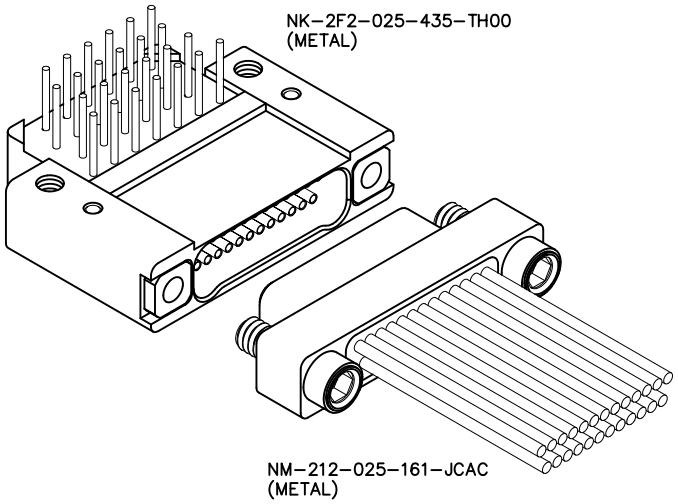
* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

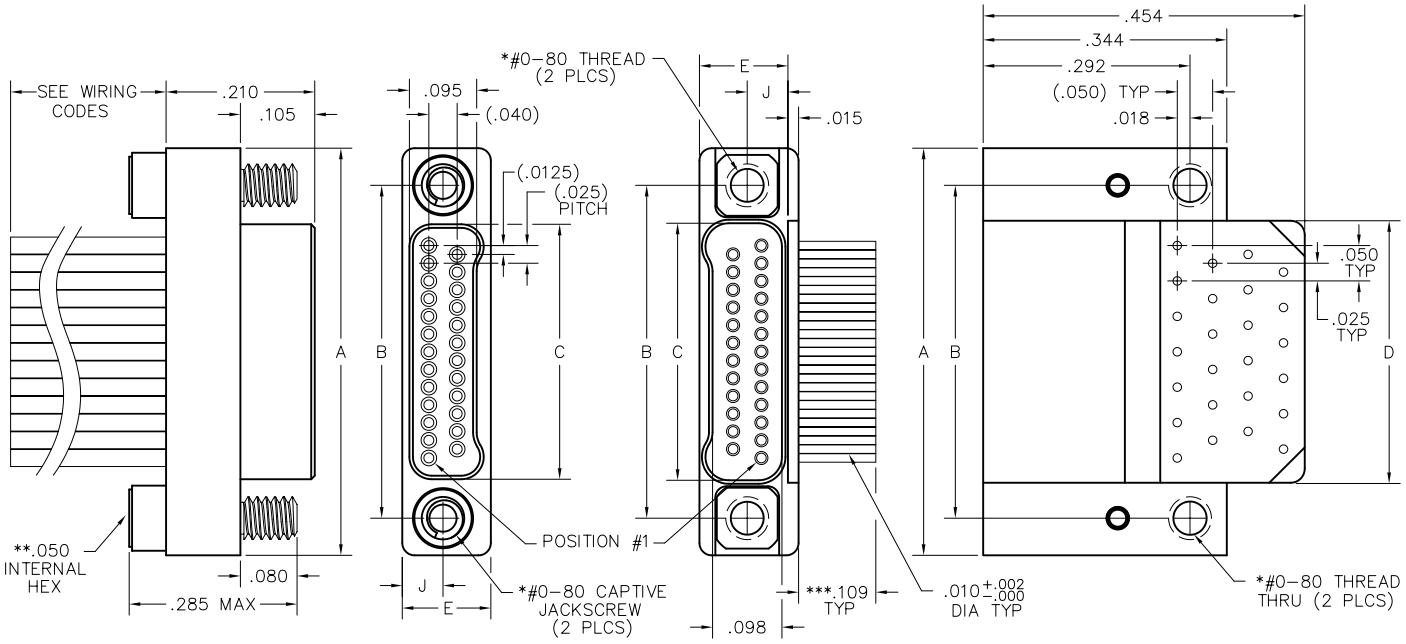
☒ = Option not RoHS compliant

2 ◦ ROW
Cable to Board
Right Angle PTH
.025"

NM, NK

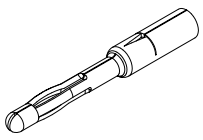
9 thru 91 Contacts



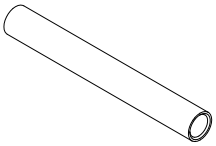


PLUG RECEPTACLE

DIMENSIONS								
SIZE	A	B	C		D	E	J	*HARDWARE
			PLUG	RCPT				
9	.375	.270	.160	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245			
21	.525	.420	.310	.313	.320			
25	.575	.470	.360	.363	.370			
31	.650	.545	.435	.438	.445			
37	.725	.620	.510	.513	.520			
51	.900	.795	.685	.688	.695			
65	1.075	.970	.860	.863	.870			
69	1.125	1.020	.910	.913	.920			
85	1.377	1.246	1.110	1.113	1.120	.150	.0700	#2–56 THREAD
91	1.452	1.321	1.185	1.188	1.195			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = 1/16" HEX ON 85 AND 91 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NM–212–025–161–JCAC
RECEPTACLE: NK–2F2–025–435–TH00
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal I/O Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	F	Receptacle, right angle, plated thru hole (PTH)
5	Plug, straight, with factory installed backshell (See page NA-3)		
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	43	Socket, right angle, .109"
		44	Socket, right angle, .140"
		45	Socket, right angle, .172"
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
		8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	00	None

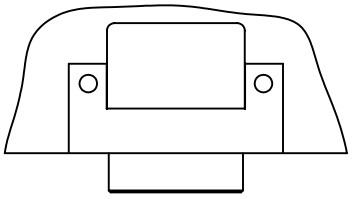
* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

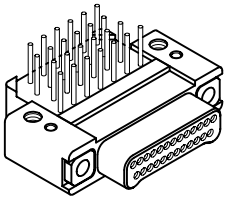
Recommended PC Board Layout

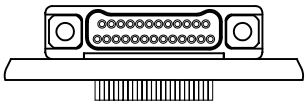
Right Angle PTH Plug

FOR REFERENCE ONLY



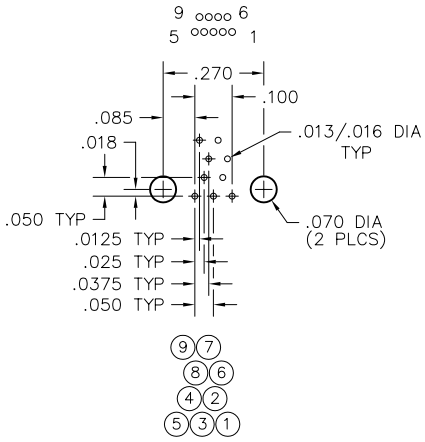
PC BOARD LAYOUT
COMPONENT SIDE



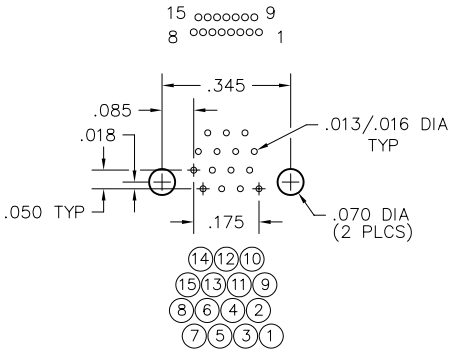


CONNECTOR MATING FACE

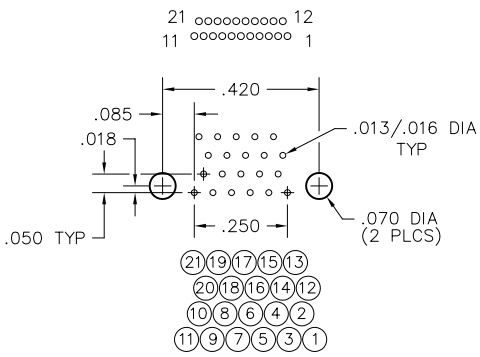
9 POSITION



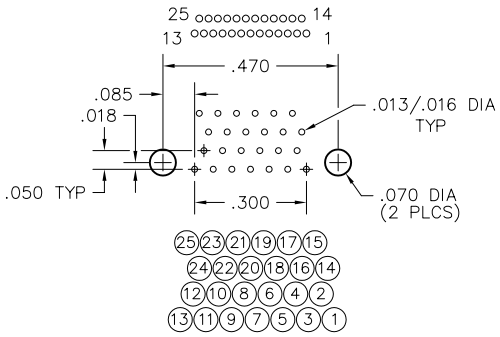
15 POSITION



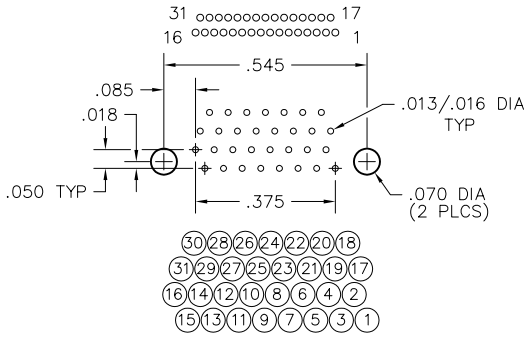
21 POSITION



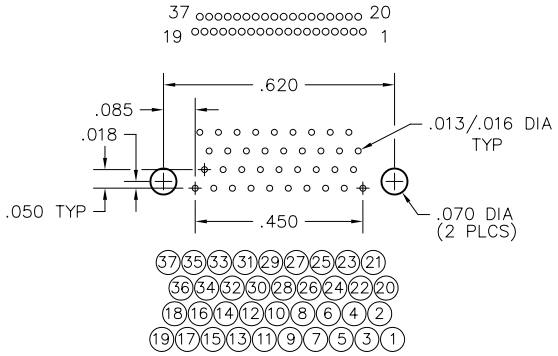
25 POSITION



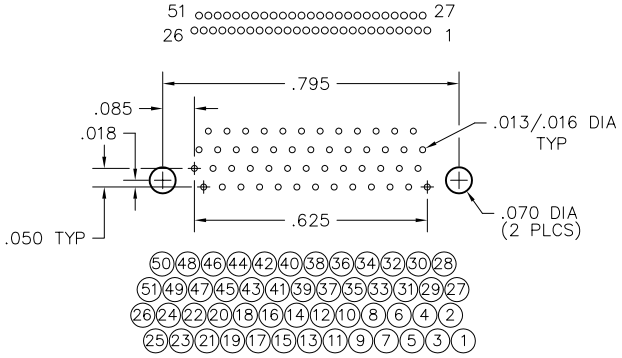
31 POSITION



37 POSITION

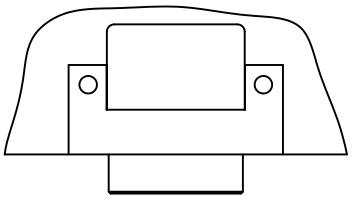


51 POSITION

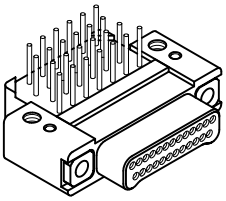


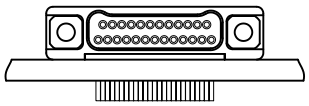
Recommended PC Board Layout

Right Angle PTH Plug
FOR REFERENCE ONLY



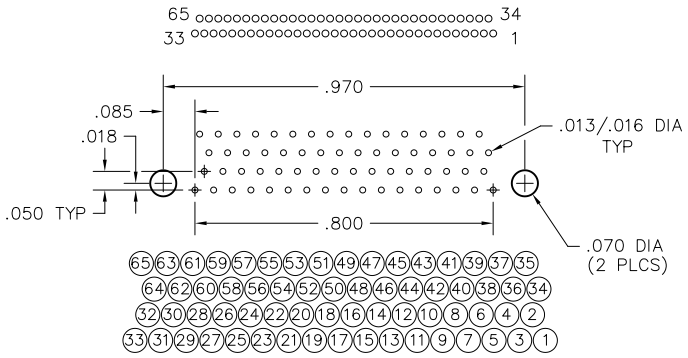
PC BOARD LAYOUT
COMPONENT SIDE



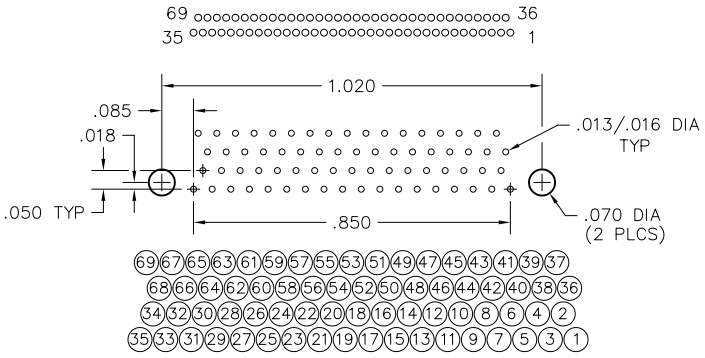


CONNECTOR MATING FACE

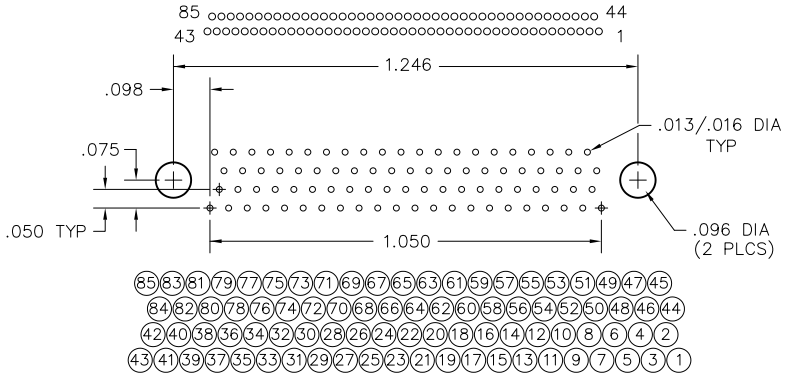
65 POSITION



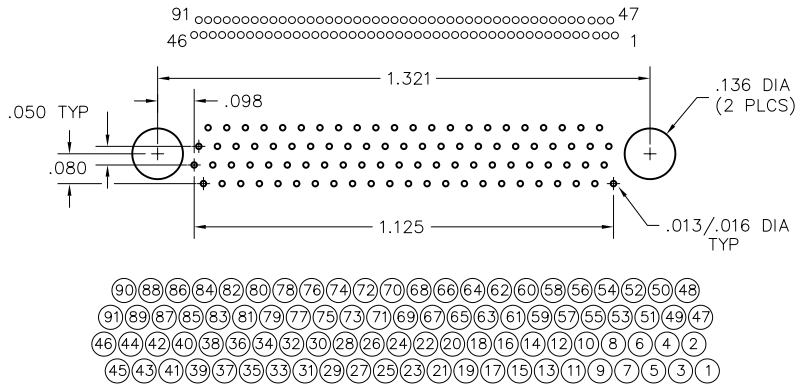
69 POSITION



85 POSITION



91 POSITION

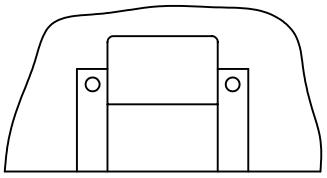


Ask About AirBorn's Accelerated Delivery Service

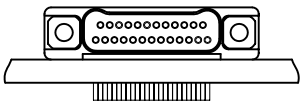
Recommended PC Board Layout

Right Angle PTH Receptacle

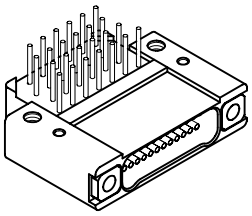
FOR REFERENCE ONLY



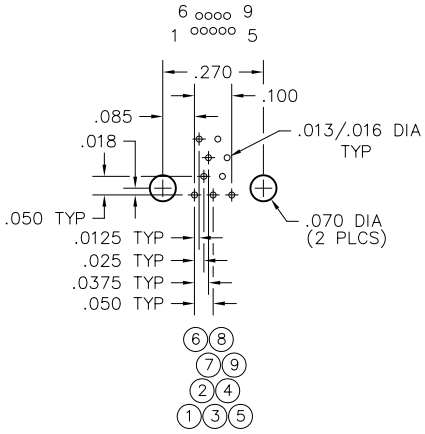
PC BOARD LAYOUT
COMPONENT SIDE



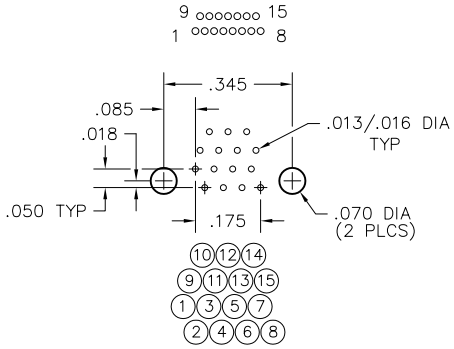
CONNECTOR MATING FACE



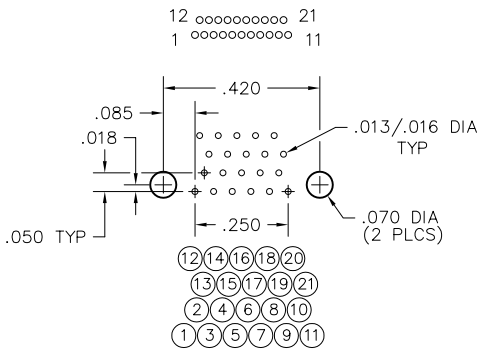
9 POSITION



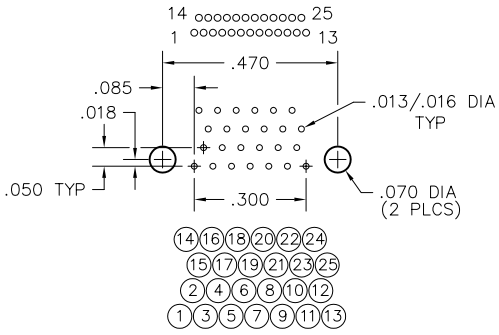
15 POSITION



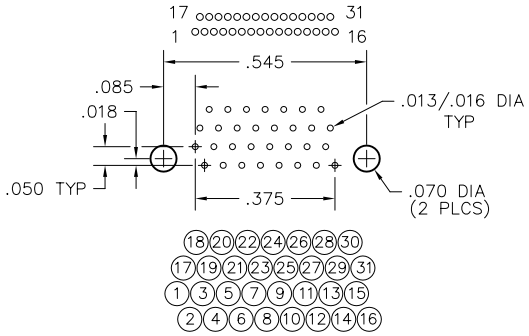
21 POSITION



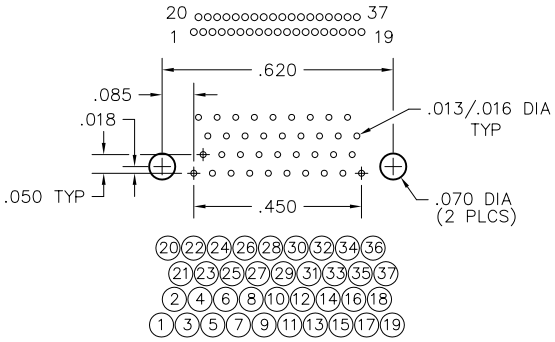
25 POSITION



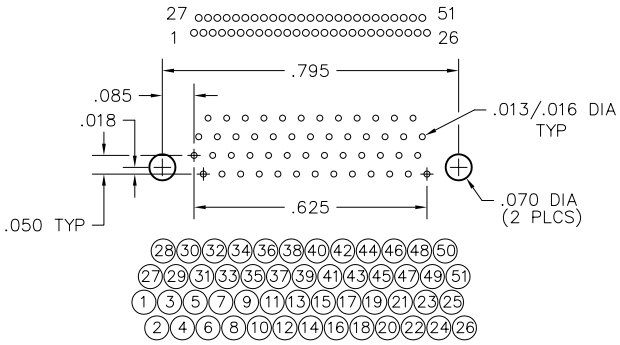
31 POSITION

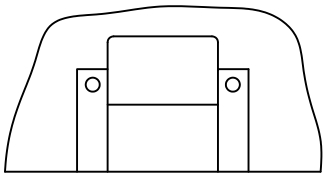


37 POSITION

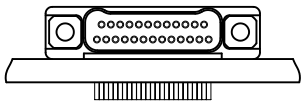


51 POSITION

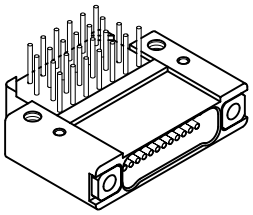




PC BOARD LAYOUT
COMPONENT SIDE



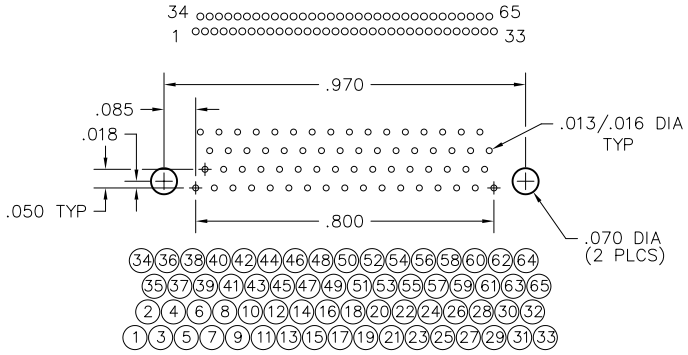
CONNECTOR MATING FACE



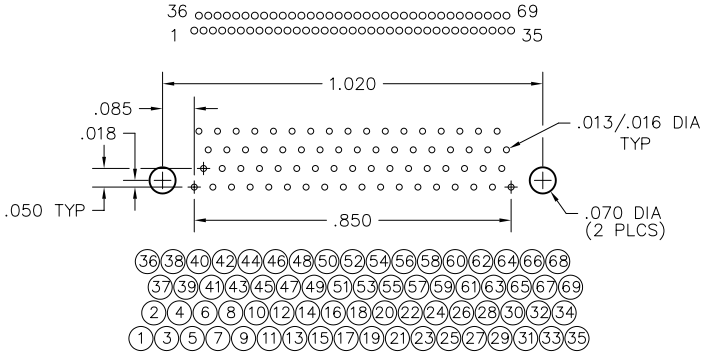
Recommended PC Board Layout

Right Angle PTH Receptacle
FOR REFERENCE ONLY

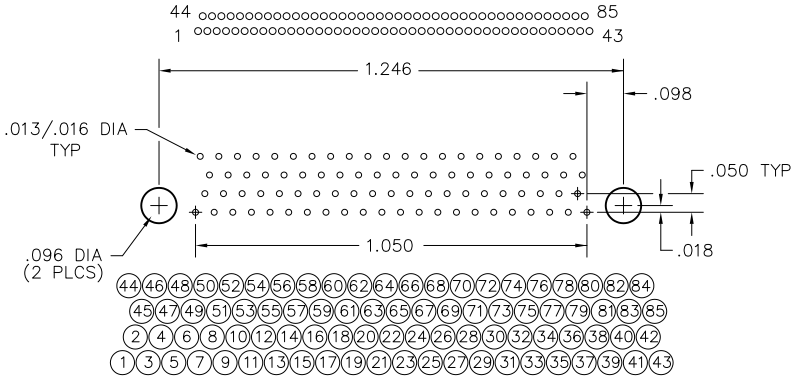
65 POSITION



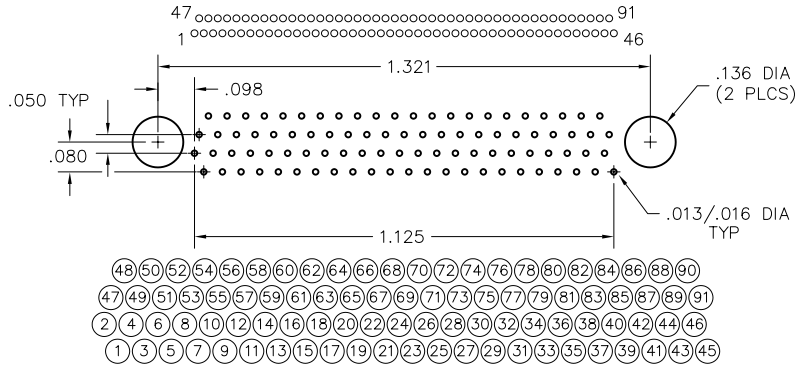
69 POSITION



85 POSITION



91 POSITION



Ask About AirBorn's Accelerated Delivery Service

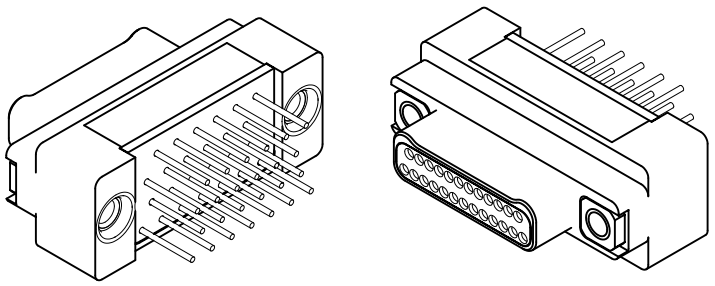
AirBorn

2 ROW
Vertical PTH Plug with Fixed Hardware

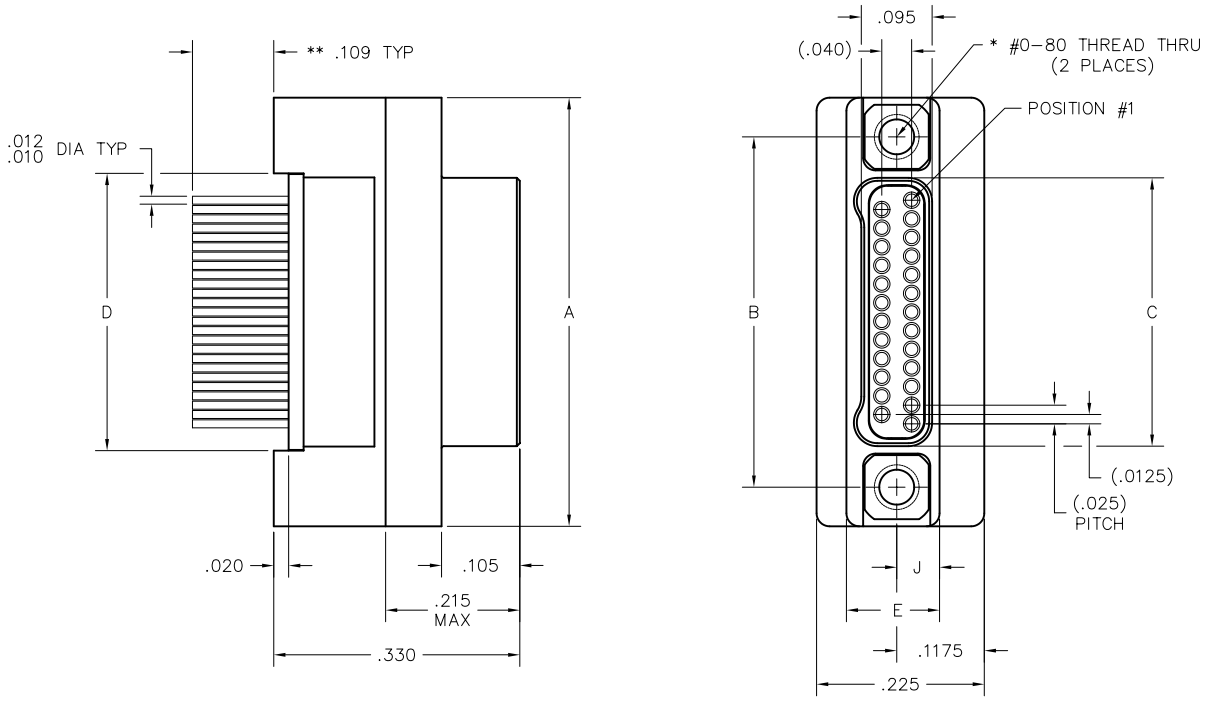
.025"

NK

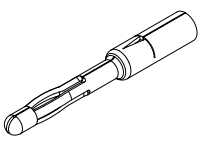
9 thru 91 Contacts



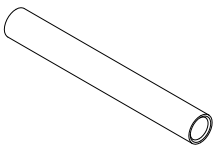
NK–2G2–025–135–TH00
PLUG



DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.160	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.245			
21	.525	.420	.310	.320			
25	.575	.470	.360	.370			
31	.650	.545	.435	.445			
37	.725	.620	.510	.520			
51	.900	.795	.685	.695			
65	1.075	.970	.860	.870			
69	1.125	1.020	.910	.920			
85	1.377	1.246	1.110	1.120	.150	.070	#2–56 THREAD
91	1.452	1.321	1.184	1.198			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED

NK–2G2–025–135–TH00
XX–XXX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
G Plug, vertical mount, plated thru hole (PTH)

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
00 None
TH Threaded hole, #0-80 UNF *

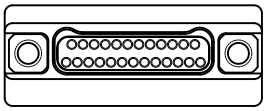
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

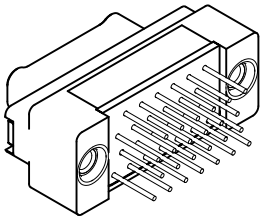
☒ = Option not RoHS compliant

Recommended PC Board Layout

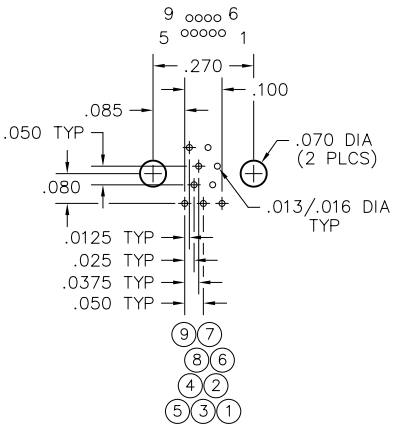
Vertical PTH Plug
FOR REFERENCE ONLY



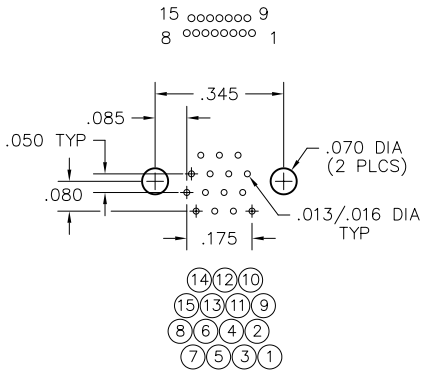
CONNECTOR MATING FACE



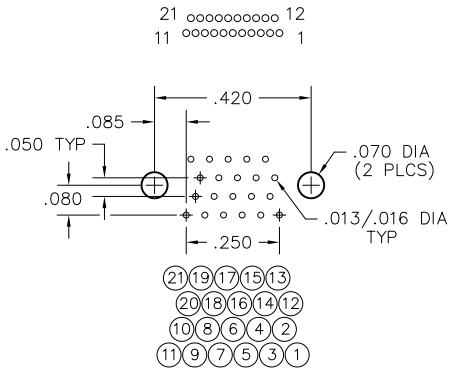
9 POSITION



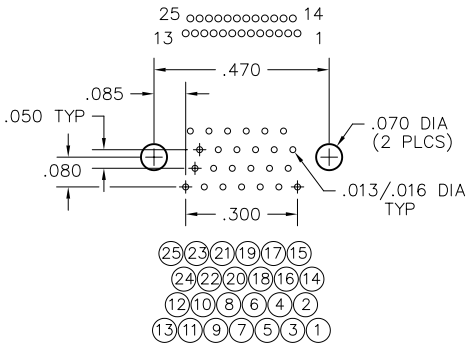
15 POSITION



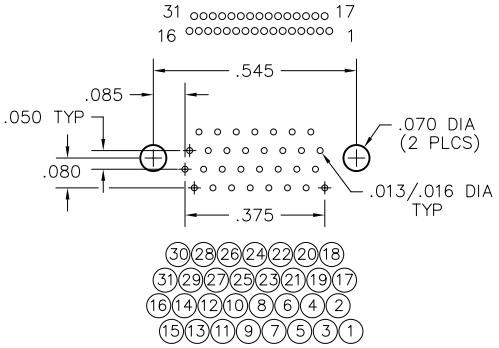
21 POSITION



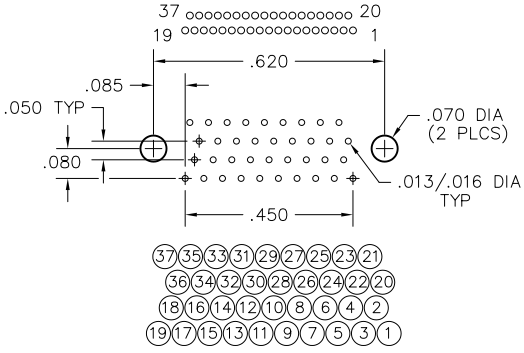
25 POSITION



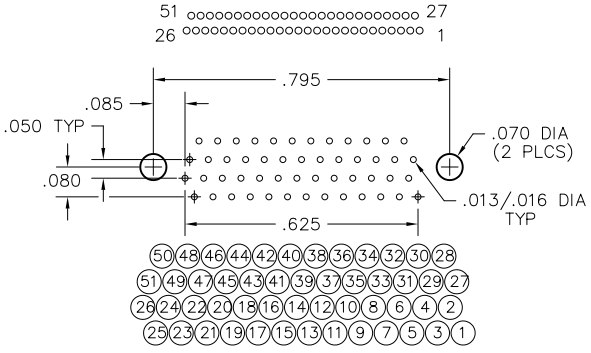
31 POSITION

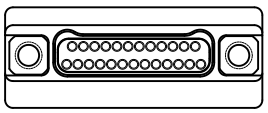


37 POSITION

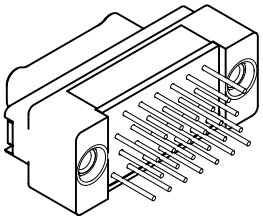


51 POSITION





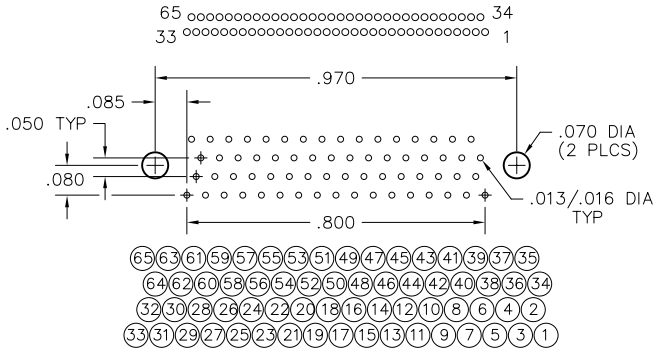
CONNECTOR MATING FACE



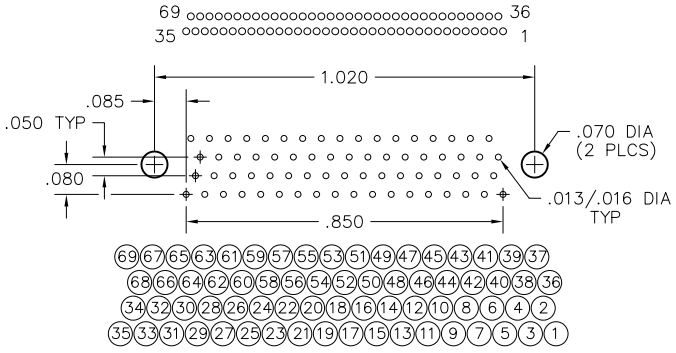
Recommended PC Board Layout

Vertical PTH Plug
FOR REFERENCE ONLY

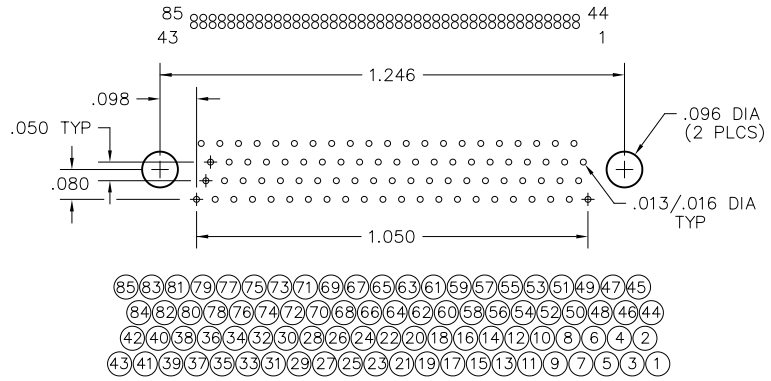
65 POSITION



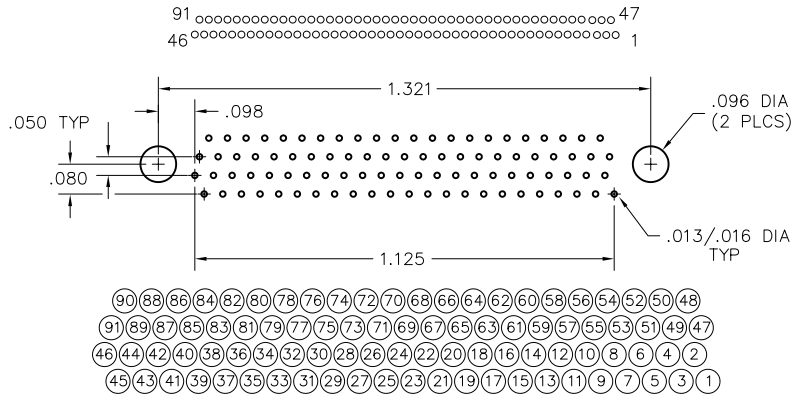
69 POSITION



85 POSITION



91 POSITION



Ask About AirBorn's Accelerated Delivery Service

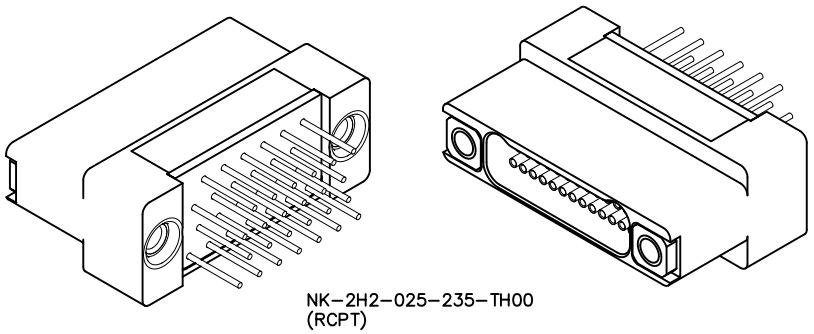
AirBorn

2 ◦ ROW
Vertical PTH Receptacle with Fixed Hardware

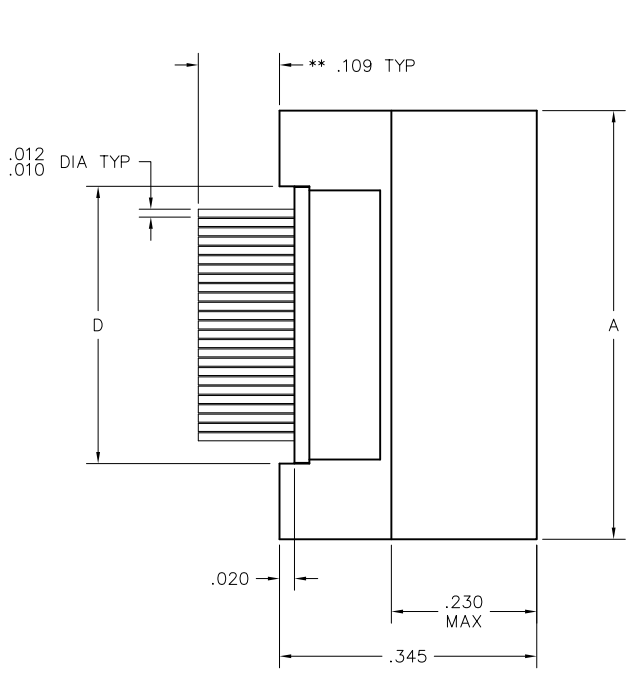
.025"

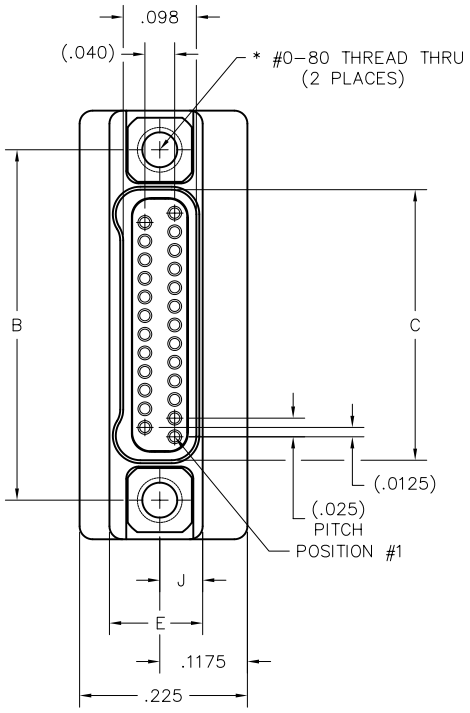
NK

9 thru 91 Contacts

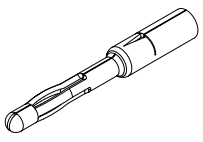


NK–2H2–025–235–TH00
(RCPT)

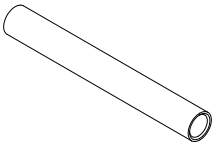




DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.238	.245			
21	.525	.420	.313	.320			
25	.575	.470	.363	.370			
31	.650	.545	.438	.445			
37	.725	.620	.513	.520			
51	.900	.795	.688	.695			
65	1.075	.970	.863	.870			
69	1.125	1.020	.913	.920			
85	1.377	1.246	1.113	1.120	.150	.070	#2–56 THREAD
91	1.452	1.321	1.184	1.198			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED

NK–2H2–025–235–TH00
XX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
H Receptacle, vertical mount, plated thru hole (PTH)

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
00 None
TH Threaded hole, #0-80 UNF *

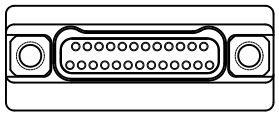
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

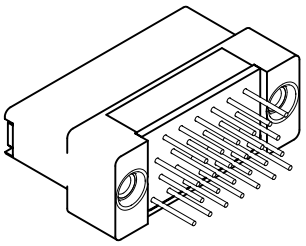
☒ = Option not RoHS compliant

Recommended PC Board Layout

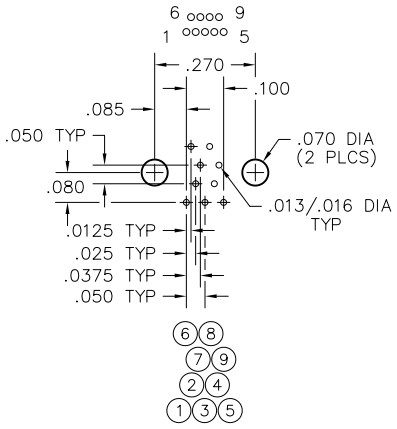
Vertical PTH Receptacle
FOR REFERENCE ONLY



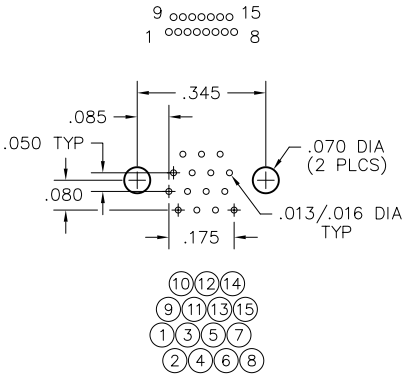
CONNECTOR MATING FACE



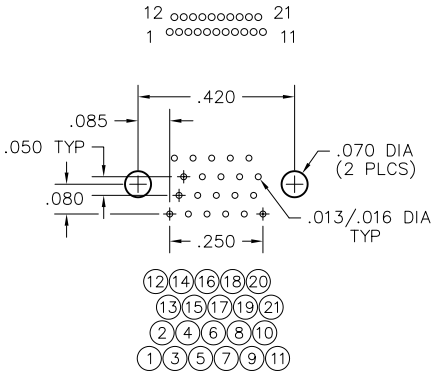
9 POSITION



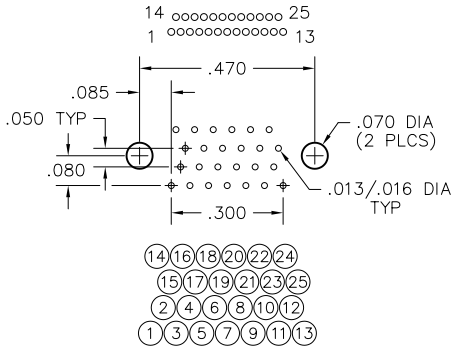
15 POSITION



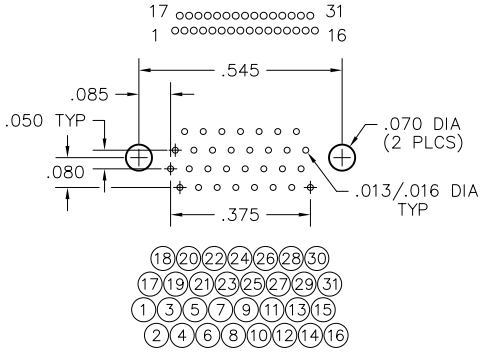
21 POSITION



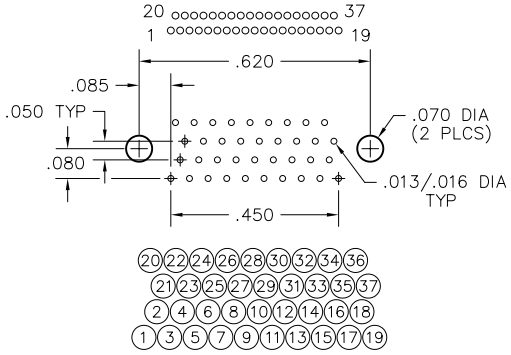
25 POSITION



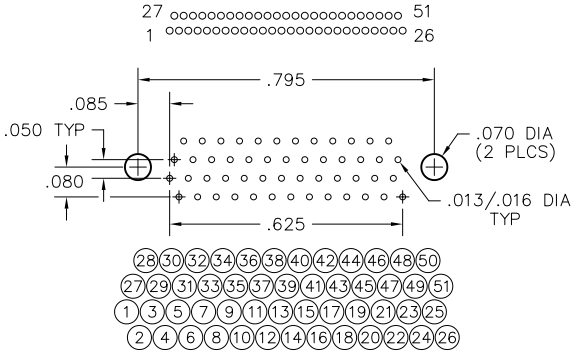
31 POSITION

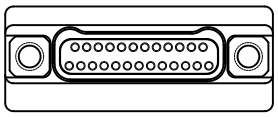


37 POSITION

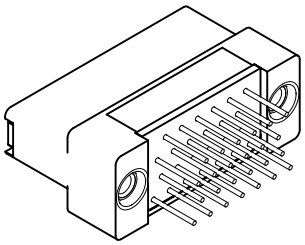


51 POSITION





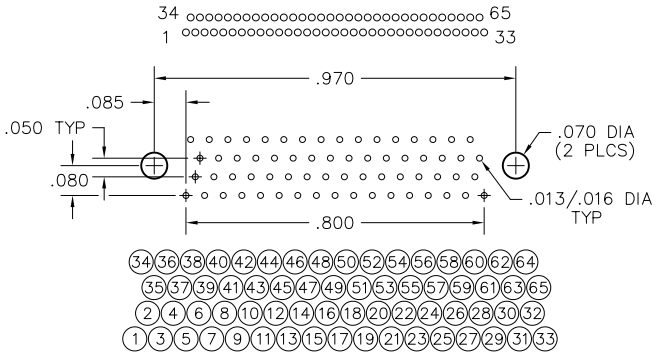
CONNECTOR MATING FACE



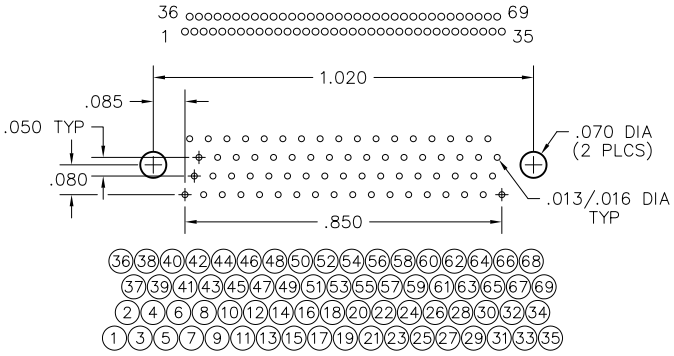
Recommended PC Board Layout

Vertical PTH Receptacle
FOR REFERENCE ONLY

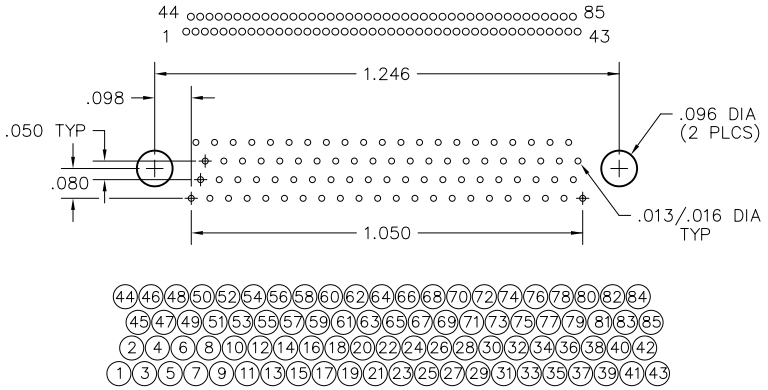
65 POSITION



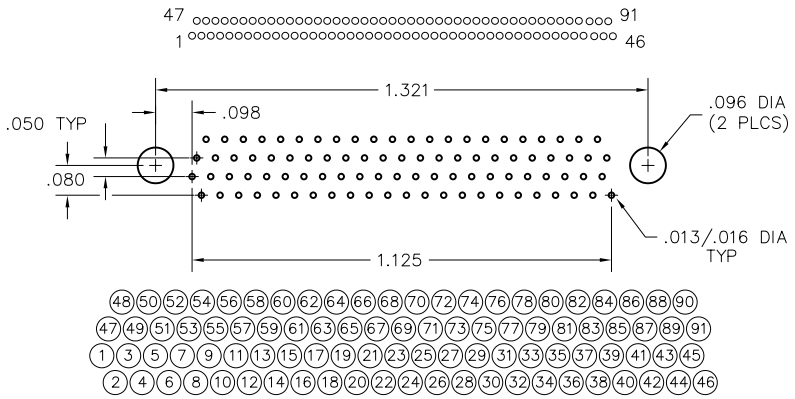
69 POSITION



85 POSITION



91 POSITION



Ask About AirBorn's Accelerated Delivery Service

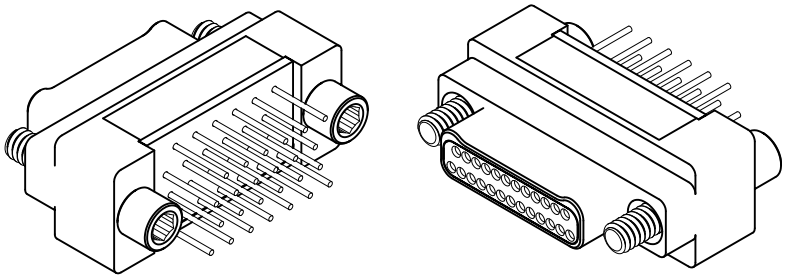
AirBorn

2 ROW
Vertical PTH Plug with Turning Hardware

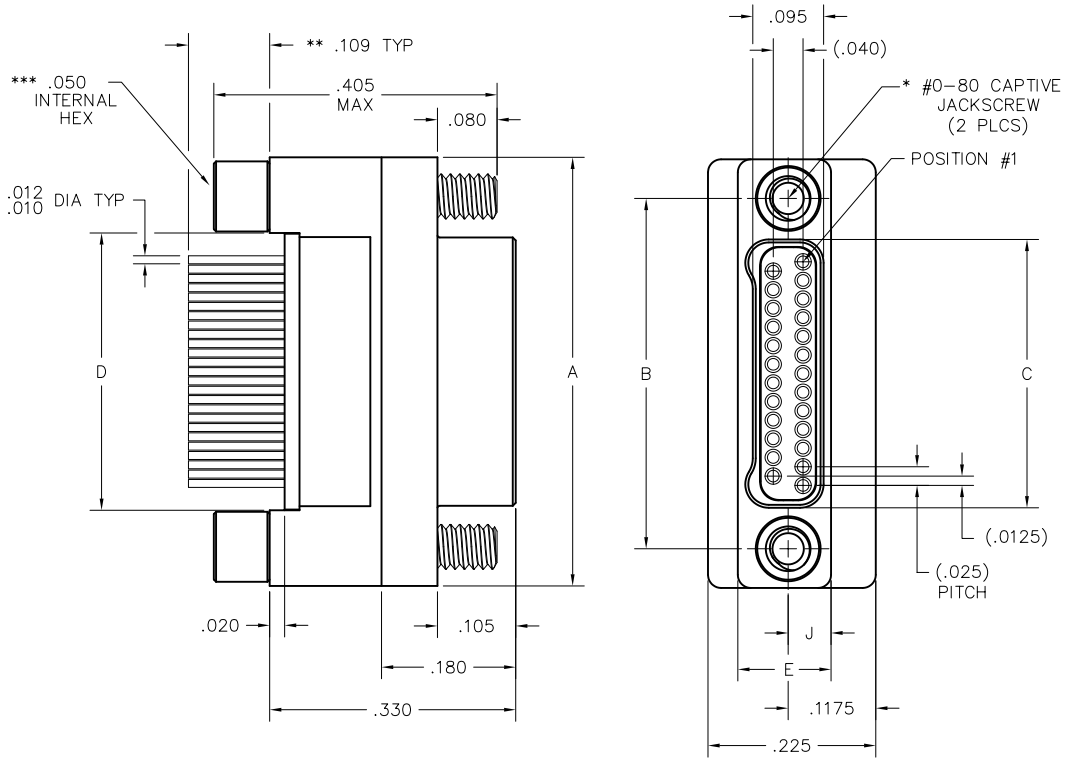
.025"

NK

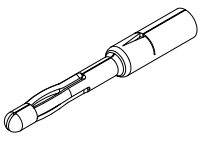
9 thru 91 Contacts



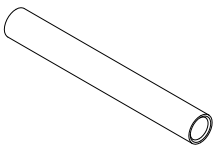
NK–2G2–025–135–JC00
PLUG



DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.160	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.245			
21	.525	.420	.310	.320			
25	.575	.470	.360	.370			
31	.650	.545	.435	.445			
37	.725	.620	.510	.520			
51	.900	.795	.685	.695			
65	1.075	.970	.860	.870			
69	1.125	1.020	.910	.920			
85	1.377	1.246	1.110	1.120	.150	.070	#2–56 THREAD
91	1.451	1.321	1.184	1.198			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED
*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NK–2G2–025–135–JC00
XX–XXX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
G Plug, vertical mount, plated thru hole (PTH)

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
JC #0-80 captive jackscrew *

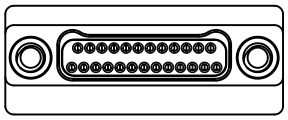
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

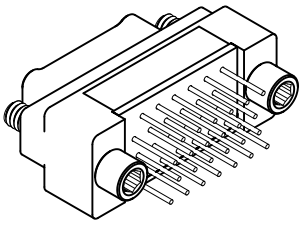
☒ = Option not RoHS compliant

Recommended PC Board Layout

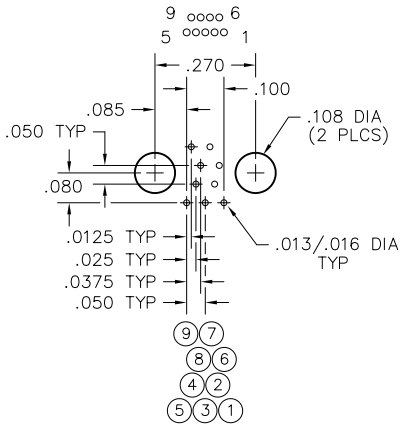
Vertical PTH Plug
with turning hardware
FOR REFERENCE ONLY



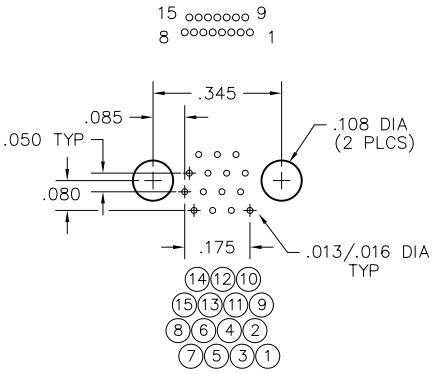
CONNECTOR MATING FACE



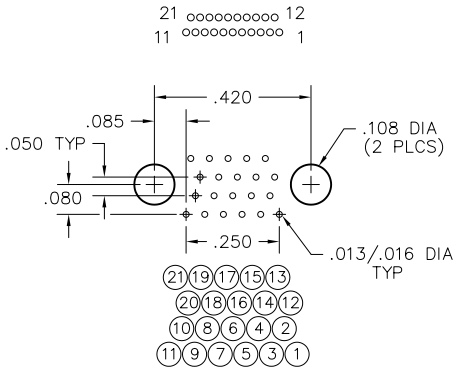
9 POSITION



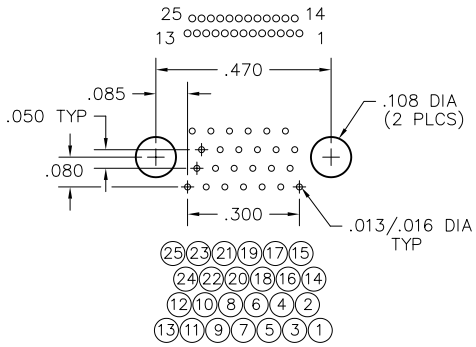
15 POSITION



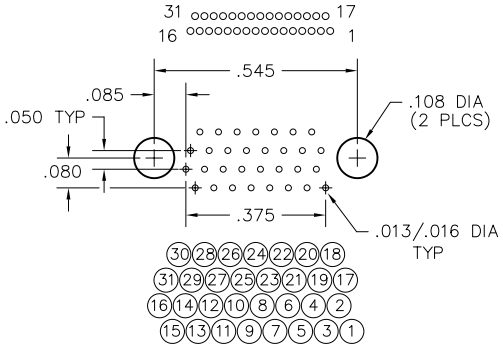
21 POSITION



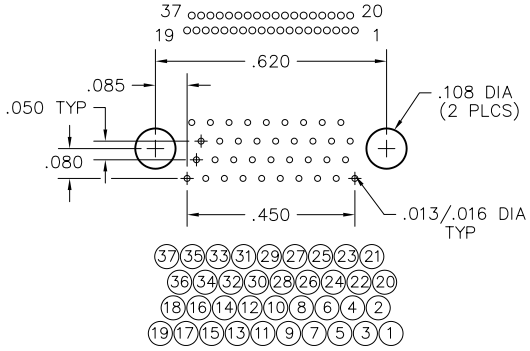
25 POSITION



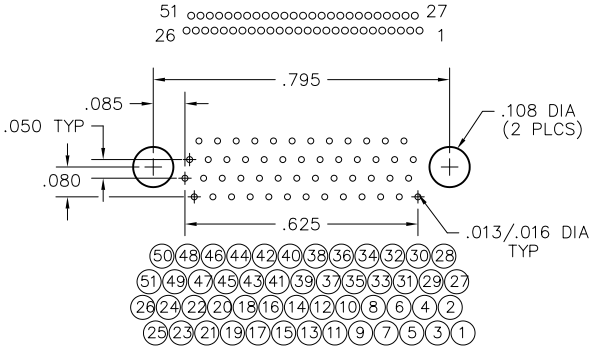
31 POSITION

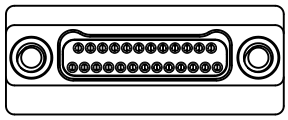


37 POSITION

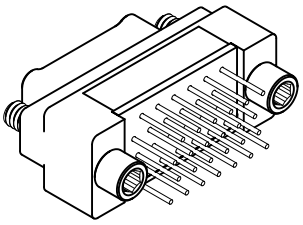


51 POSITION





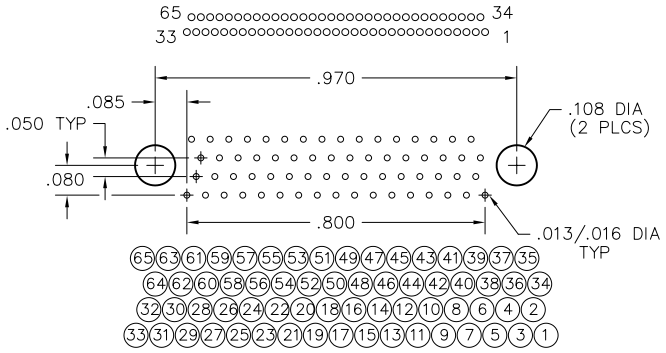
CONNECTOR MATING FACE



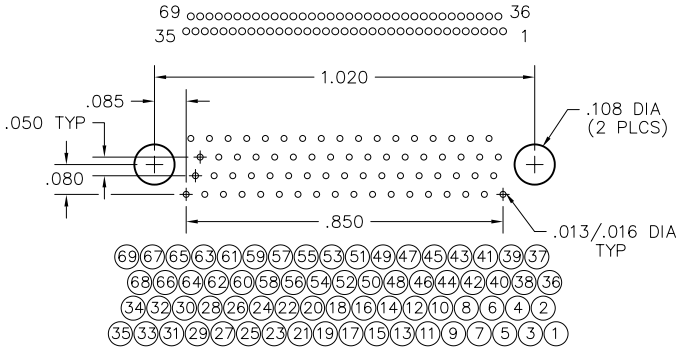
Recommended PC Board Layout

Vertical PTH Plug
with turning hardware
FOR REFERENCE ONLY

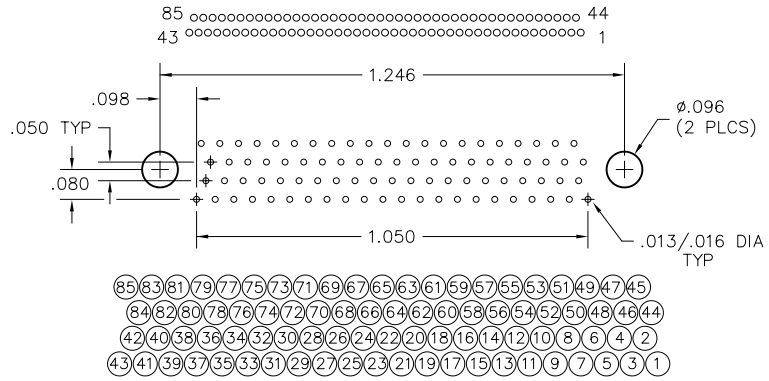
65 POSITION



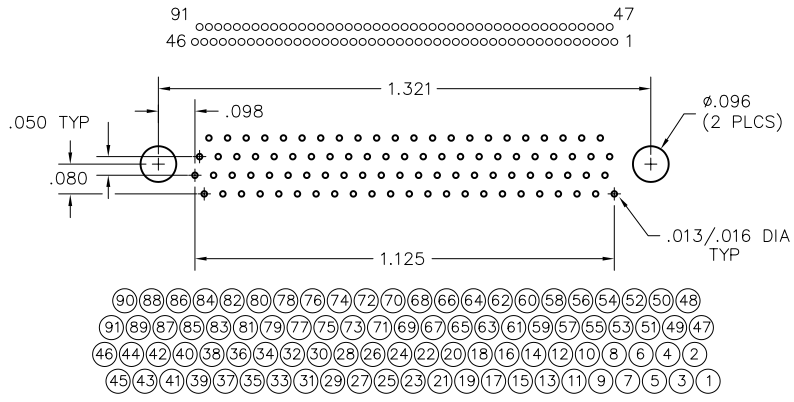
69 POSITION



85 POSITION



91 POSITION



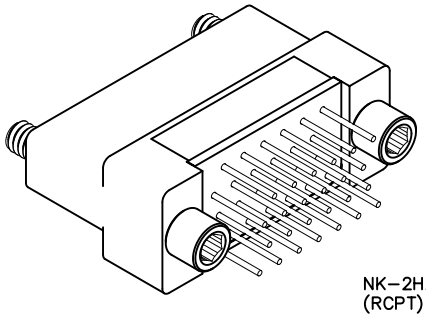
Ask About AirBorn's Accelerated Delivery Service

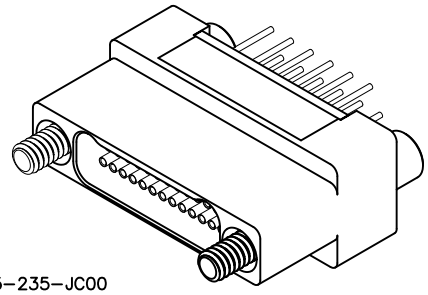
2 ◦ ROW
Vertical PTH Receptacle with Turning Hardware

.025"

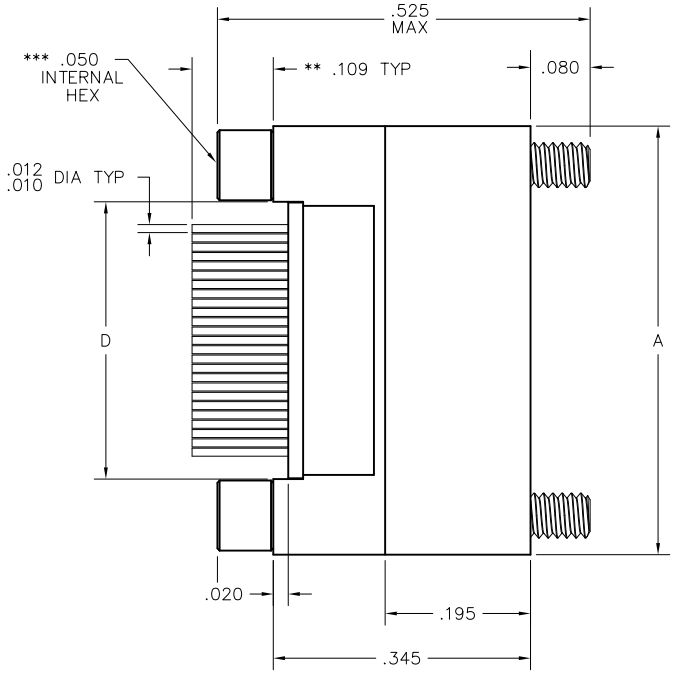
NK

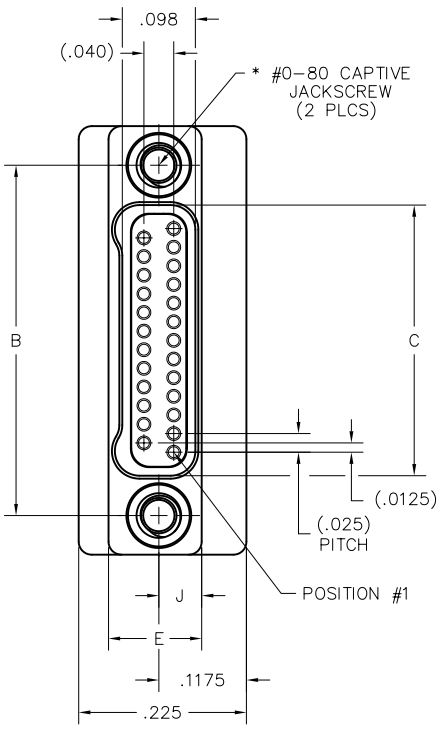
9 thru 91 Contacts



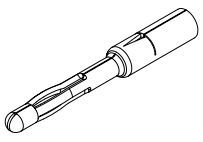


NK–2H2–025–235–JC00
(RCPT)

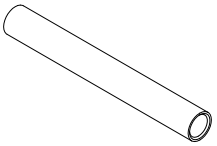




DIMENSIONS							
SIZE	A	B	C	D	E	J	*HARDWARE
9	.375	.270	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.238	.245			
21	.525	.420	.313	.320			
25	.575	.470	.363	.370			
31	.650	.545	.438	.445			
37	.725	.620	.513	.520			
51	.900	.795	.688	.695			
65	1.075	.970	.863	.870			
69	1.125	1.020	.913	.920			
85	1.377	1.246	1.113	1.120	.150	.070	#2–56 THREAD
91	1.452	1.321	1.188	1.197			



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 AND 91 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED
*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NK–2H2–025–235–JC00
XX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
H Receptacle, vertical mount, plated thru hole (PTH)

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, 085 or 091)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
JC #0-80 captive jackscrew *

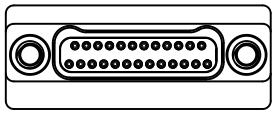
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 and 91 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

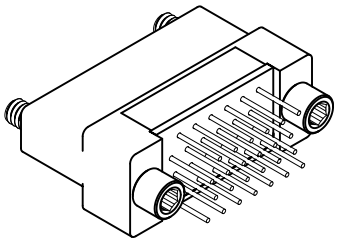
☒ = Option not RoHS compliant

Recommended PC Board Layout

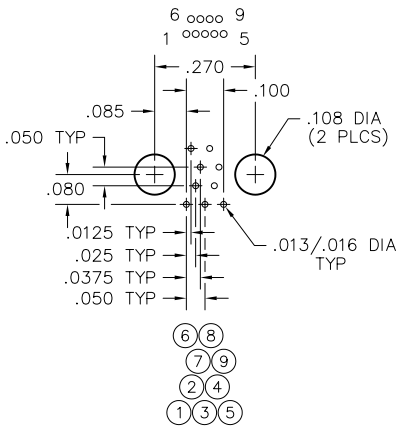
Vertical PTH Receptacle
with turning hardware
FOR REFERENCE ONLY



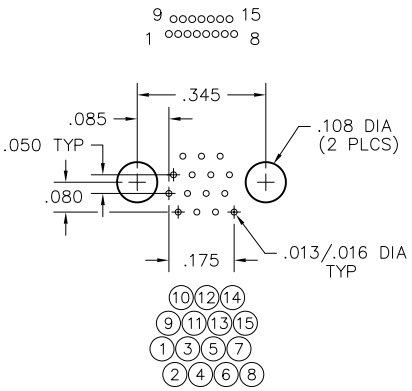
CONNECTOR MATING FACE



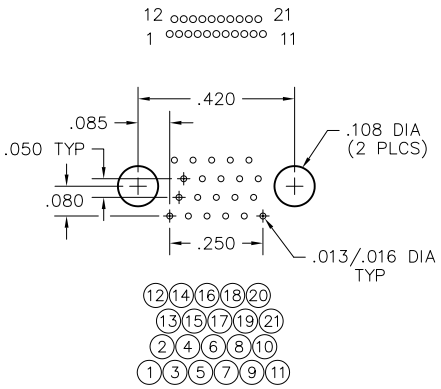
9 POSITION



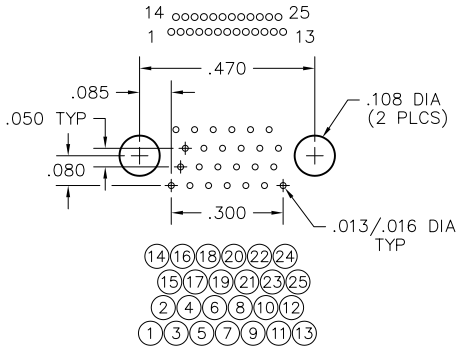
15 POSITION



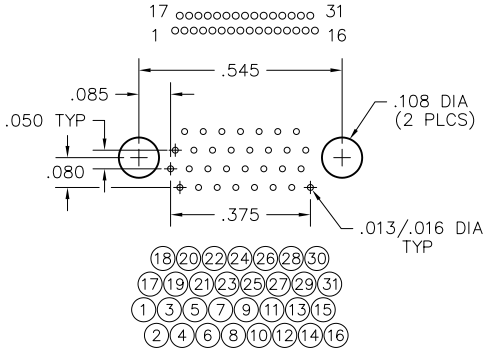
21 POSITION



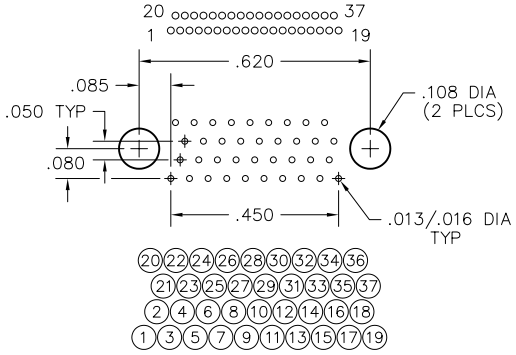
25 POSITION



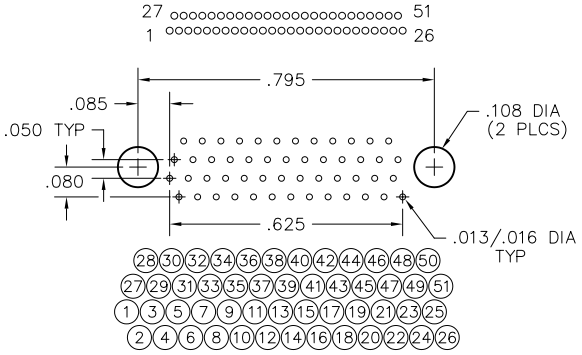
31 POSITION

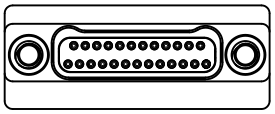


37 POSITION

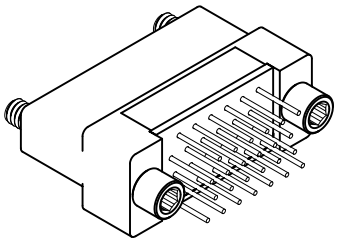


51 POSITION





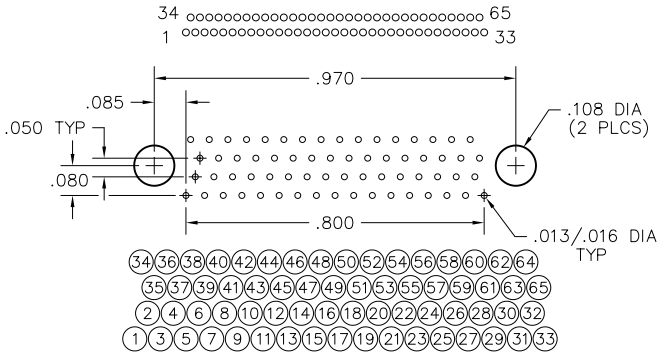
CONNECTOR MATING FACE



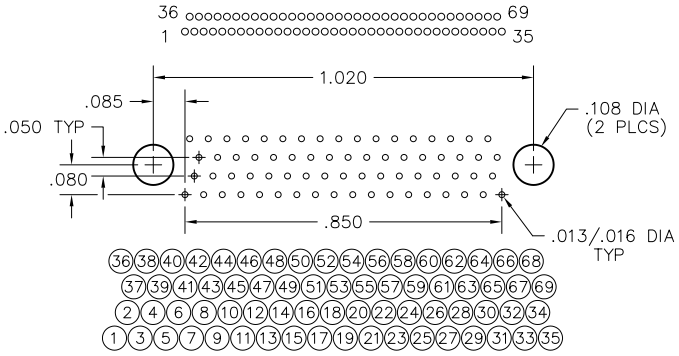
Recommended PC Board Layout

Vertical PTH Receptacle
with turning hardware
FOR REFERENCE ONLY

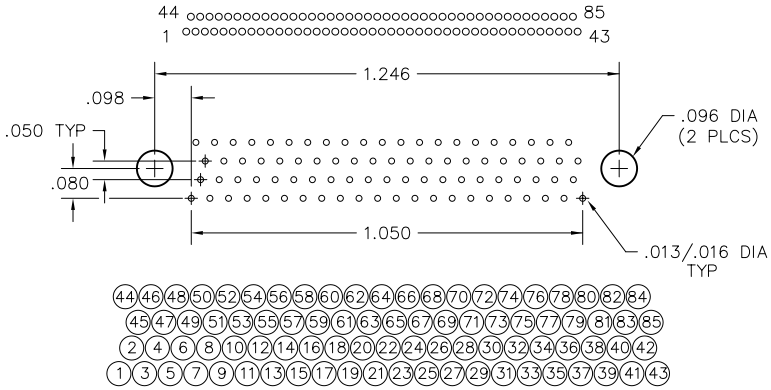
65 POSITION



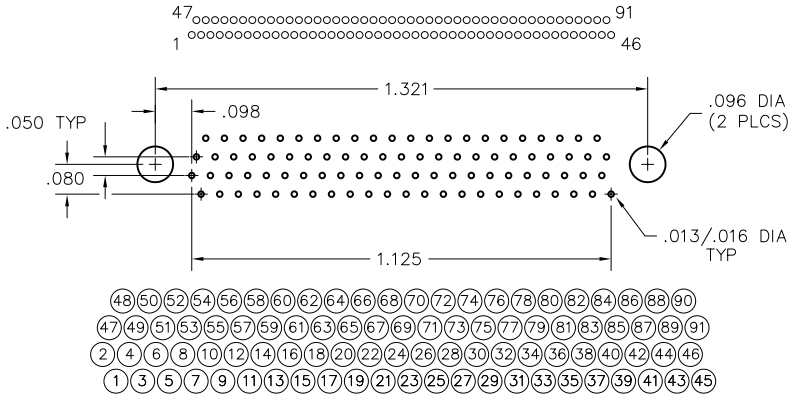
69 POSITION



85 POSITION



91 POSITION



Ask About AirBorn's Accelerated Delivery Service

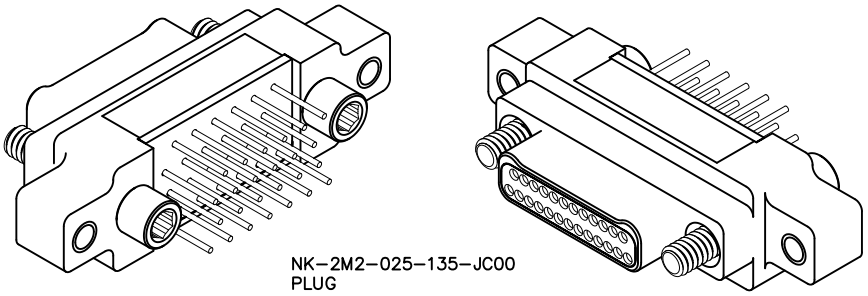
AirBorn

2 ROW
Vertical PTH Plug with Turning Hardware and Mounting Ears

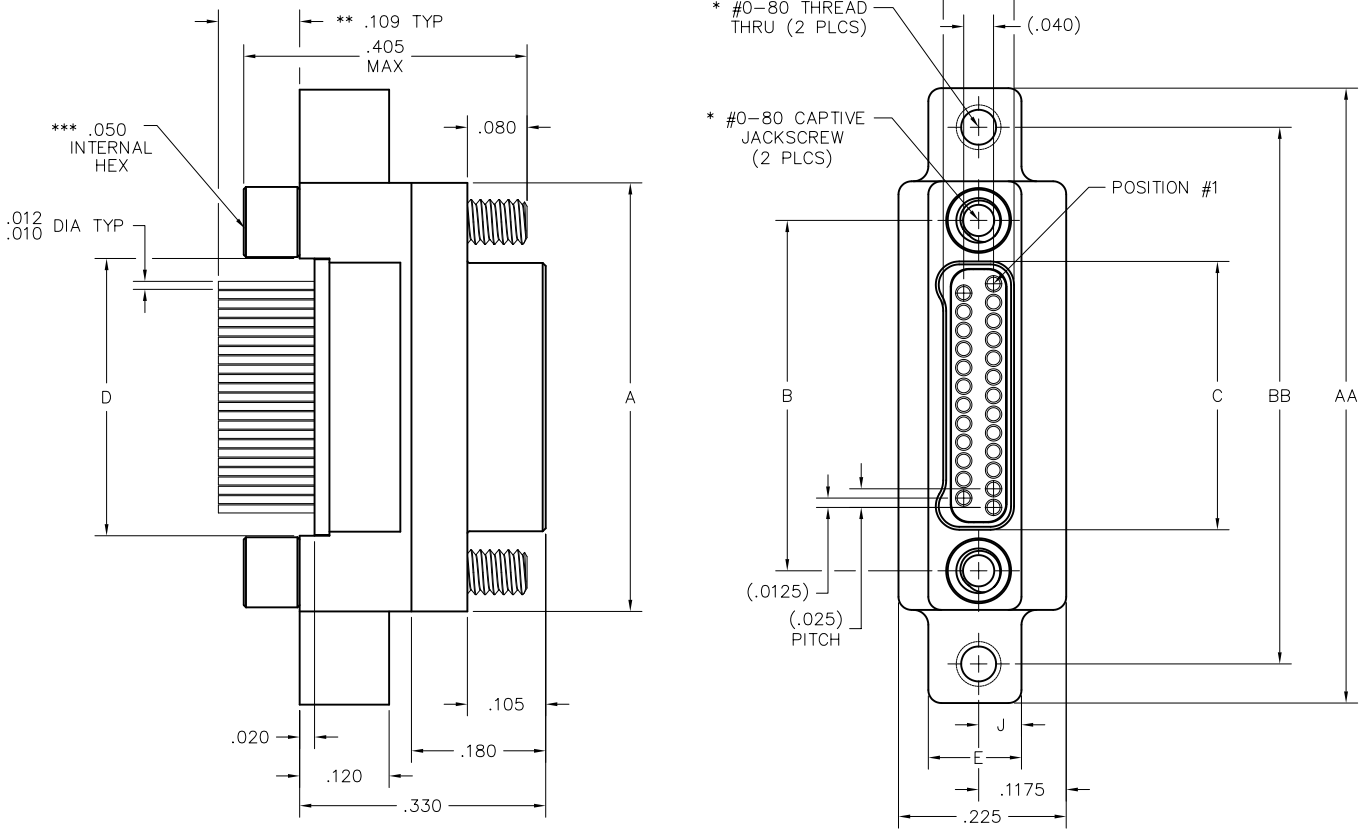
.025"

NK

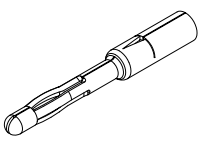
9 thru 85 Contacts



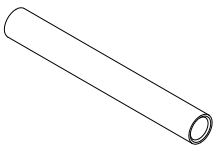
NK–2M2–025–135–JC00
PLUG



DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.160	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.700	.595	.235	.245			
21	.525	.420	.775	.670	.310	.320			
25	.575	.470	.825	.720	.360	.370			
31	.650	.545	.900	.795	.435	.445			
37	.725	.620	.975	.870	.510	.520			
51	.900	.795	1.150	1.045	.685	.695			
65	1.075	.970	1.325	1.220	.860	.870			
69	1.125	1.020	1.375	1.270	.910	.920			
85	1.377	1.246	1.679	1.546	1.110	1.120	.150	.070	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED
*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.

NK–2M2–025–135–JC00
XX–XXX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
M Plug, vertical mount, plated thru hole (PTH) with mounting ears

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
13 Pin, straight, .109"
14 Pin, straight, .140"
15 Pin, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
JC #0-80 captive jackscrew *

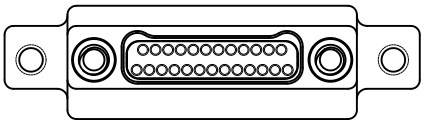
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

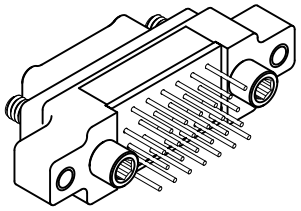
☒ = Option not RoHS compliant

Recommended PC Board Layout

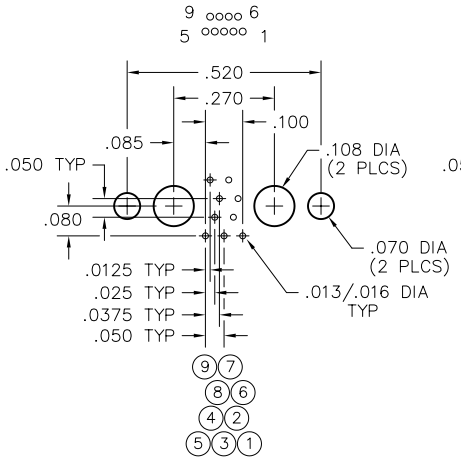
Vertical PTH Plug
with turning hardware
and mounting ears
FOR REFERENCE ONLY



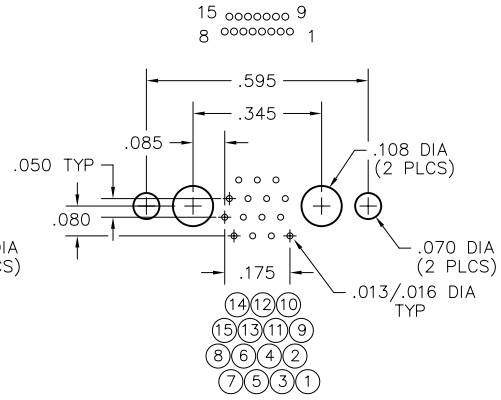
CONNECTOR MATING FACE



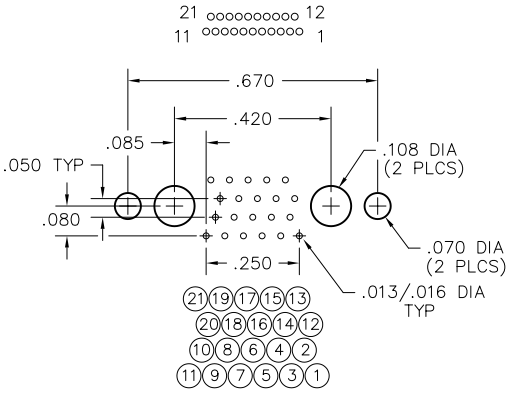
9 POSITION



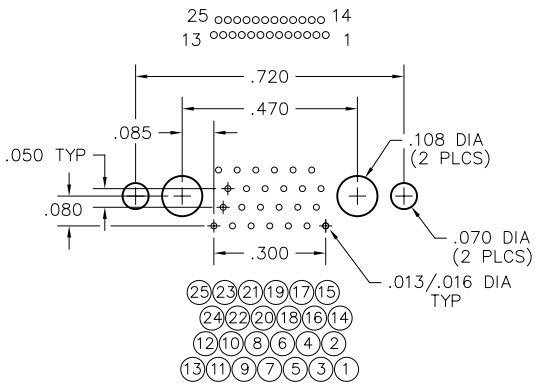
15 POSITION



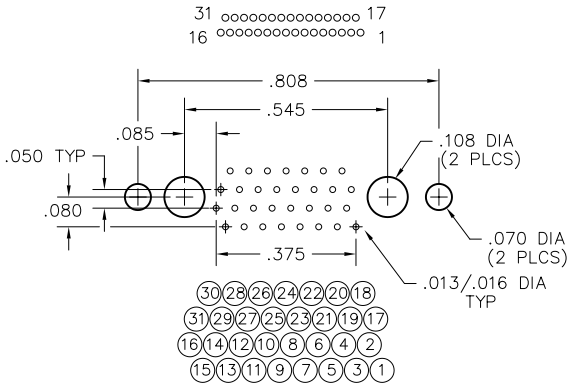
21 POSITION



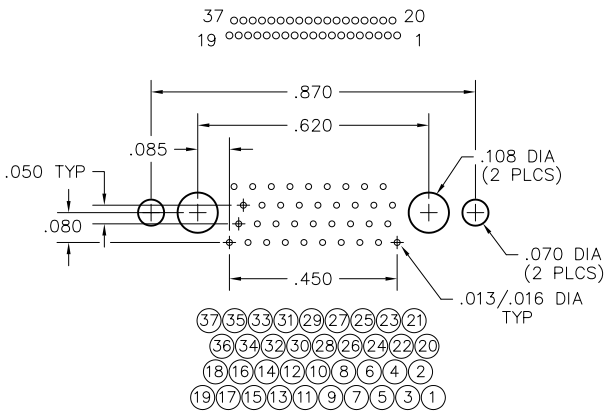
25 POSITION



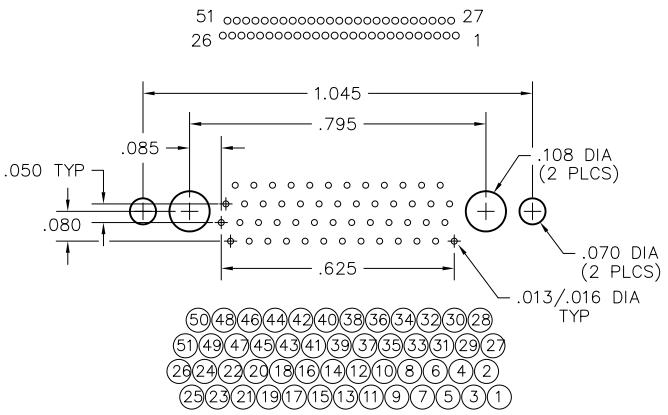
31 POSITION

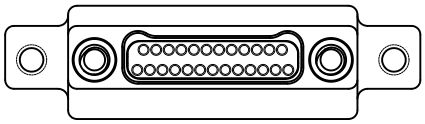


37 POSITION

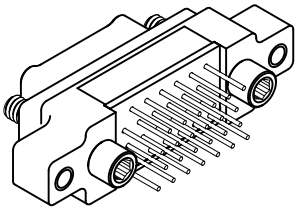


51 POSITION





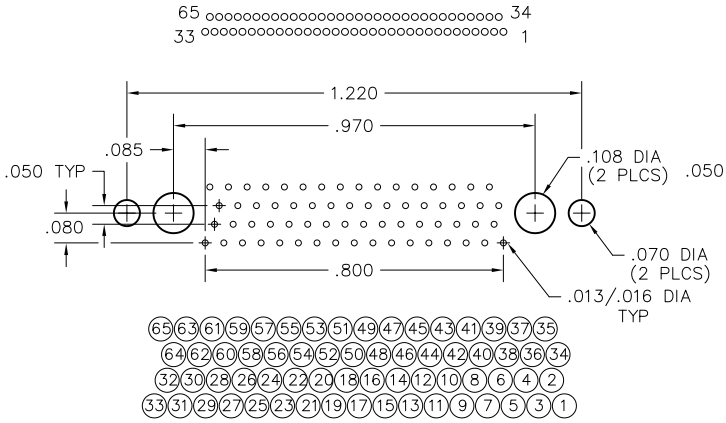
CONNECTOR MATING FACE



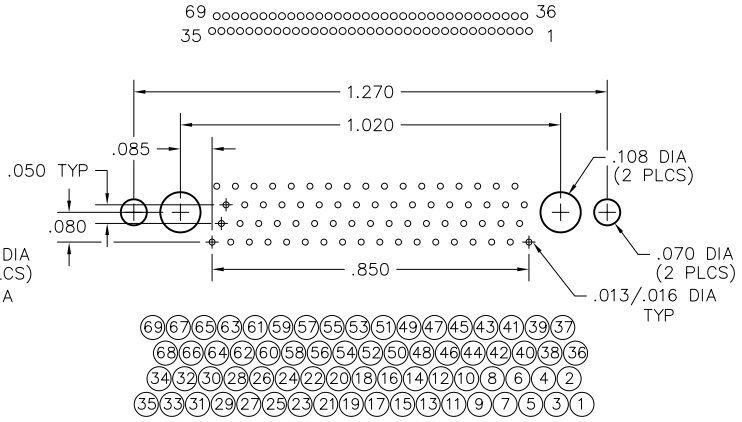
Recommended PC Board Layout

Vertical PTH Plug
with turning hardware
and mounting ears
FOR REFERENCE ONLY

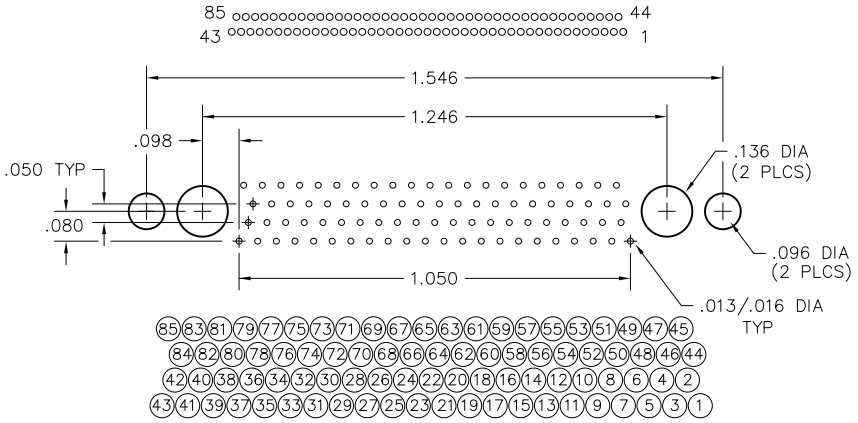
65 POSITION



69 POSITION



85 POSITION

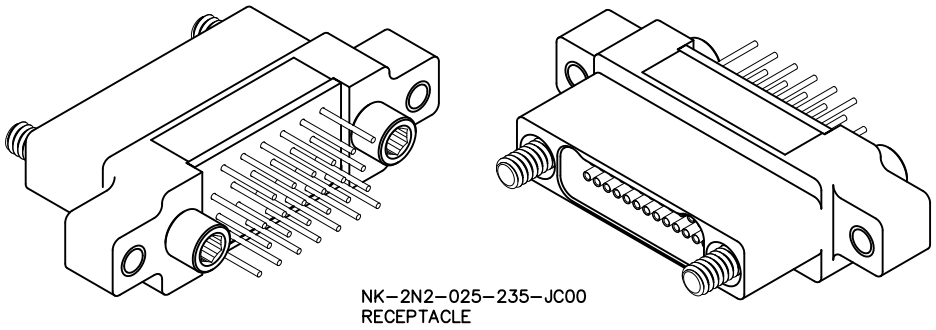


2 ◦ ROW
Vertical PTH Receptacle with Turning Hardware and Mounting Ears

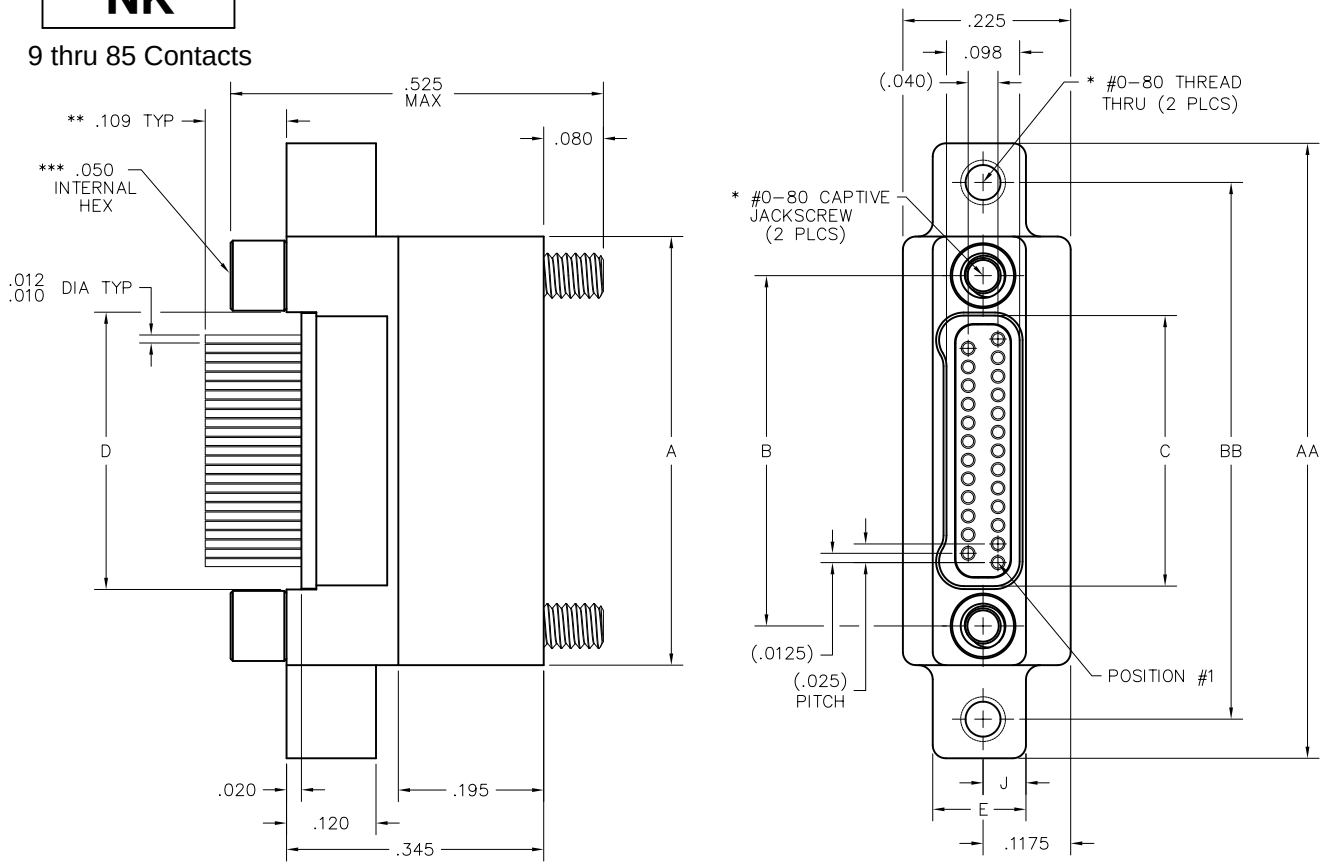
.025"

NK

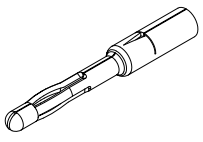
9 thru 85 Contacts



NK–2N2–025–235–JC00
RECEPTACLE

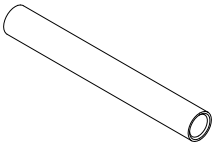


DIMENSIONS									
SIZE	A	B	AA	BB	C	D	E	J	*HARDWARE
9	.375	.270	.625	.520	.163	.170	.125	.0575	#0–80 THREAD
15	.450	.345	.700	.595	.238	.245			
21	.525	.420	.775	.670	.313	.320			
25	.575	.470	.825	.720	.363	.370			
31	.650	.545	.900	.795	.438	.445			
37	.725	.620	.975	.870	.513	.520			
51	.900	.795	1.150	1.045	.688	.695			
65	1.075	.970	1.325	1.220	.863	.870			
69	1.125	1.020	1.375	1.270	.913	.920			
85	1.377	1.246	1.679	1.546	1.113	1.120	.150	.070	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = OTHER LENGTHS AS REQUIRED
*** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.



SOCKET CONTACT
DRAWN TUBE, CRIMP

NK–2N2–025–235–JC00
XX–XXX–XXX–XXX–XXXX

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
N Receptacle, vertical mount, plated thru hole (PTH) with mounting ears

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
23 Socket, straight, .109"
24 Socket, straight, .140"
25 Socket, straight, .172"

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
JC #0-80 captive jackscrew *

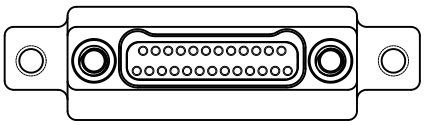
WIRING OPTIONS:
00 None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

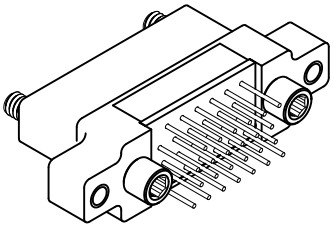
☒ = Option not RoHS compliant

Recommended PC Board Layout

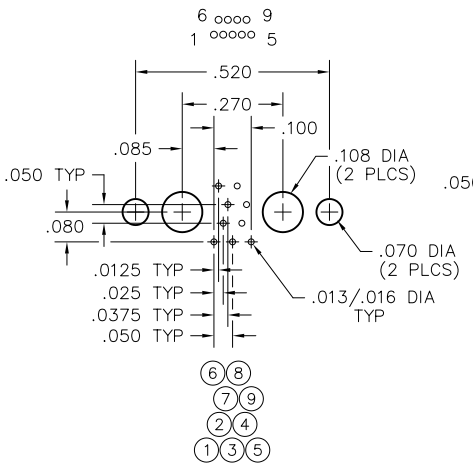
Vertical PTH Receptacle
with turning hardware
and mounting ears
FOR REFERENCE ONLY



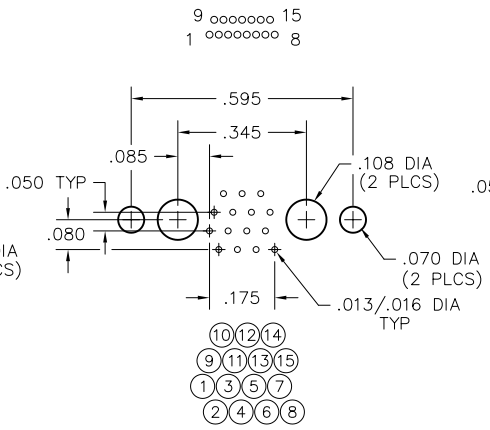
CONNECTOR MATING FACE



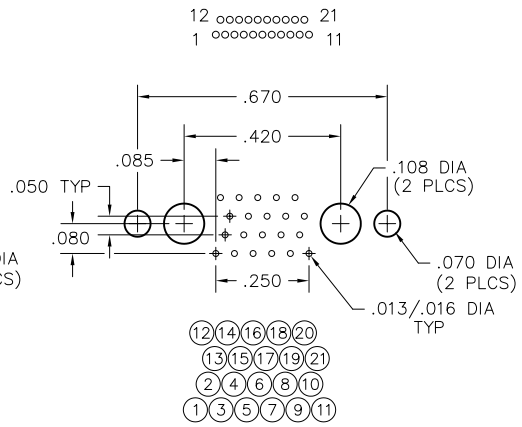
9 POSITION



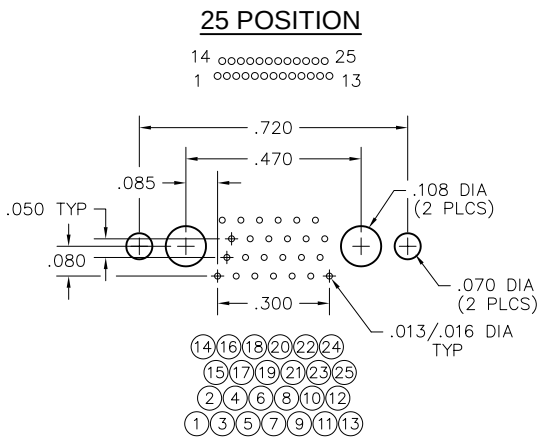
15 POSITION



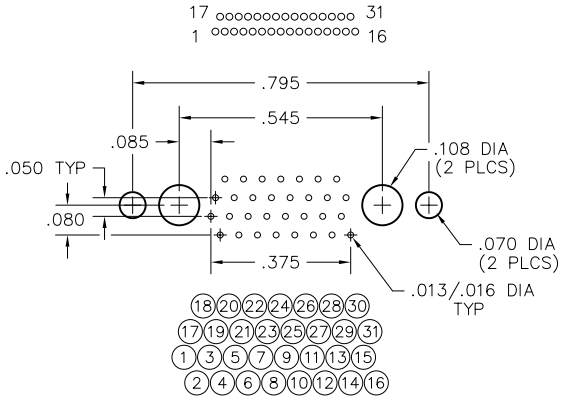
21 POSITION



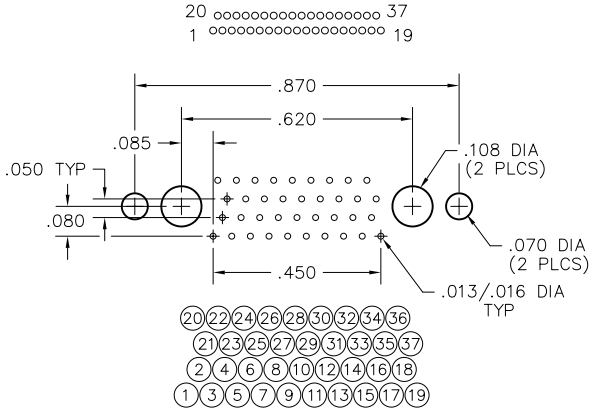
25 POSITION



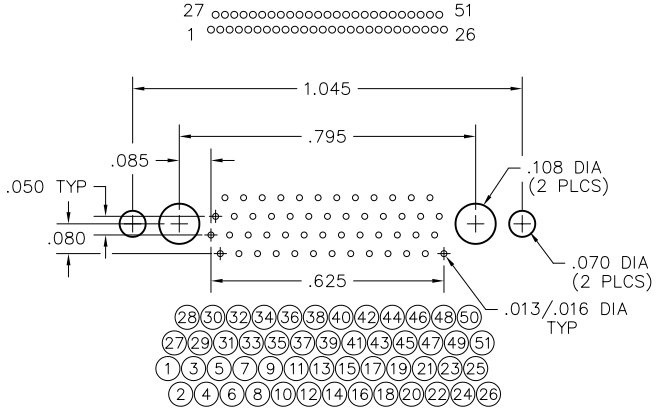
31 POSITION

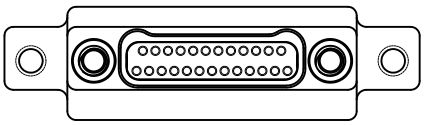


37 POSITION

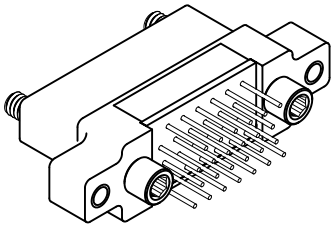


51 POSITION





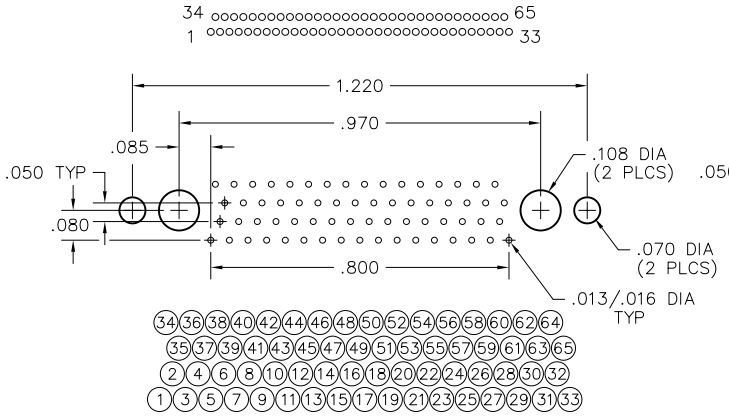
CONNECTOR MATING FACE



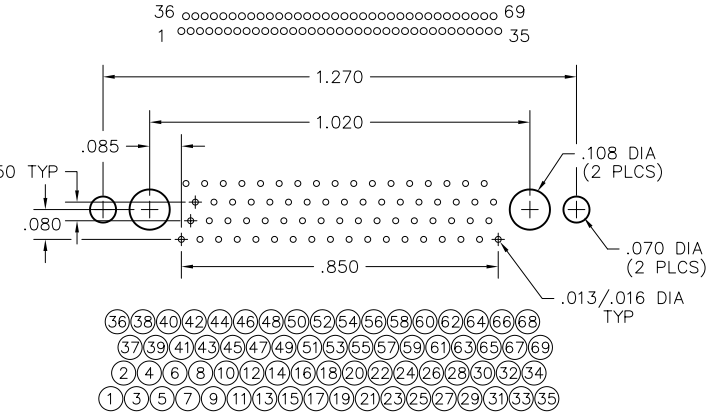
Recommended PC Board Layout

Vertical PTH Receptacle
with turning hardware
and mounting ears
FOR REFERENCE ONLY

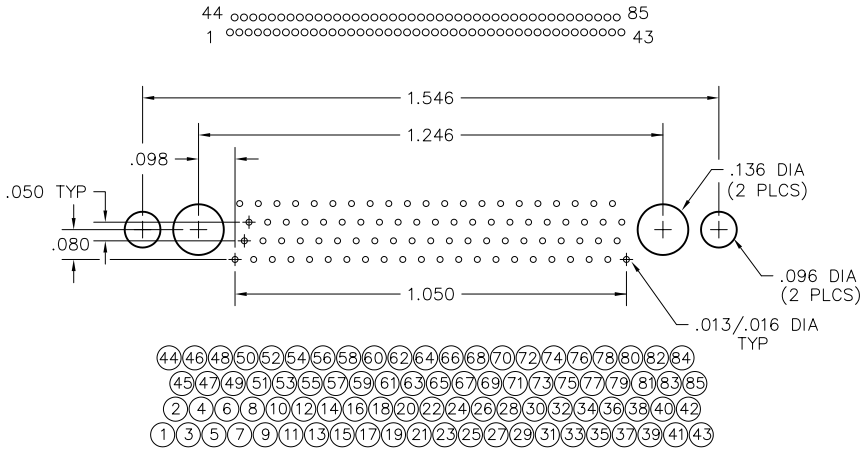
65 POSITION



69 POSITION



85 POSITION



AirBorn

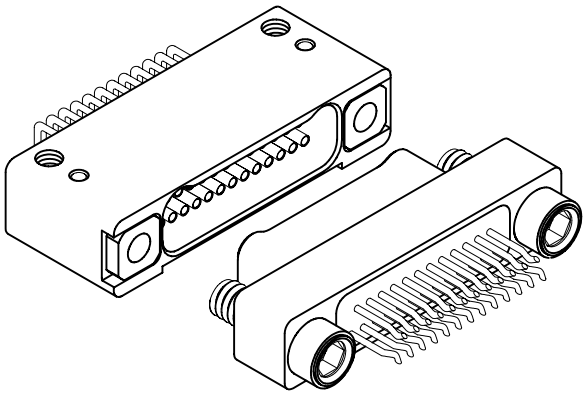
2 · ROW
FLEX TO BOARD

.025"

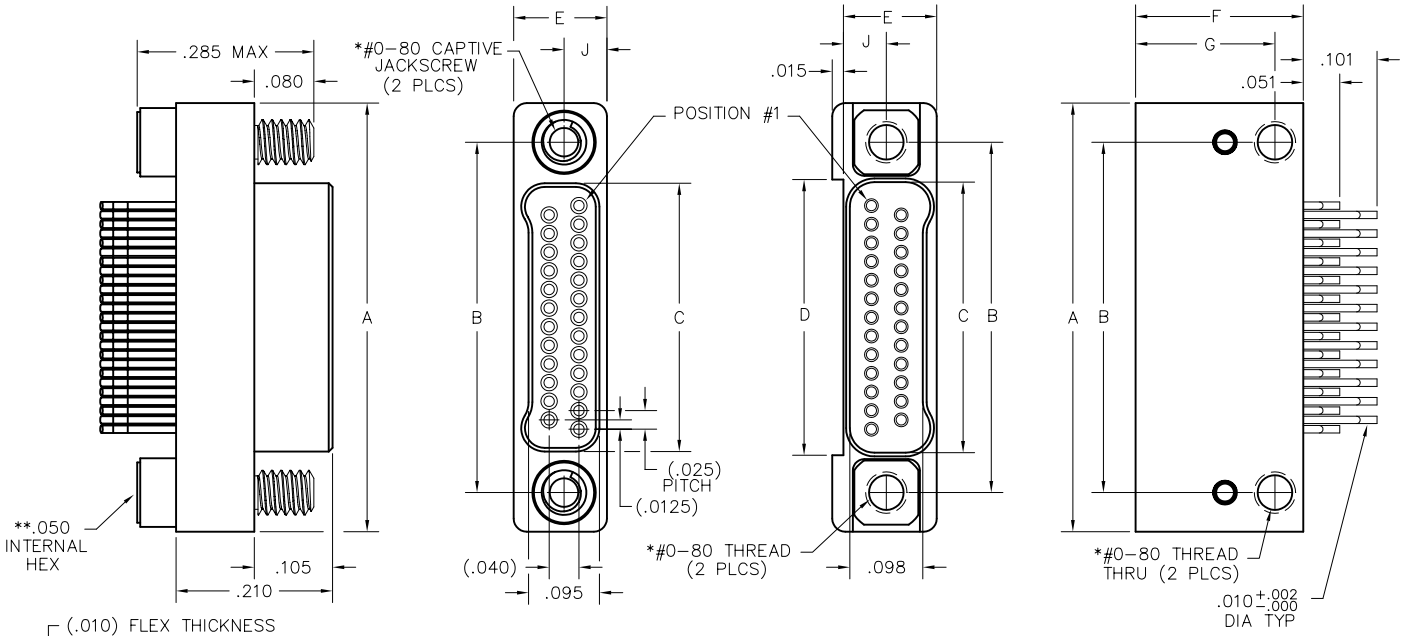
NM, NK

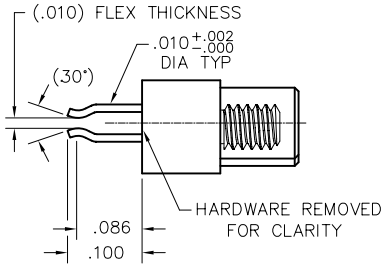
9 thru 85 Contacts

NK–2D2–025–225–TH00
(METAL)



NM–212–025–125–JC00
(METAL)

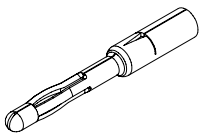




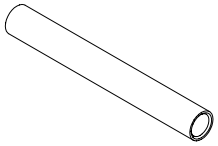
PLUG

RECEPTACLE

DIMENSIONS										
SIZE	A	B	C		D	E	F	G	J	*HARDWARE
			PLUG	RCPT						
9	.375	.270	.160	.163	.170	.125	.225	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150	.270	.210	.0700	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NM–212–025–125–JC00
RECEPTACLE: NK–2D2–025–225–TH00
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NM	.025" Metal Straddle Mount Flex Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	D	Receptacle, horizontal mount SMT
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, straddle SMT	22	Socket, SMT
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	00	None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

Ask About AirBorn's Accelerated Delivery Service

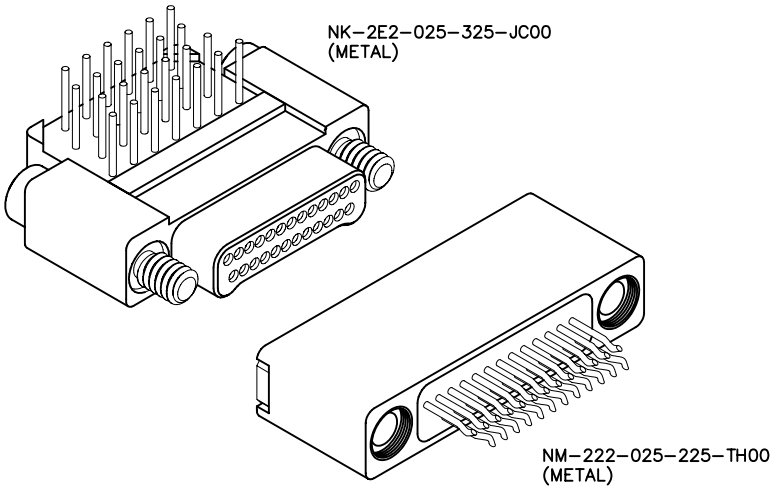
AirBorn

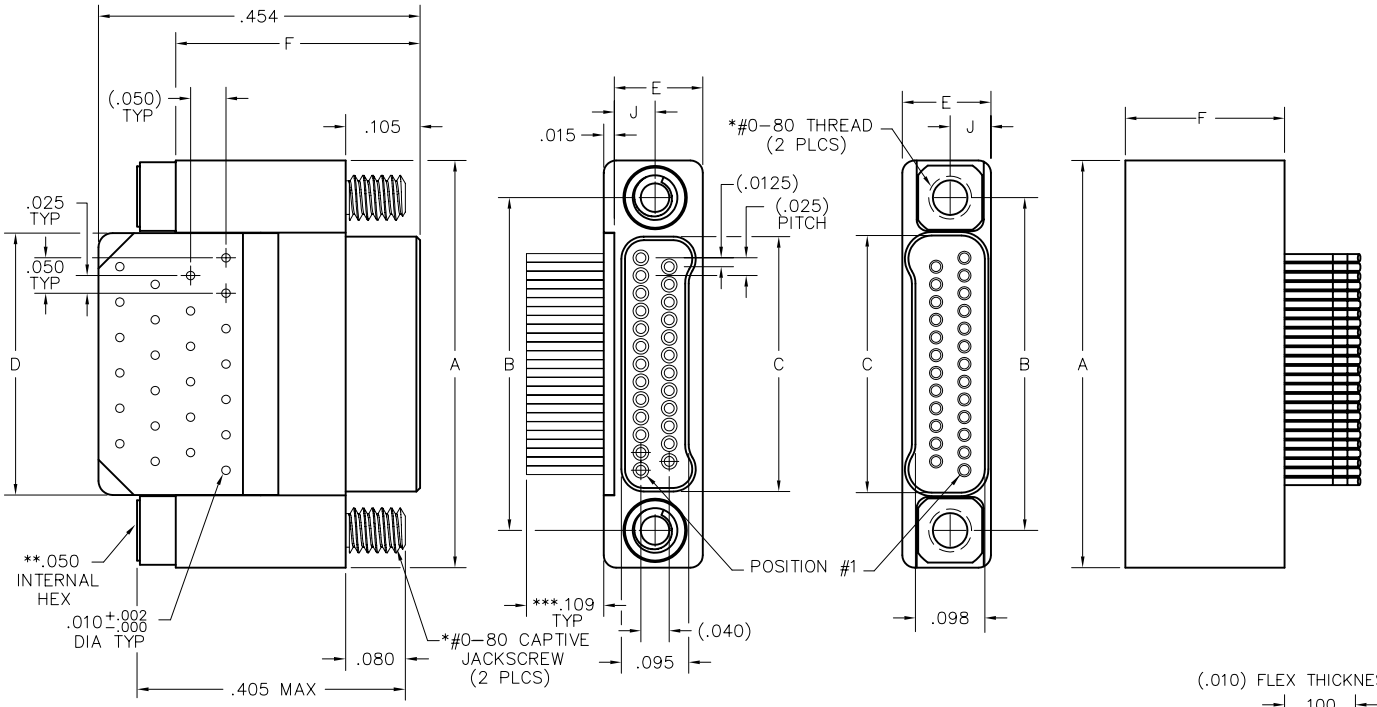
2 · ROW FLEX TO BOARD

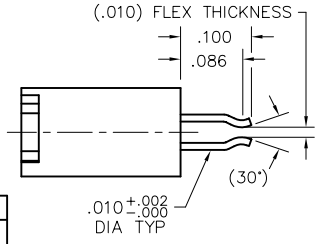
.025"

NM, NK

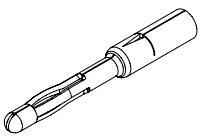
9 thru 85 Contacts



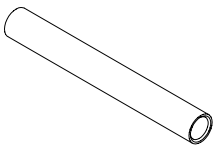




DIMENSIONS									
SIZE	A	B	C		D	E	F		J	*HARDWARE
			PLUG	RCPT			PLUG	RCPT		
9	.375	.270	.160	.163	.170	.125	.330	.225	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245					
21	.525	.420	.310	.313	.320					
25	.575	.470	.360	.363	.370					
31	.650	.545	.435	.438	.445					
37	.725	.620	.510	.513	.520					
51	.900	.795	.685	.688	.695					
65	1.075	.970	.860	.863	.870					
69	1.125	1.020	.910	.913	.920					
85	1.377	1.246	1.110	1.113	1.120	.150			.0700	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK–2E2–025–325–JC00
RECEPTACLE: NM–222–025–225–TH00
XX–XXX–XXX–XXX–XXXX

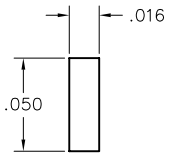
PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NM	.025" Metal Straddle Mount Flex Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
E	Plug, right angle, plated thru hole (PTH)	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
32	Pin, right angle, .109"	22	Socket, straddle SMT
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	00	None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

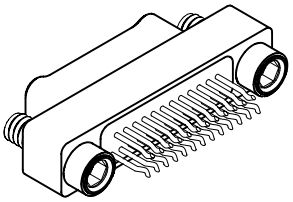
☒ = Option not RoHS compliant

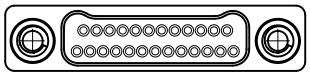
Recommended Flex Circuit Layout

Straddle Mount Flex Plug
FOR REFERENCE ONLY



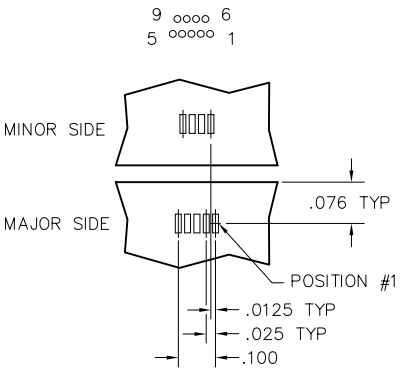
FOOTPRINT / PAD CONFIGURATION



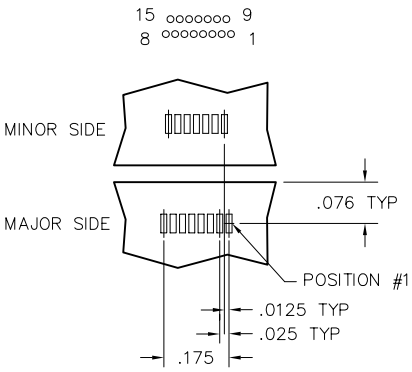


CONNECTOR MATING FACE

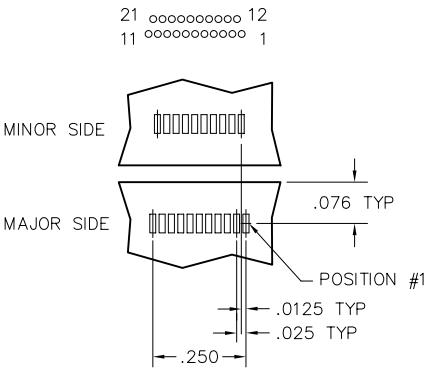
9 POSITION



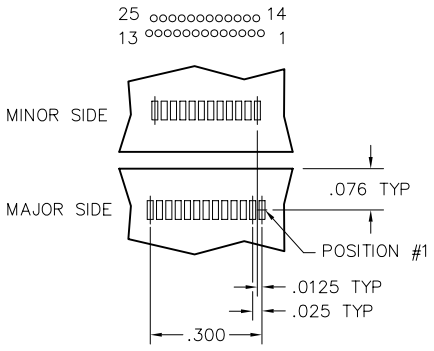
15 POSITION



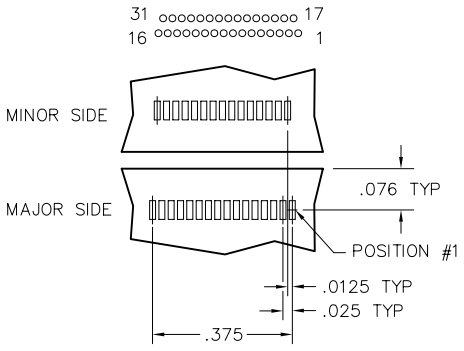
21 POSITION



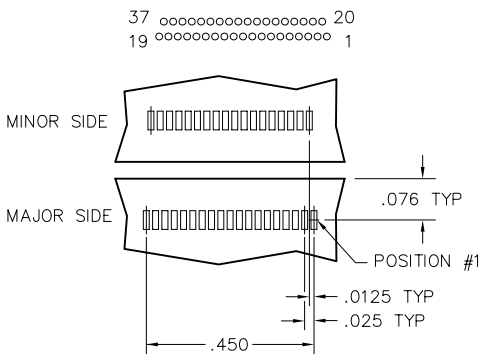
25 POSITION



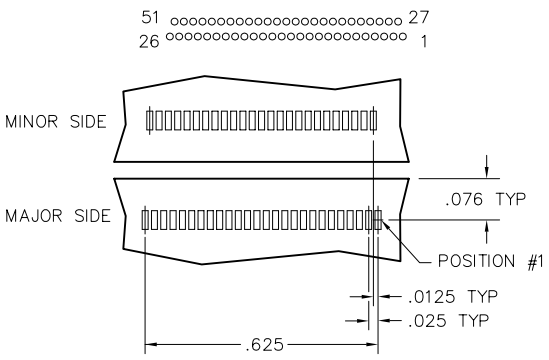
31 POSITION

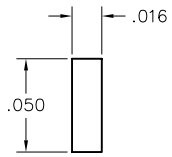


37 POSITION

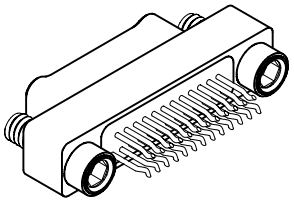


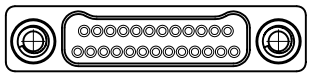
51 POSITION





FOOTPRINT / PAD CONFIGURATION





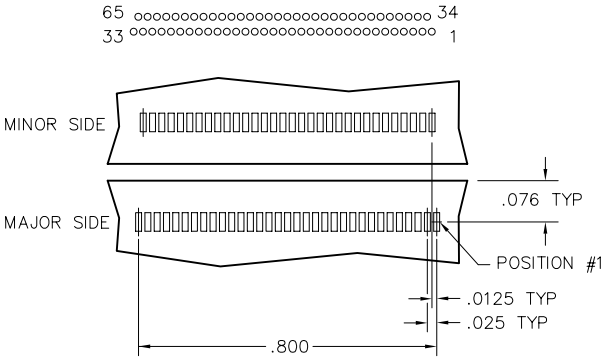
CONNECTOR MATING FACE

Recommended Flex Circuit Layout

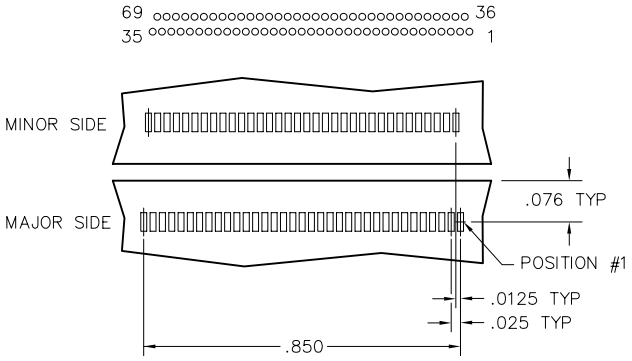
Straddle Mount Flex Plug

FOR REFERENCE ONLY

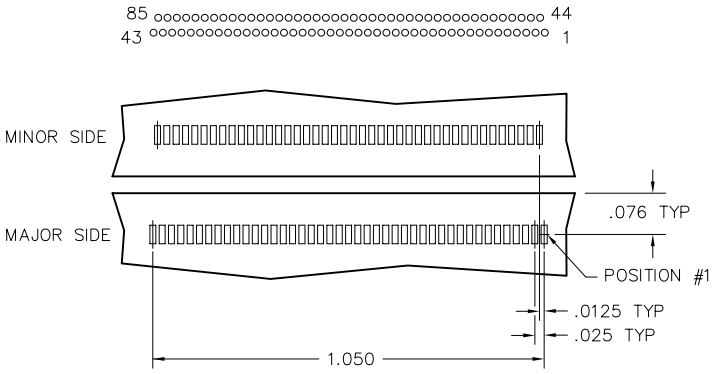
65 POSITION



69 POSITION



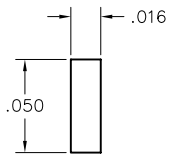
85 POSITION



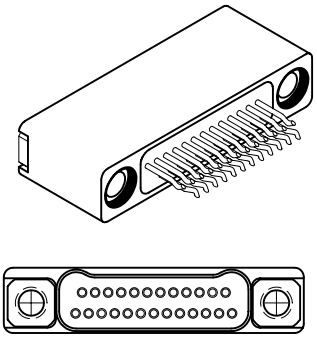
Recommended Flex Circuit Layout

Straddle Mount Flex Receptacle

FOR REFERENCE ONLY

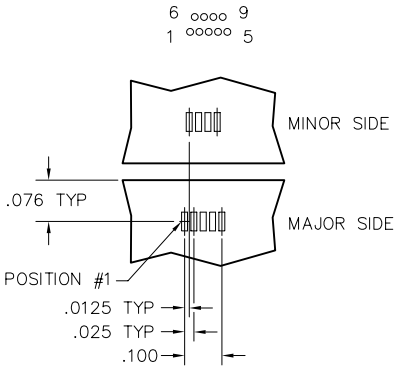


FOOTPRINT / PAD CONFIGURATION

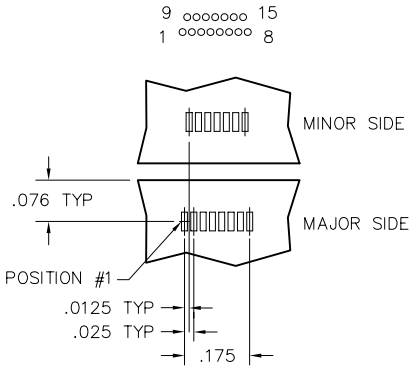


CONNECTOR MATING FACE

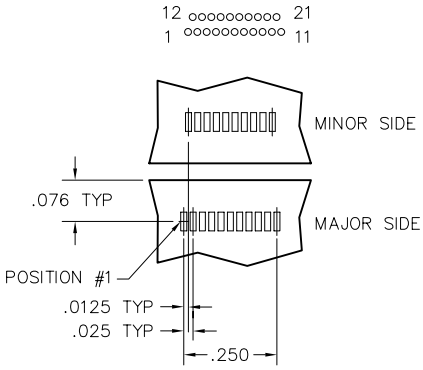
9 POSITION



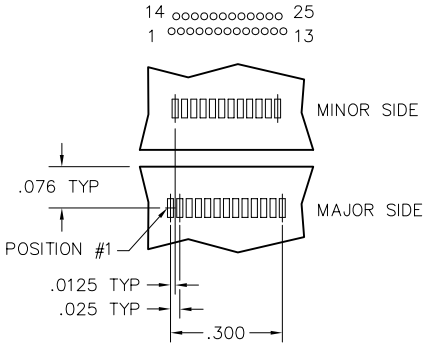
15 POSITION



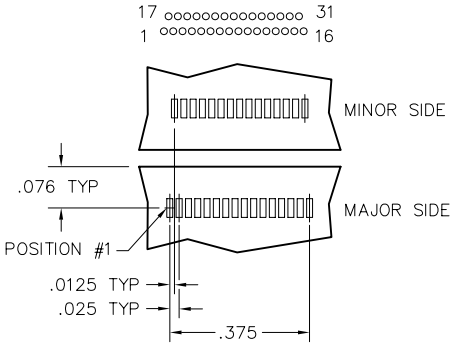
21 POSITION



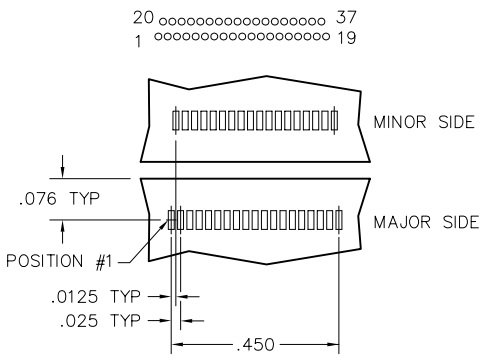
25 POSITION



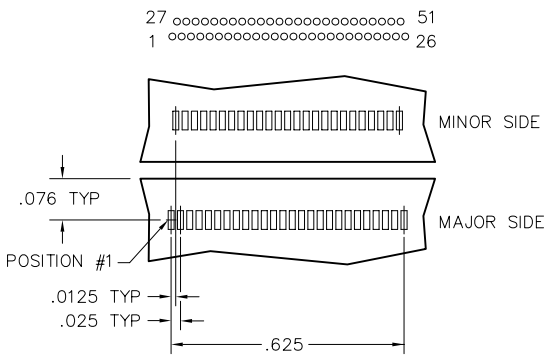
31 POSITION

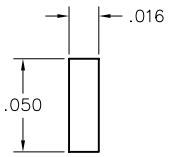


37 POSITION

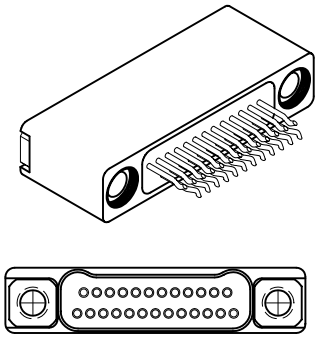


51 POSITION





FOOTPRINT / PAD
CONFIGURATION

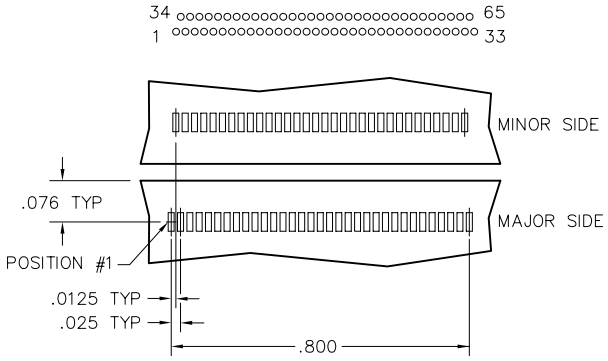


CONNECTOR MATING FACE

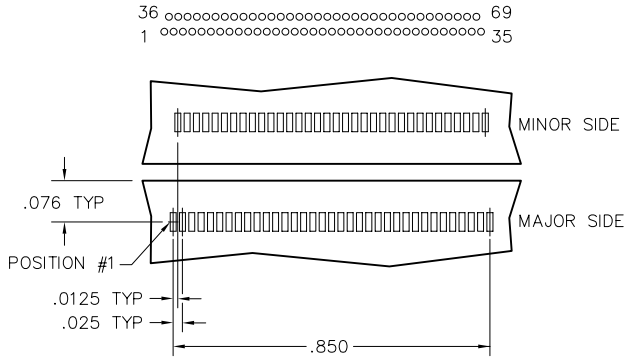
Recommended Flex Circuit Layout

Straddle Mount Flex Receptacle
FOR REFERENCE ONLY

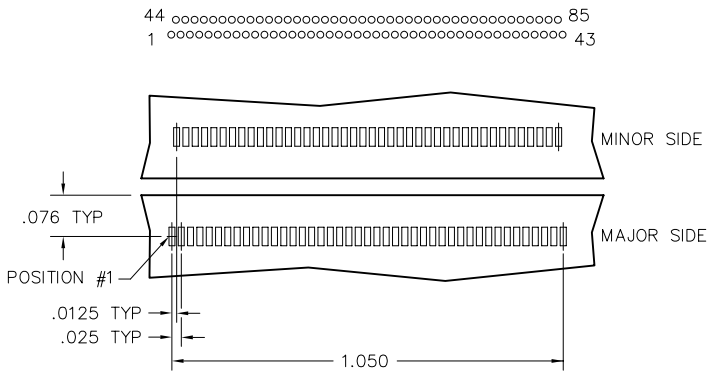
65 POSITION



69 POSITION



85 POSITION

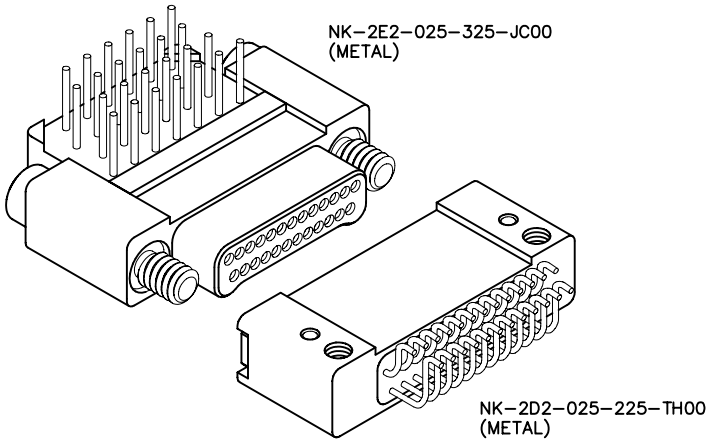


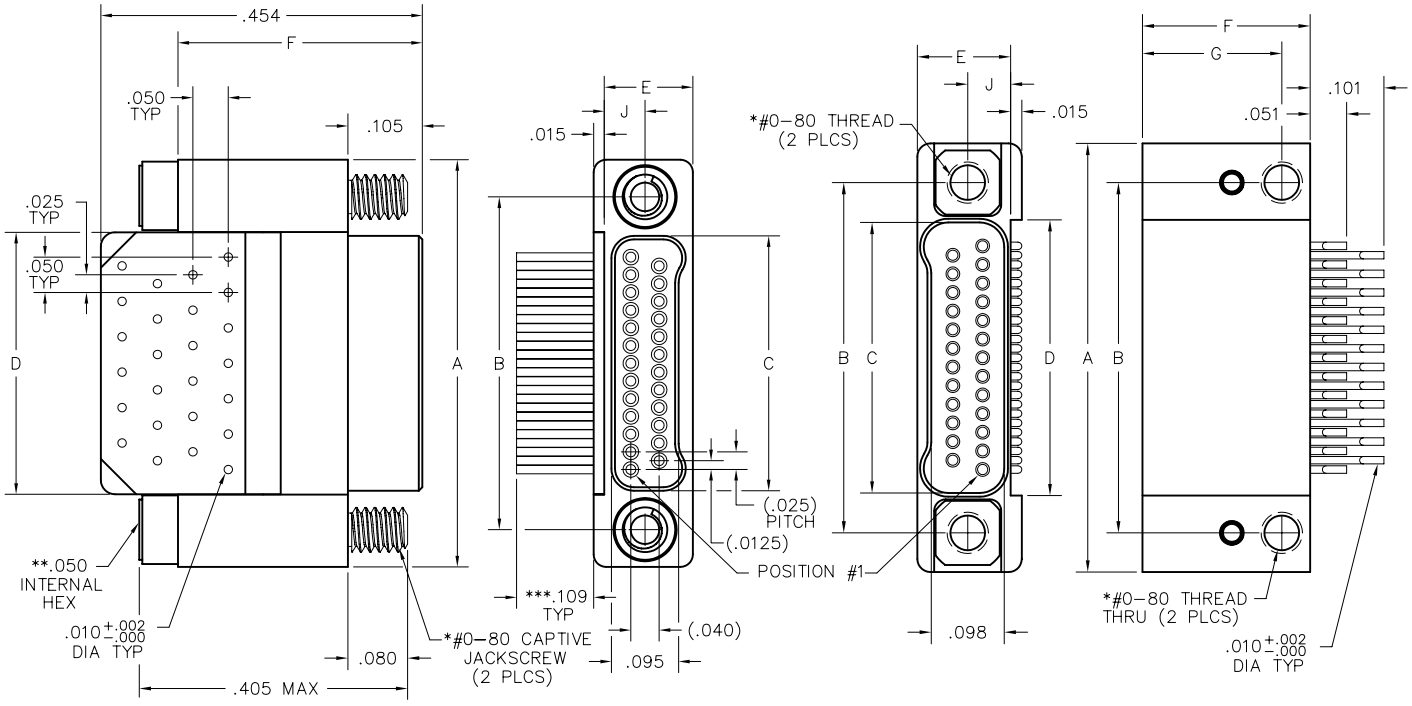
AirBorn

2 · ROW
Flex to Board
.025"

NK, NK

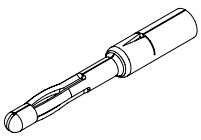
9 thru 85 Contacts



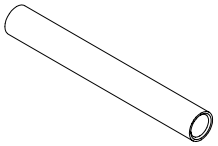


PLUG RECEPTACLE

DIMENSIONS											
SIZE	A	B	C		D	E	F		G	J	*HARDWARE
			PLUG	RCPT			PLUG	RCPT			
9	.375	.270	.160	.163	.170	.125	.330	.225	.187	.0575	#0–80 THREAD
15	.450	.345	.235	.238	.245						
21	.525	.420	.310	.313	.320						
25	.575	.470	.360	.363	.370						
31	.650	.545	.435	.438	.445						
37	.725	.620	.510	.513	.520						
51	.900	.795	.685	.688	.695						
65	1.075	.970	.860	.863	.870						
69	1.125	1.020	.910	.913	.920						
85	1.377	1.246	1.110	1.113	1.120	.150		.270	.210	.0700	#2–56 THREAD



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENT TAKEN ACROSS THE FLATS.
*** = OTHER LENGTHS AS REQUIRED

PLUG: NK–2E2–025–325–JC00
RECEPTACLE: NK–2D2–025–225–TH00
XX–XXX–XXX–XXX–XXXX

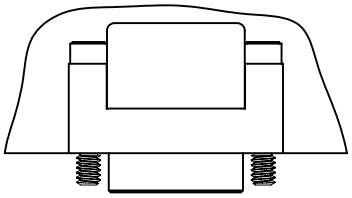
PLUG		RECEPTACLE	
SERIES			
NK	.025" Metal PC Board Mounted Connector	NK	.025" Metal PC Board Mounted Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
E	Plug, right angle, plated thru hole (PTH)	D	Receptacle, horizontal mount SMT
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
32	Pin, right angle, .109"	22	Socket, SMT
33	Pin, right angle, .140"		
34	Pin, right angle, .172"		
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	None
JC	Turning jackscrews, captivated #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	00	None

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

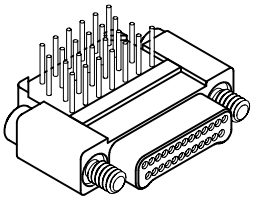
☒ = Option not RoHS compliant

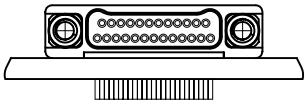
Recommended Flex Circuit Layout

Right Angle Flex Mount PTH Plug
FOR REFERENCE ONLY



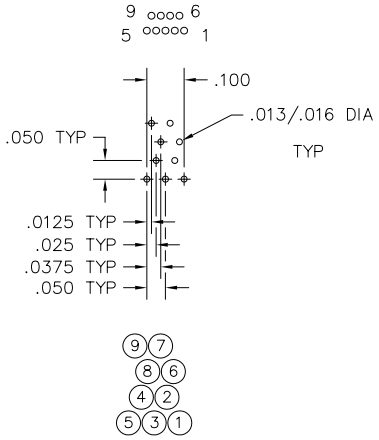
FLEX CIRCUIT LAYOUT
COMPONENT SIDE



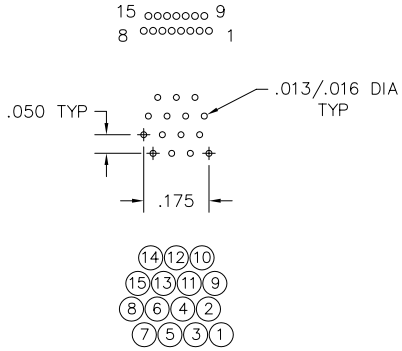


CONNECTOR MATING FACE

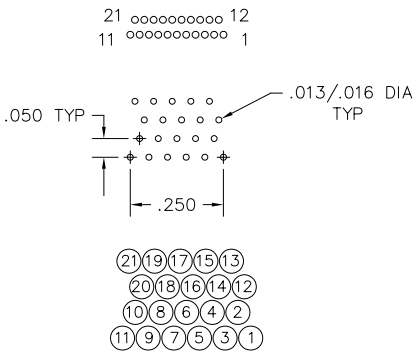
9 POSITION



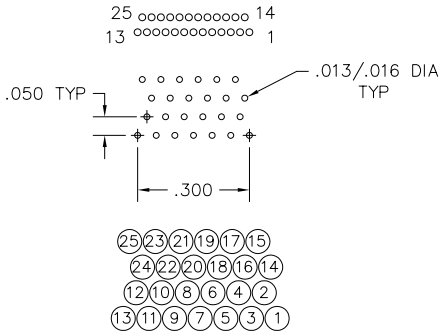
15 POSITION



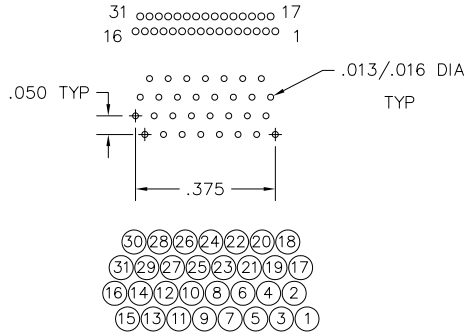
21 POSITION



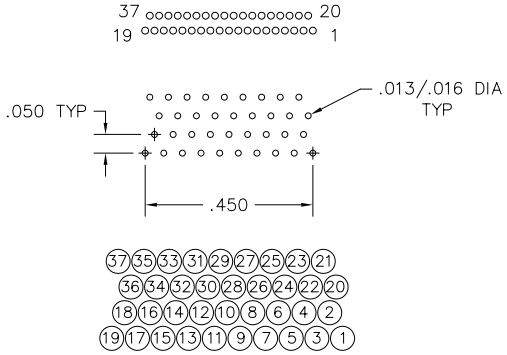
25 POSITION



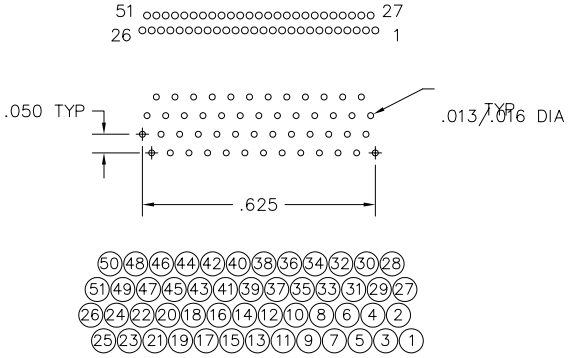
31 POSITION



37 POSITION



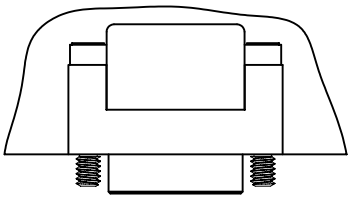
51 POSITION



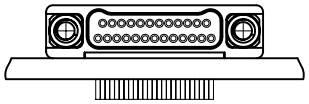
Recommended Flex Circuit Layout

Right Angle Flex Mount PTH Plug

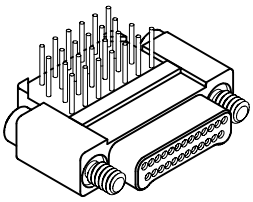
FOR REFERENCE ONLY



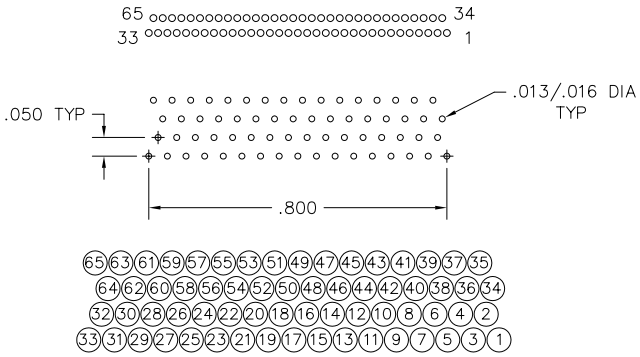
FLEX CIRCUIT LAYOUT
COMPONENT SIDE



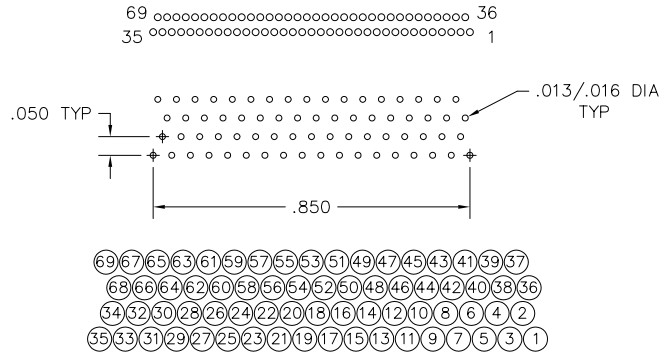
CONNECTOR MATING FACE



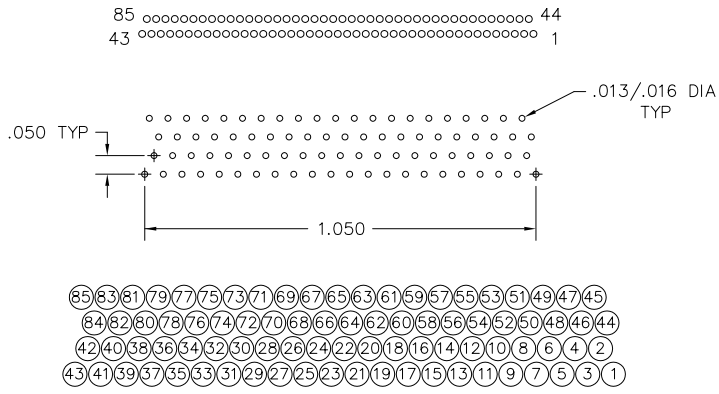
65 POSITION



69 POSITION



85 POSITION

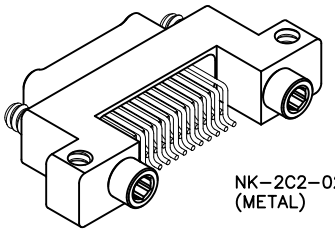


AirBorn

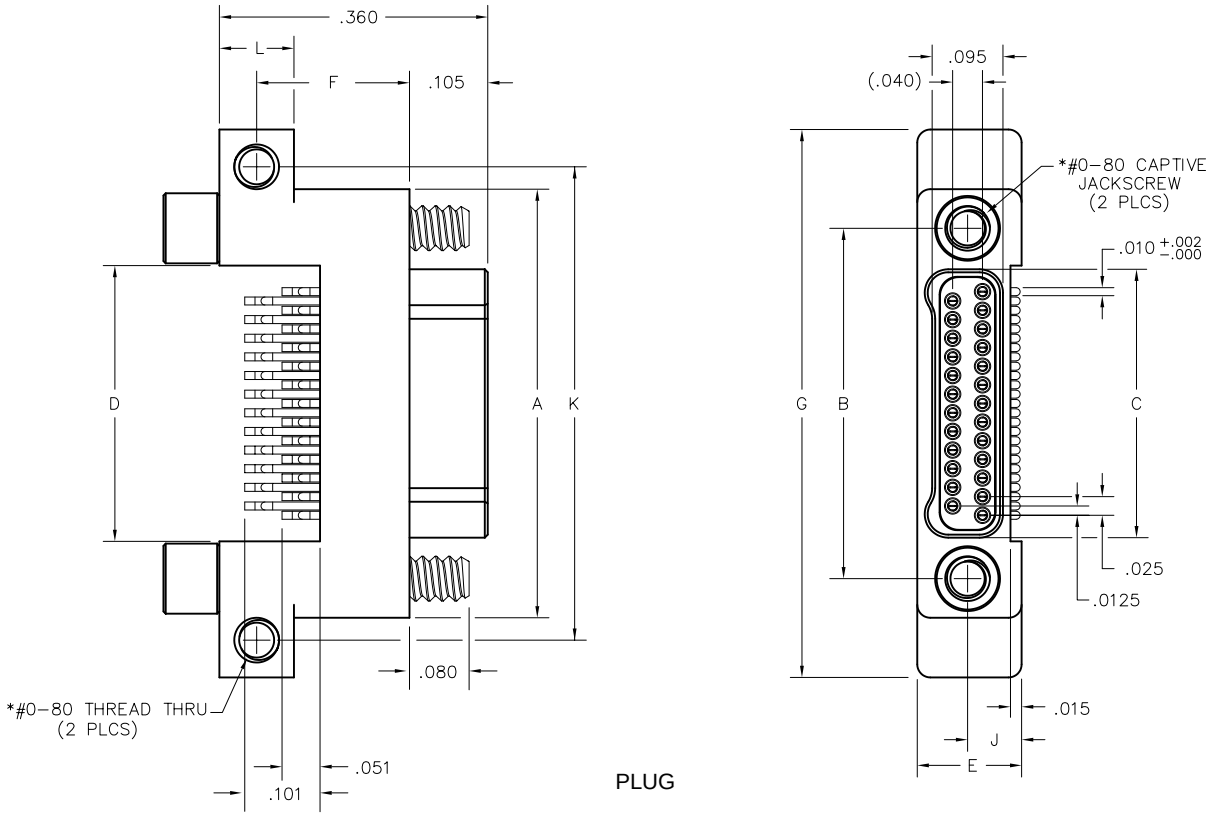
2 ROW
Horizontal SMT with Jackscrews Plug
.025"

NK

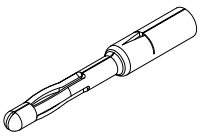
9 thru 85 Contacts



NK–2C2–025–125–JC00
(METAL)



PLUG



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS											
SIZE	A	B	C	D	E	F	G	J	K	L	*HARDWARE
9	.375	.270	.160	.170			.535		.435		
15	.450	.345	.235	.245			.610		.510		
21	.525	.420	.310	.320			.685		.585		
25	.575	.470	.360	.370			.735		.635		
31	.650	.545	.435	.445	.125	.205	.810	.0575	.710	.100	#0–80 THREAD
37	.725	.620	.510	.520			.885		.785		
51	.900	.795	.685	.695			1.060		.960		
65	1.075	.970	.860	.870			1.235		1.135		
69	1.125	1.020	.910	.920			1.285		1.185		
85	1.377	1.246	1.110	1.120	.150	.192	1.590	.0700	1.463	.126	#2–56 THREAD

PLUG: NK–2C2–025–125–JC00
NK–XXX–XXX–XXX–XXXX

PLUG

SERIES

NK .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
C Plug, horizontal mount SMT

BODY MATERIAL:
2 Liquid Crystal Polymer w/ electroless nickel shell
3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
12 Pin, SMT

PLATING OPTIONS:
5 50 u" Au contacts, Sn/Pb alloy terminations ☒
8 50 u" Au contacts, tin plated terminations

HARDWARE

STYLE OF HARDWARE:
JC Turning jackscrews, captivated #0-80 UNF*

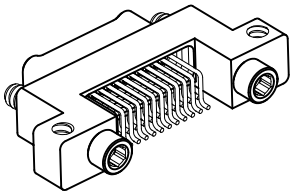
WIRING OPTIONS:
00 None

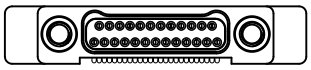
* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

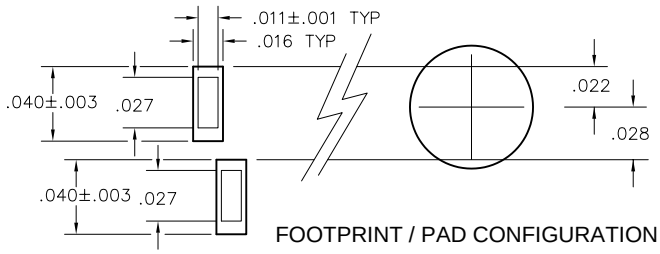
Recommended PC Board Layout

Horizontal SMT Plug
FOR REFERENCE ONLY



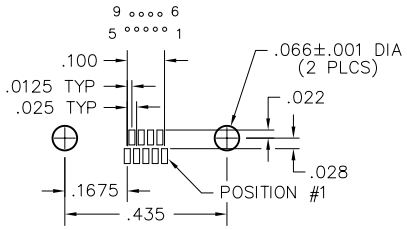


CONNECTOR MATING FACE

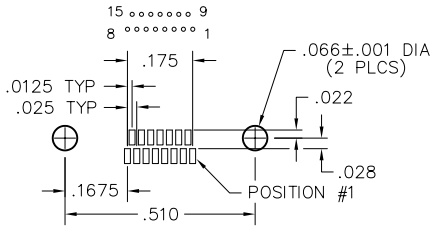


FOOTPRINT / PAD CONFIGURATION

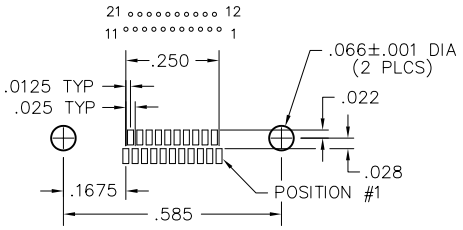
9 POSITION



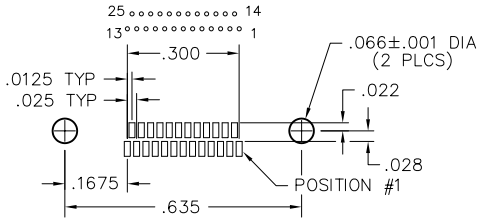
15 POSITION



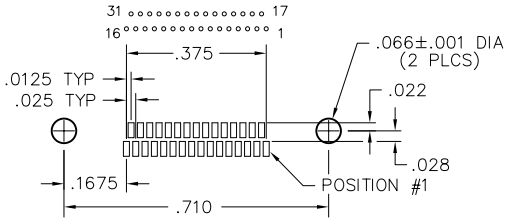
21 POSITION



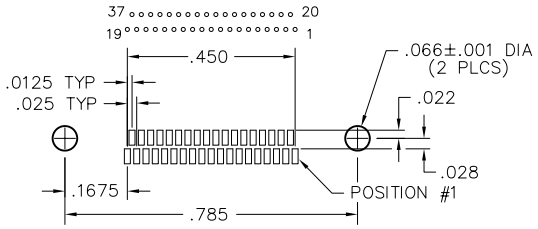
25 POSITION



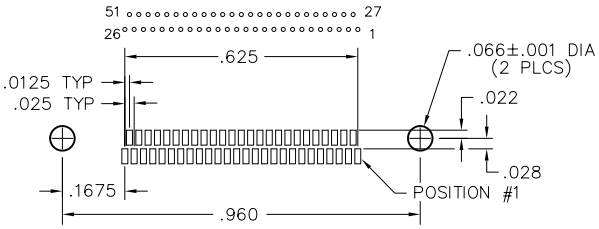
31 POSITION



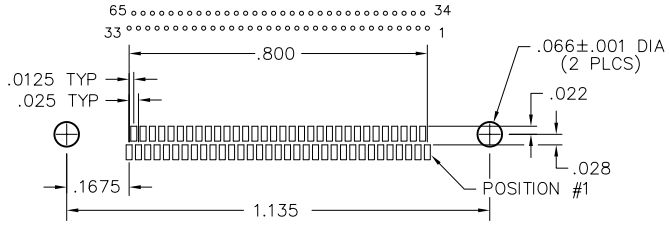
37 POSITION



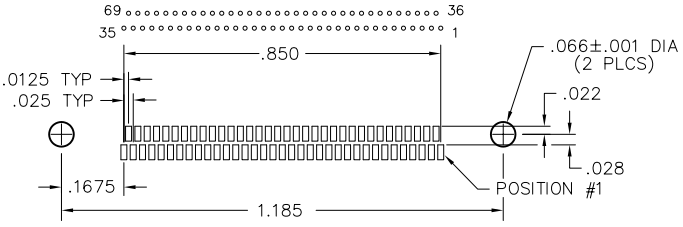
51 POSITION



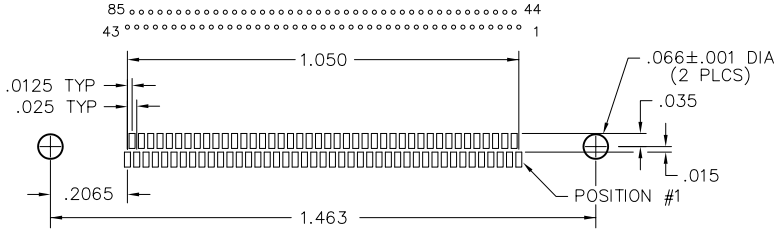
65 POSITION

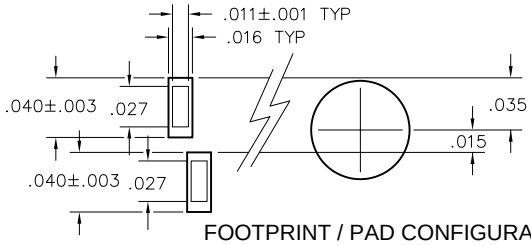


69 POSITION



85 POSITION



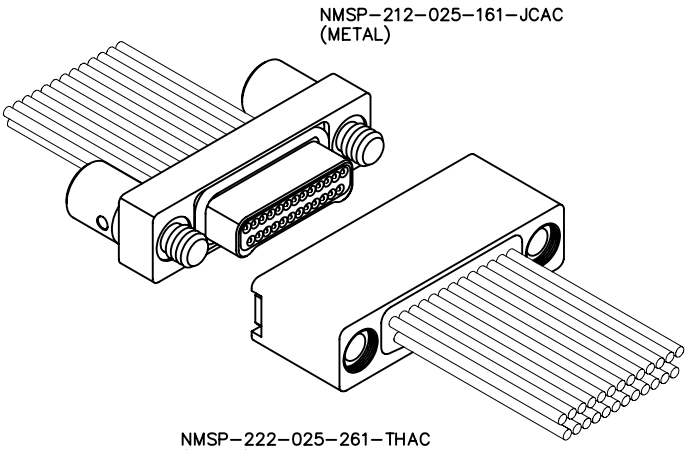


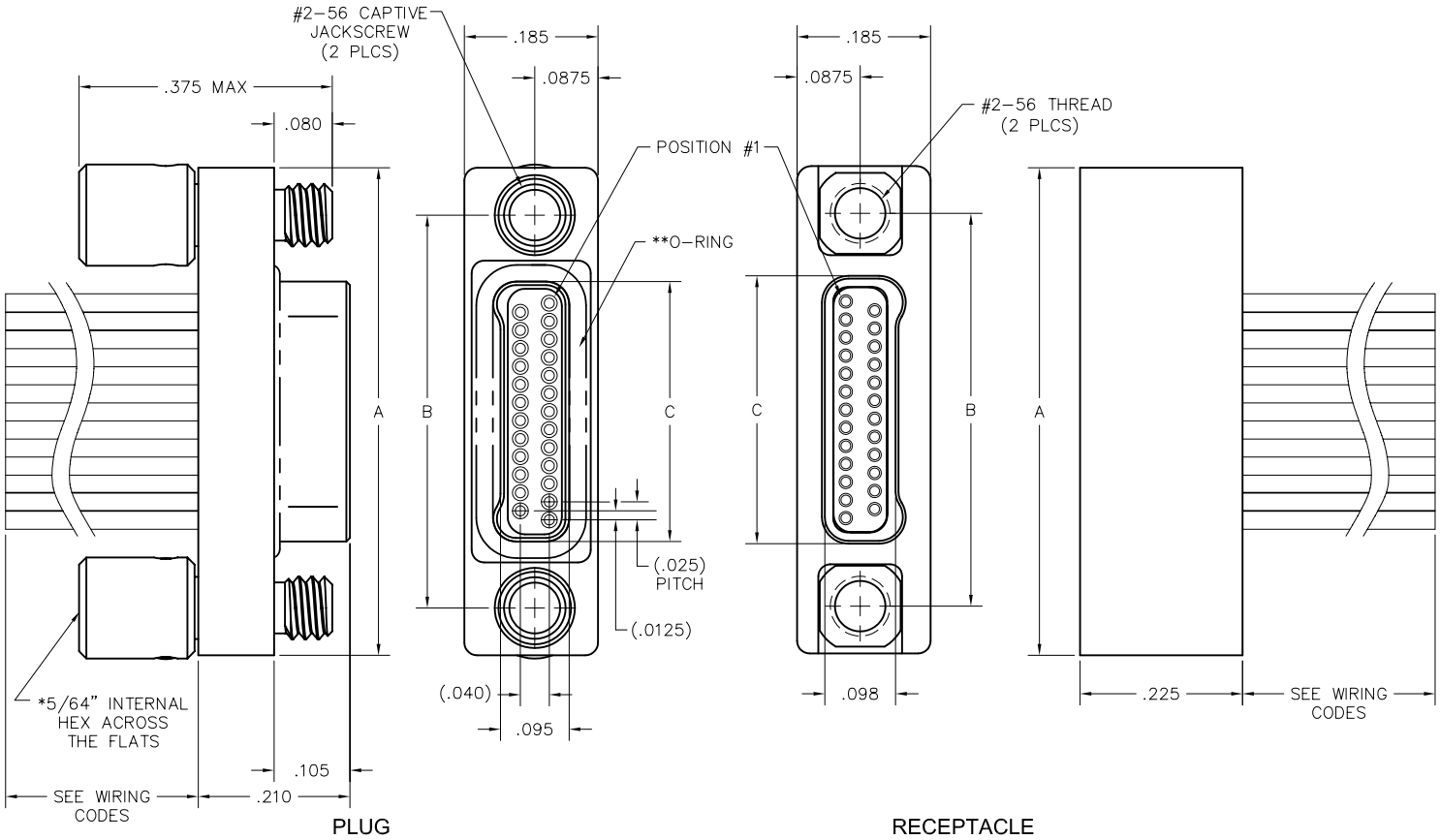
FOOTPRINT / PAD CONFIGURATION

2 · ROW
Splashproof**
Cable to Cable
.025"

NMSP, NMSP

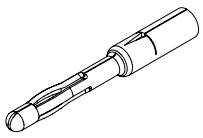
9 thru 85 Contacts





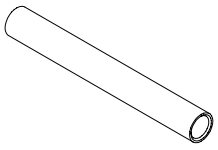
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS					
SIZE	A	B	C		HARDWARE
			PLUG	RCPT	
9	.475	.344	.160	.163	#2–56 THREAD
15	.550	.419	.235	.238	
21	.625	.494	.310	.313	
25	.675	.544	.360	.363	
31	.750	.619	.435	.438	
37	.825	.694	.510	.513	
51	1.000	.869	.685	.688	
65	1.175	1.044	.860	.863	
69	1.225	1.094	.910	.913	
85	1.425	1.294	1.110	1.113	



SOCKET CONTACT
DRAWN TUBE, CRIMP

**The o–ring seal provides moisture resistance to fog, humidity and splashing.

PLUG: NMSP–212–025–161–JCAC
RECEPTACLE: NMSP–222–025–261–THAC

XXXX–XXX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NMSP	.025" Metal Splashproof I/O Connector	NMSP	.025" Metal Splashproof I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight, with fluorosilicone o-ring	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts	1	50 u" Au contacts
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #2-56 UNF*	JC	Turning jackscrews, captivated #2-56 UNF*
TH	Threaded hole, #2-56 UNF	TH	Threaded hole, #2-56 UNF
	WIRING OPTIONS:		WIRING OPTIONS:
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

* 5/64" hex key
Recommended torque value 2.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
5/64" hex L-key long arm wrench - order AirBorn p/n CDG14179.

☒ = Option not RoHS compliant

Specifications - Rear Panel Mount
Materials and Finishes *

Contacts:	Sockets: BeCu per ASTM-B-194 or NiAg per ASTM-B-122
Embedment:	Insulating compound per MIL-I-16923
Contact Finish:	Gold plate per ASTM B 488, SAE AMS 2422
Molded Insulators:	Glass filled liquid crystal polymer (LCP) per ASTM D5138 or MIL-M-24519
Shell:	303 Stainless Steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700
Hardware:	Corrosion resistant steel per ASTM A581/A581M or ASTM A582/A582M Passivated per SAE AMS-2700
O-rings:	Fluorosilicone elastomer per SAE AMS-R-25988 -or- Ag/Ai filled fluorosilicone elastomer per MIL-DTL-83528, Type D
Tolerances:	Unless otherwise specified: Decimals = .XXX = ±.005" .XXXX = ±.0050" Angles = ±2°

Note: AirBorn can manufacture special configurations for your exact specifications.
* = Reference the above listed specifications or an equivalent industry standard when applicable

Performance - Rear Panel Mount

Reference M32139

AirBorn "N" Series meets or exceeds M32139 Performance Specifications

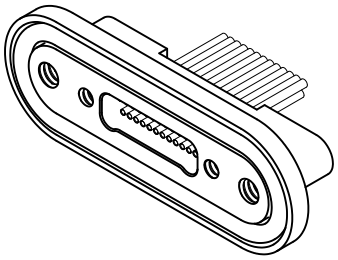
Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition A (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve
Crimp Strength:	1 pound minimum tensile strength

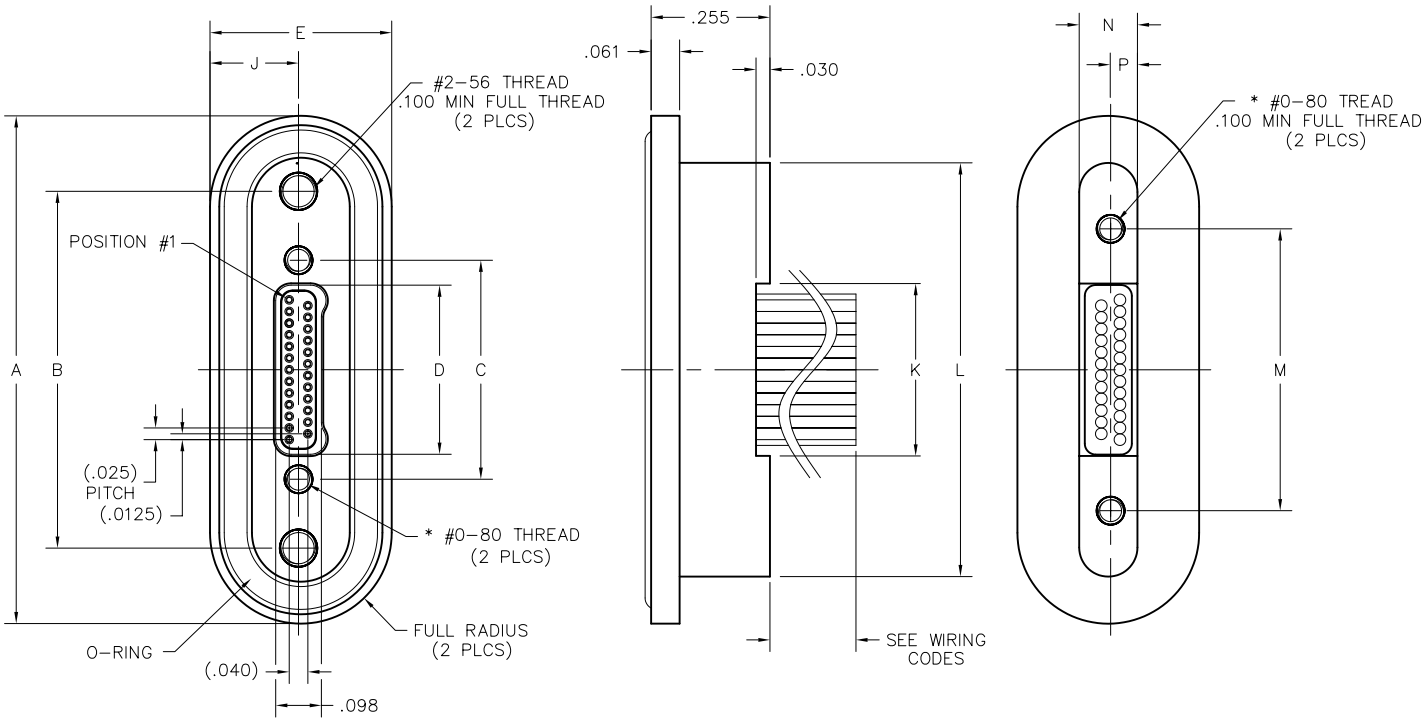
2 ◦ ROW
Rear Panel Mount
I/O
.025"

NMRP

9 thru 85 Contacts

NMRP–224–025–261–TH00
(METAL)





RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	K	L	M	N	P
9	.890	.566	.270	.163	.390	.190	.170	.688	.405	.125	.0575
15	.965	.641	.345	.238			.245	.763	.480		
21	1.040	.716	.420	.313			.320	.838	.555		
25	1.090	.766	.470	.363			.370	.888	.605		
31	1.165	.841	.545	.438			.445	.963	.680		
37	1.240	.916	.620	.513			.520	1.038	.755		
51	1.415	1.091	.795	.688			.695	1.213	.930		
65	1.590	1.266	.970	.863			.870	1.388	1.105		
69	1.640	1.316	1.020	.913			.920	1.438	1.155		
85	1.892	1.568	1.246	1.113	.415	.2025	1.120	1.690	1.407	.150	.0700

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NMRP–224–025–261–TH00
XXXX–XXX–XXX–XXX–XXXX–XXX

SERIES

NMRP .025" Metal I/O Connector

BODY

2 2-Row

BODY STYLE:
2 Receptacle, straight, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:
4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
26 Socket, straight, crimped wire

PLATING OPTIONS:
1 50 u" Au contacts

HARDWARE

STYLE OF HARDWARE:
TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:
XX See wiring codes, Page NA-2

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

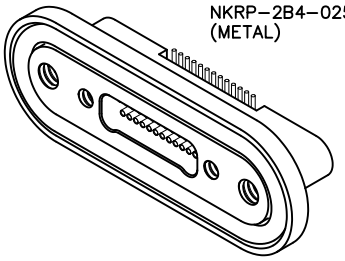
AirBorn

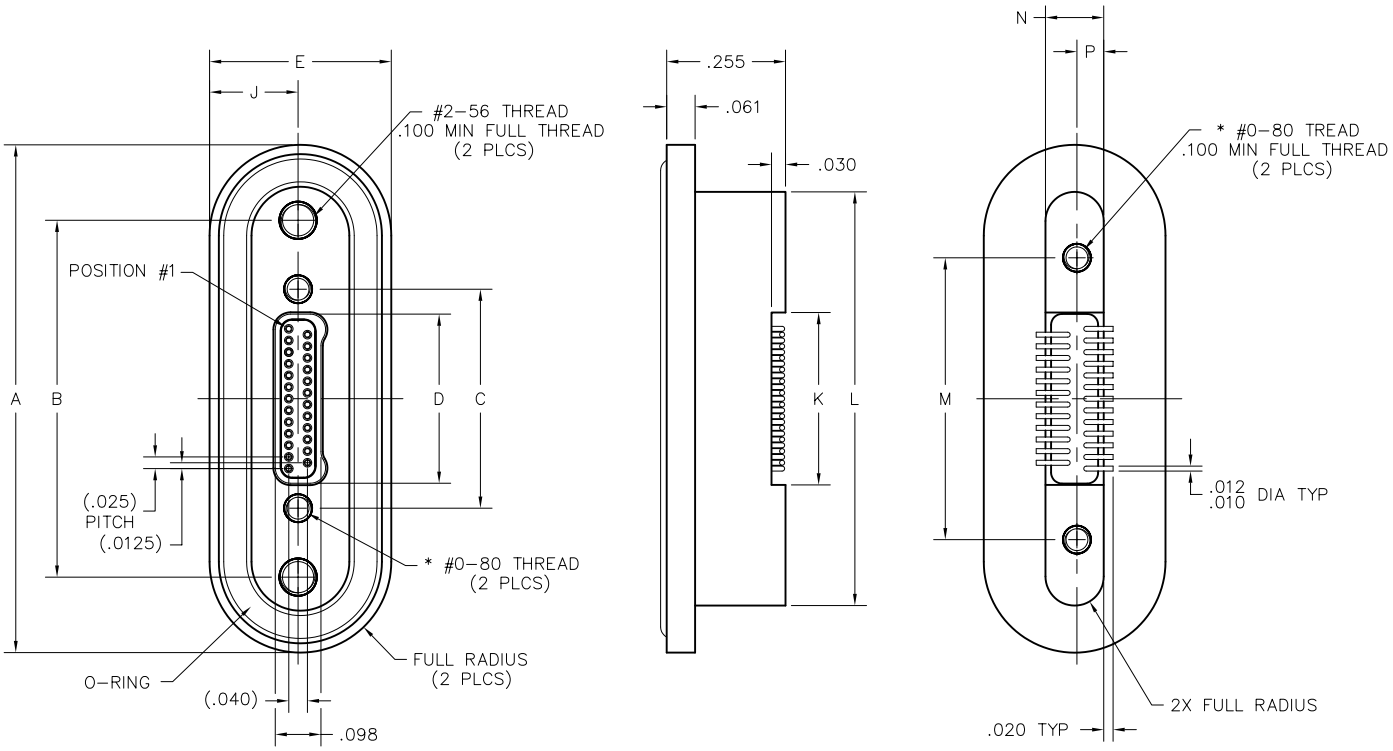
2 ROW
Rear Panel Mount
Vertical SMT

.025"

NKRP

9 thru 85 Contacts





RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	K	L	M	N	P
9	.890	.566	.270	.163	.390	.190	.170	.688	.405	.125	.0575
15	.965	.641	.345	.238			.245	.763	.480		
21	1.040	.716	.420	.313			.320	.838	.555		
25	1.090	.766	.470	.363			.370	.888	.605		
31	1.165	.841	.545	.438			.445	.963	.680		
37	1.240	.916	.620	.513			.520	1.038	.755		
51	1.415	1.091	.795	.688			.695	1.213	.930		
65	1.590	1.266	.970	.863			.870	1.388	1.105		
69	1.640	1.316	1.020	.913			.920	1.438	1.155		
85	1.892	1.568	1.246	1.113	.415	.2025	1.120	1.690	1.407	.150	.0700

* = #2-56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NKRP–2B4–025–225–TH00
XXXX–XXX–XXX–XXX–XXXX–XXX

SERIES

NKRP .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
B Receptacle, vertical SMT, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:
4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
22 Socket, SMT

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:
00 None

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

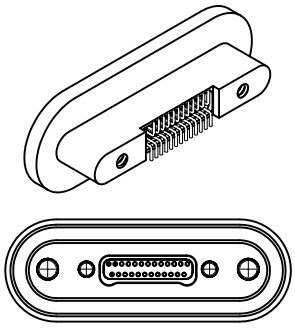
* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

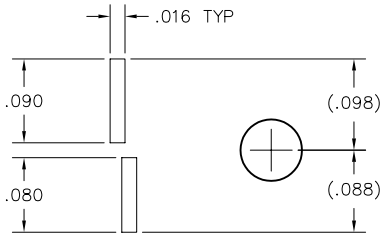
Recommended PC Board Layout

Vertical SMT Rcpt

FOR REFERENCE ONLY

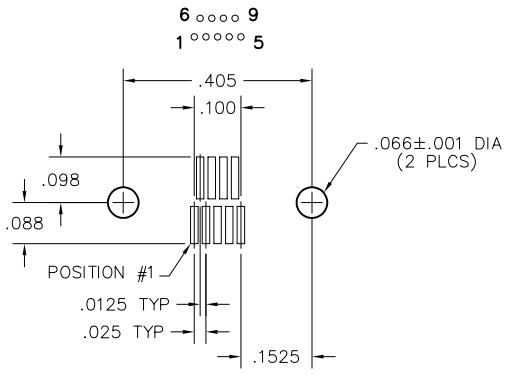


CONNECTOR MATING FACE

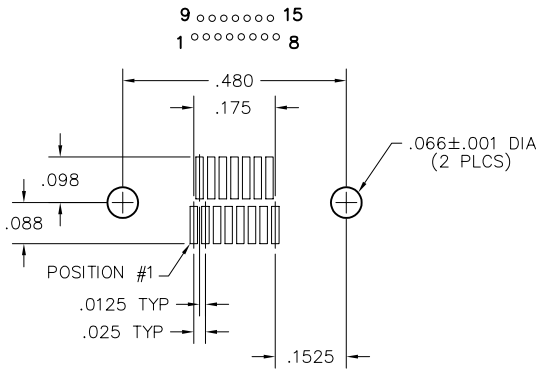


FOOTPRINT / PAD CONFIGURATION

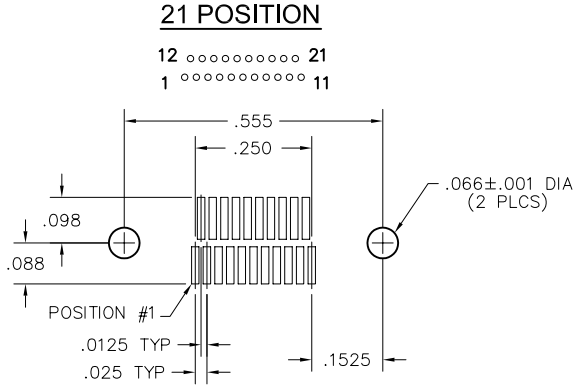
9 POSITION



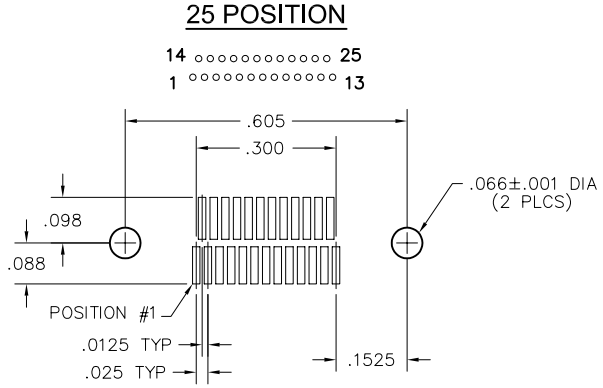
15 POSITION



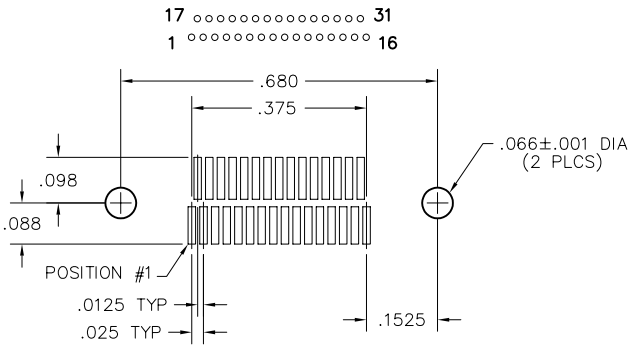
21 POSITION



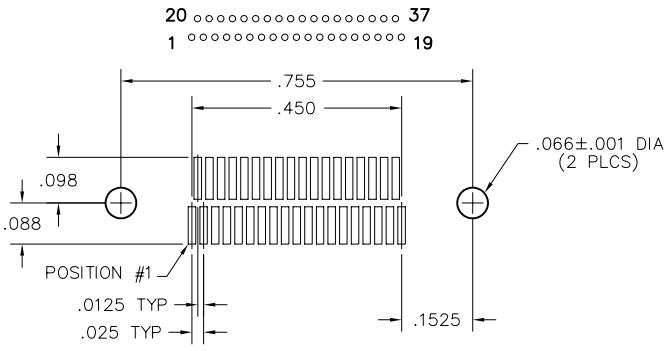
25 POSITION



31 POSITION



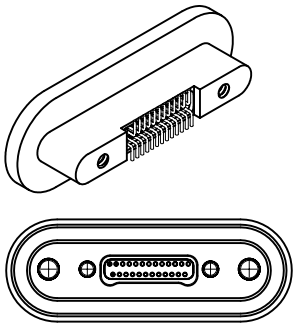
37 POSITION



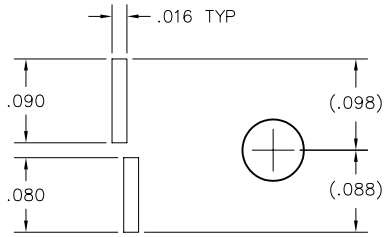
Recommended PC Board Layout

Vertical SMT Rcpt

FOR REFERENCE ONLY

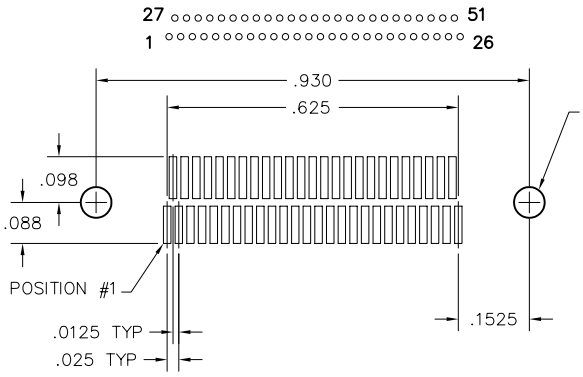


CONNECTOR MATING FACE

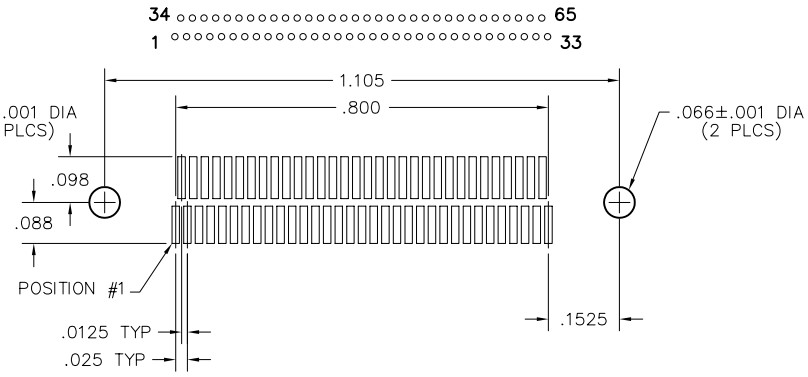


FOOTPRINT / PAD CONFIGURATION

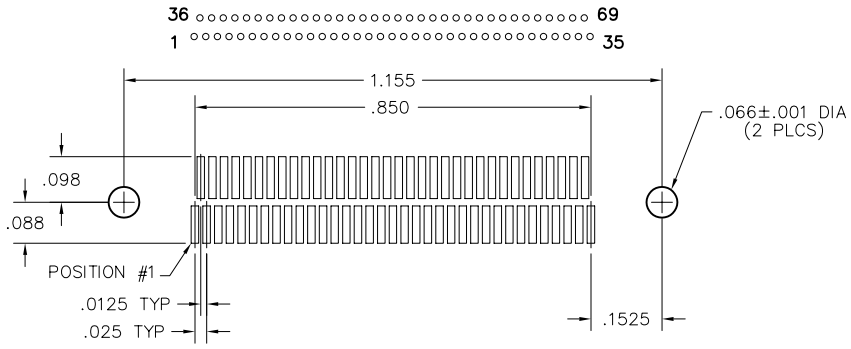
51 POSITION



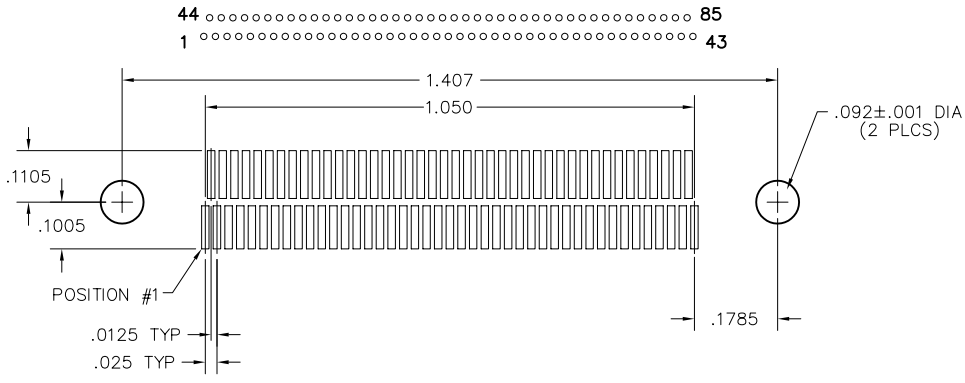
65 POSITION

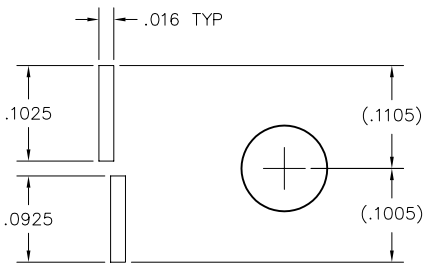


69 POSITION



85 POSITION





FOOTPRINT / PAD CONFIGURATION

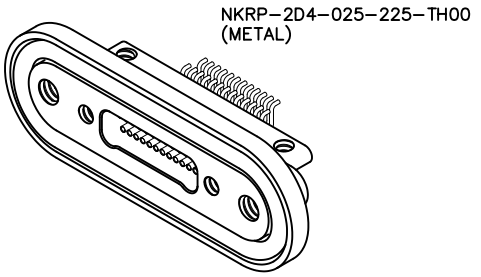
Ask About AirBorn's Accelerated Delivery Service

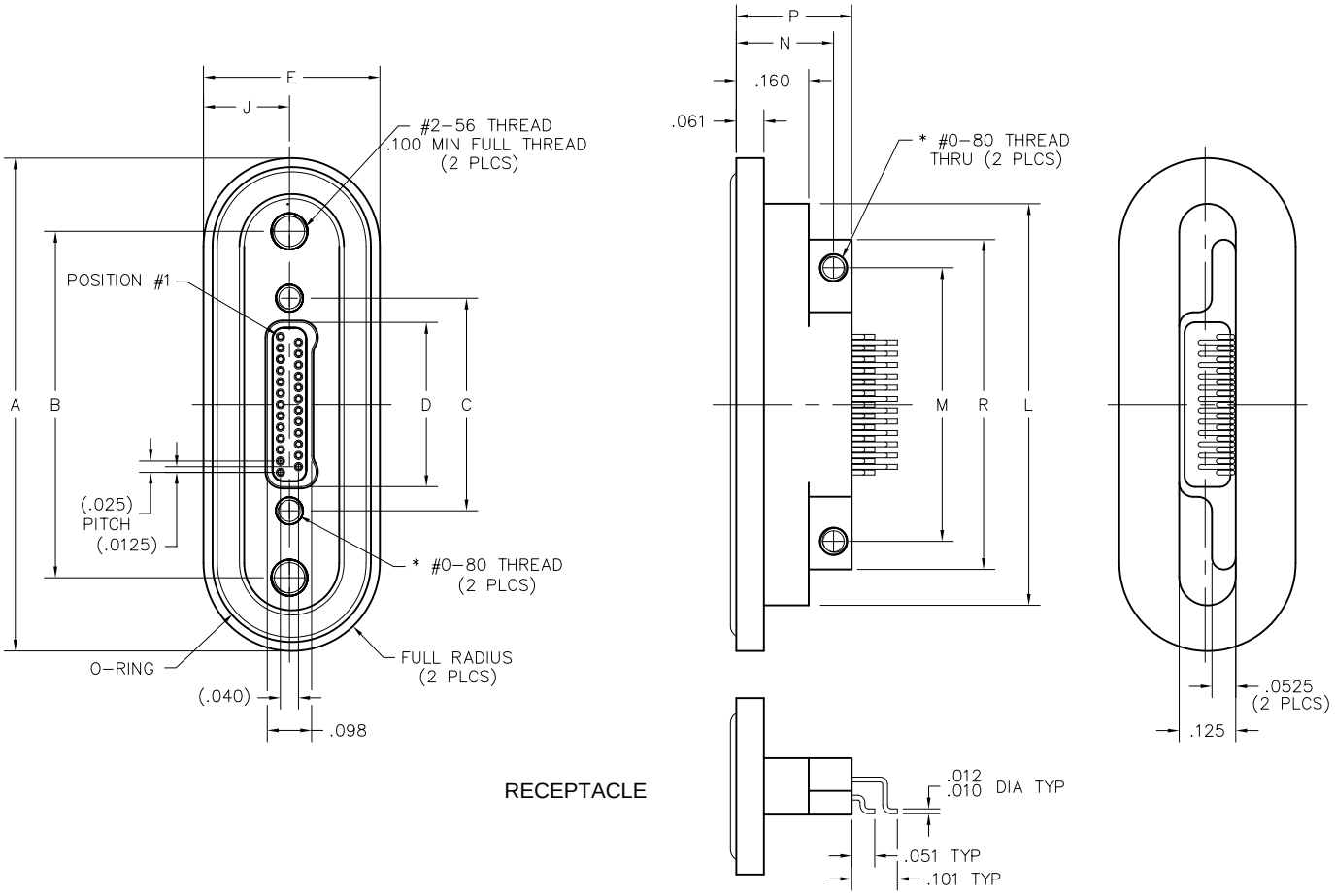
2 ◦ ROW
Rear Panel Mount
Horizontal SMT

.025"

NKRP

9 thru 85 Contacts





RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	L	M	N	P	R
9	.890	.566	.270	.163	.390	.190	.688	.405	.215	.255	.531
15	.965	.641	.345	.238			.763	.480			.606
21	1.040	.716	.420	.313			.838	.555			.681
25	1.090	.766	.470	.363			.888	.605			.731
31	1.165	.841	.545	.438			.963	.680			.806
37	1.240	.916	.620	.513			1.038	.755			.881
51	1.415	1.091	.795	.688			1.213	.930			1.056
65	1.590	1.266	.970	.863			1.388	1.105			1.231
69	1.640	1.316	1.020	.913			1.438	1.155			1.281
85	1.892	1.568	1.246	1.113	.415	.2025	1.690	1.407	.244	.300	1.533

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.

Call (972) 931-3200 · Fax (972) 931-9305 · www.AirBorn.com

RECEPTACLE: NKRP–2D4–025–225–TH00
XXXX–XXX–XXX–XXX–XXXX–XXX

SERIES

NKRP .025" Metal PC Board Mounted Connector

BODY

2 2-Row

BODY STYLE:
D Receptacle, horizontal SMT, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:
4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
22 Socket, SMT

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:
00 None

OPTIONS

EMI EMI o-ring (in lieu of fluorosilicone o-ring)

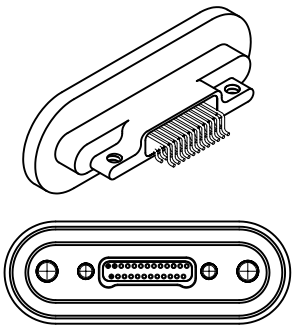
* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

☒ = Option not RoHS compliant

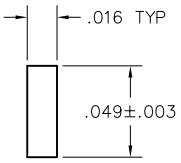
Recommended PC Board Layout

Horizontal SMT Rcpt
FOR REFERENCE ONLY

No solder mask allowed within connector outline



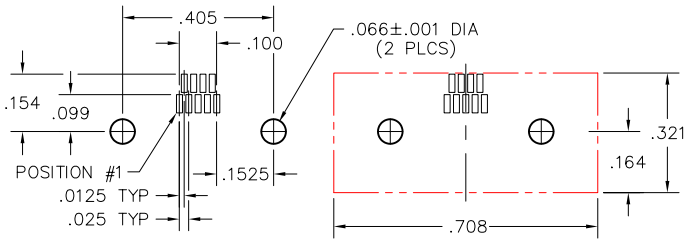
CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION

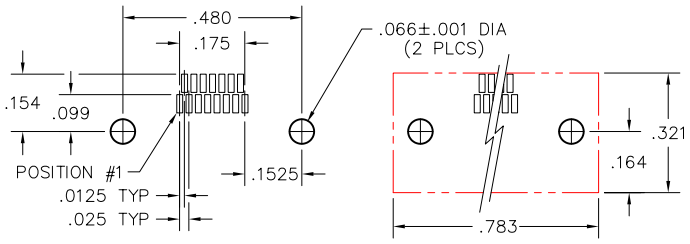
9 POSITION

9 ○○○○ 6
5 ○○○○○ 1



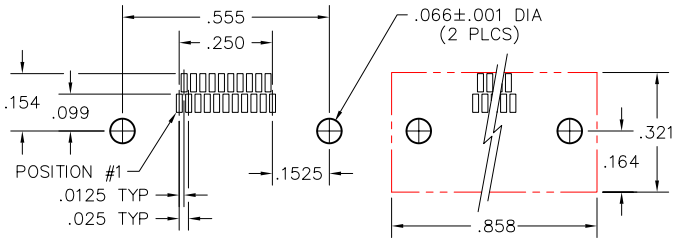
15 POSITION

15 ○○○○○○○ 9
8 ○○○○○○○ 1



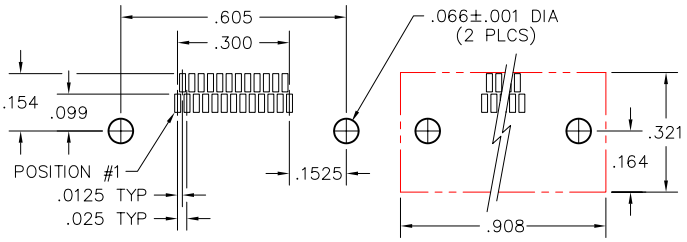
21 POSITION

21 ○○○○○○○○○○ 12
11 ○○○○○○○○○○ 1



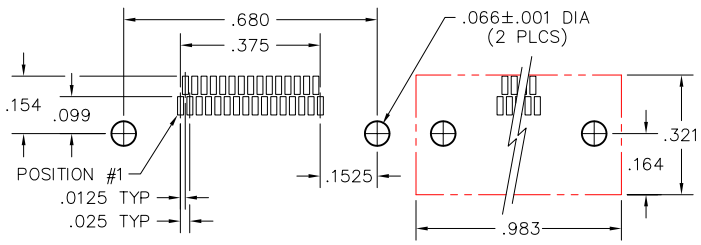
25 POSITION

25 ○○○○○○○○○○○○ 14
13 ○○○○○○○○○○○○ 1



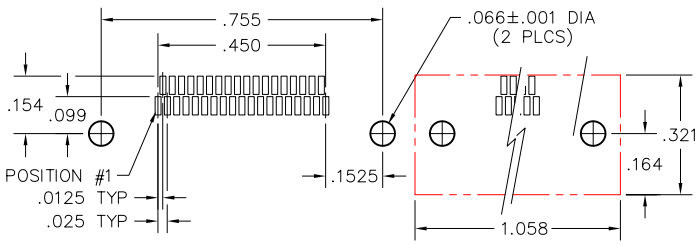
31 POSITION

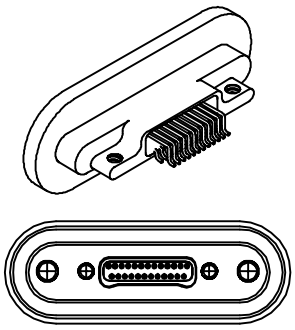
31 ○○○○○○○○○○○○○○○ 17
16 ○○○○○○○○○○○○○○○ 1



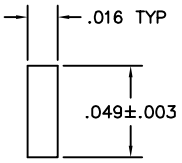
37 POSITION

37 ○○○○○○○○○○○○○○○○○ 20
19 ○○○○○○○○○○○○○○○○○ 1





CONNECTOR MATING FACE



FOOTPRINT / PAD CONFIGURATION

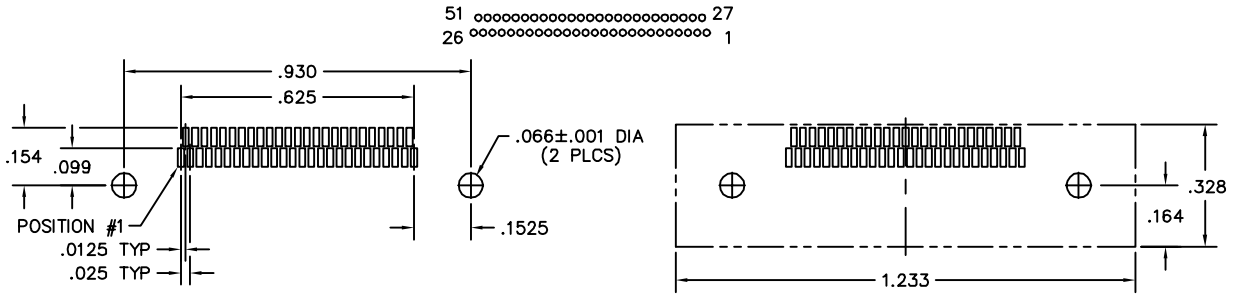
Recommended PC Board Layout

Horizontal SMT Rcpt

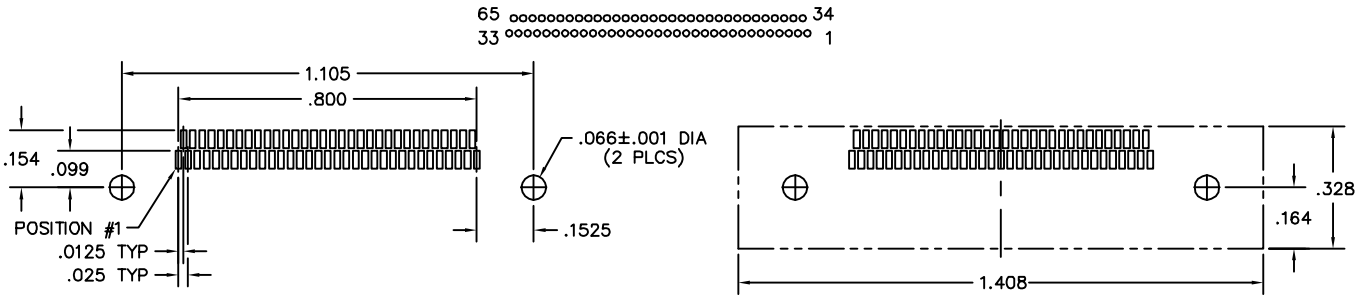
FOR REFERENCE ONLY

No solder mask allowed within connector outline

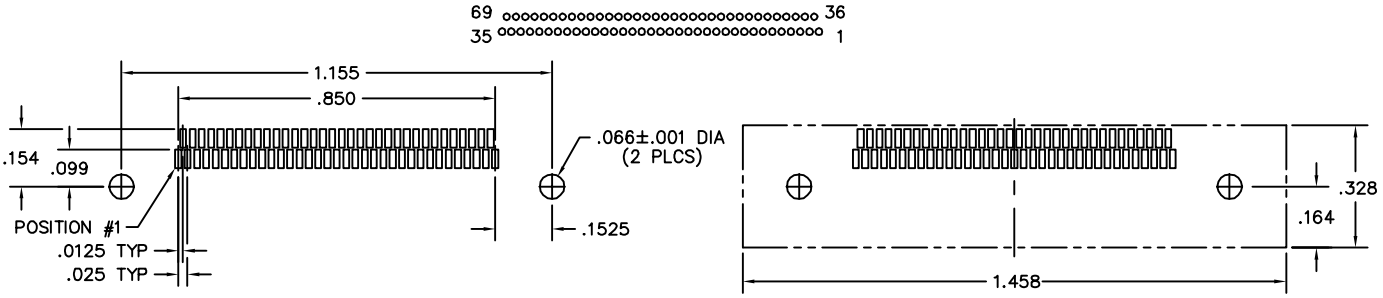
51 POSITION



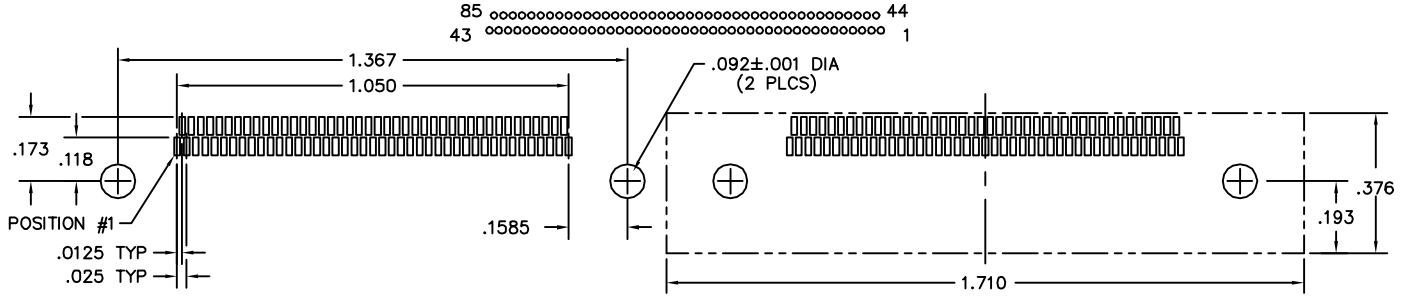
65 POSITION



69 POSITION



85 POSITION



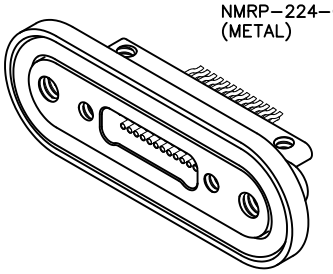
AirBorn

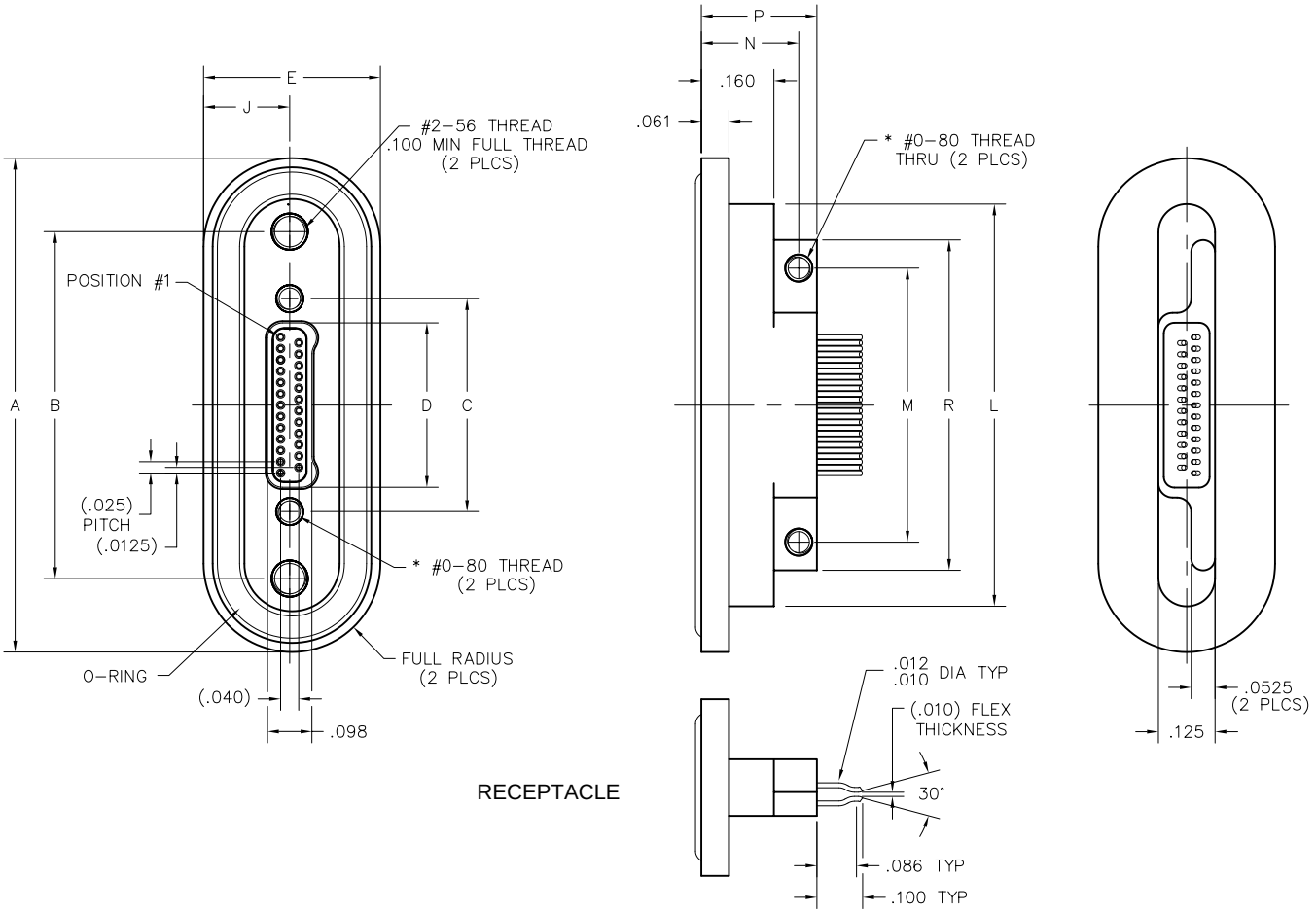
2 ◦ ROW
Rear Panel Mount
Straddle Mount

.025"

NMRP

9 thru 85 Contacts





RECEPTACLE

DIMENSIONS											
SIZE	A	B	C	D	E	J	L	M	N	P	R
9	.890	.566	.270	.163	.390	.190	.688	.405	.215	.255	.531
15	.965	.641	.345	.238			.763	.480			.606
21	1.040	.716	.420	.313			.838	.555			.681
25	1.090	.766	.470	.363			.888	.605			.731
31	1.165	.841	.545	.438			.963	.680			.806
37	1.240	.916	.620	.513			1.038	.755			.881
51	1.415	1.091	.795	.688			1.213	.930			1.056
65	1.590	1.266	.970	.863			1.388	1.105			1.231
69	1.640	1.316	1.020	.913			1.438	1.155			1.281
85	1.892	1.568	1.246	1.113	.415	.2025	1.690	1.367	.244	.300	1.533

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.

RECEPTACLE: NMRP–224–025–225–TH00
XXXX–XXX–XXX–XXX–XXXX–XXX

SERIES

NMRP .025" Metal Straddle Mount Flex Connector

BODY

2 2-Row

BODY STYLE:
2 Receptacle, straight, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:
4 Liquid Crystal Polymer w/ stainless steel shell

SIZE

XXX Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069 or 085)

CONTACTS

TYPE CONTACTS/TERMINATIONS:
22 Socket, SMT

PLATING OPTIONS:
5 50 u" Au contacts; Sn/Pb alloy terminations ☒
8 50 u" Au contacts; Tin plated terminations

HARDWARE

STYLE OF HARDWARE:
TH Threaded hole, #0-80 UNF*

WIRING OPTIONS:
00 None

OPTIONS

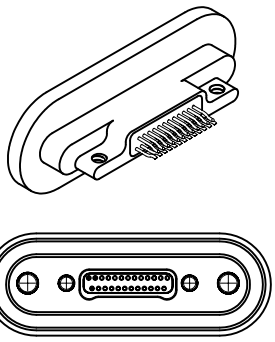
EMI EMI o-ring (in lieu of fluorosilicone o-ring)

* = #2-56 UNC thread on 85 position connectors
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)

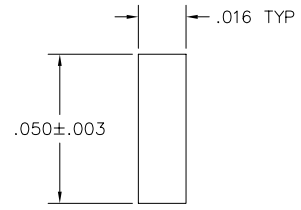
☒ = Option not RoHS compliant

Recommended PC Board Layout

Straddle Mount Rcpt
FOR REFERENCE ONLY

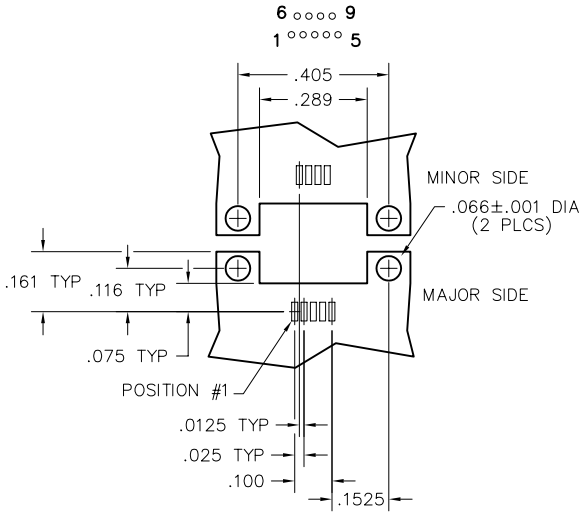


CONNECTOR MATING FACE

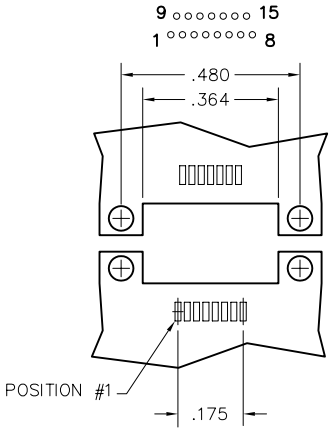


FOOTPRINT / PAD CONFIGURATION

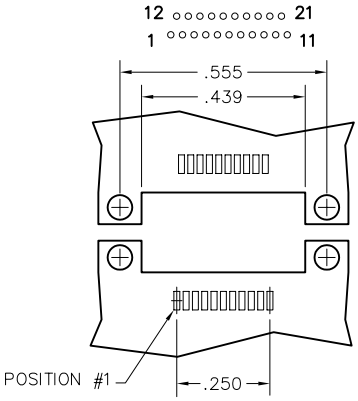
9 POSITION



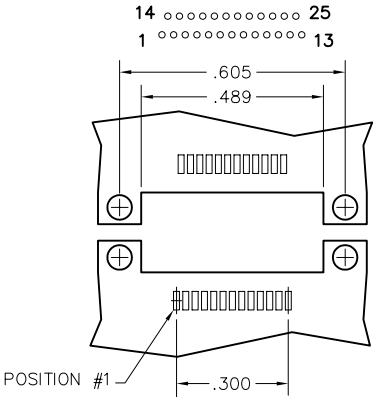
15 POSITION



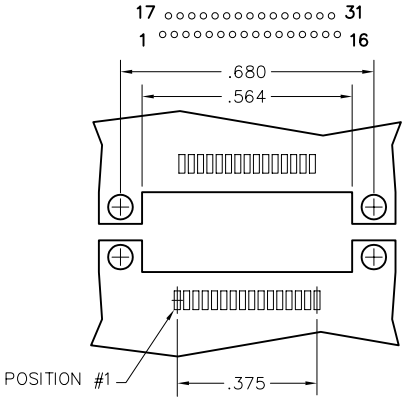
21 POSITION



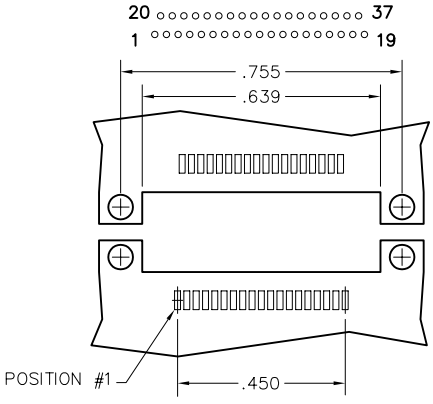
25 POSITION



31 POSITION

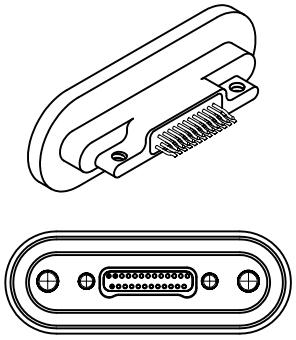


37 POSITION

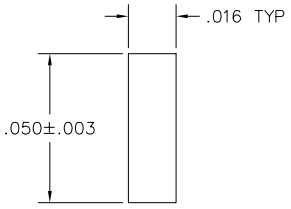


Recommended PC Board Layout

Straddle Mount Rcpt
FOR REFERENCE ONLY

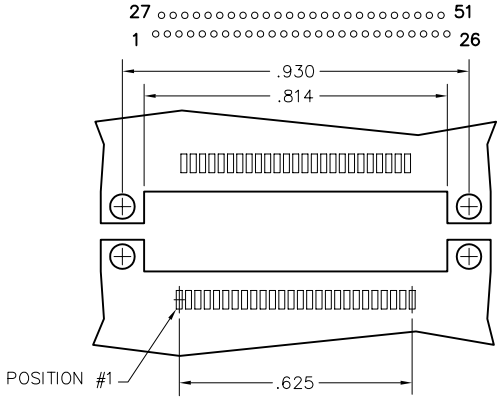


CONNECTOR MATING FACE

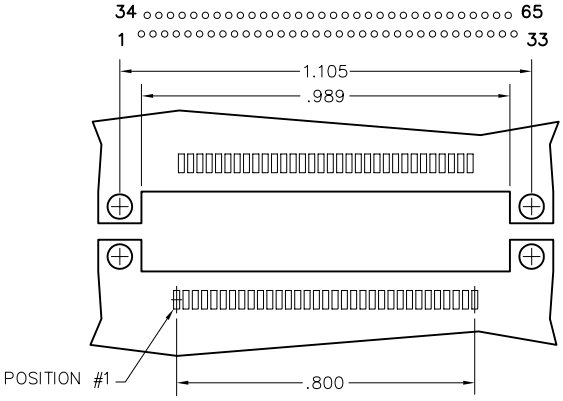


FOOTPRINT / PAD CONFIGURATION

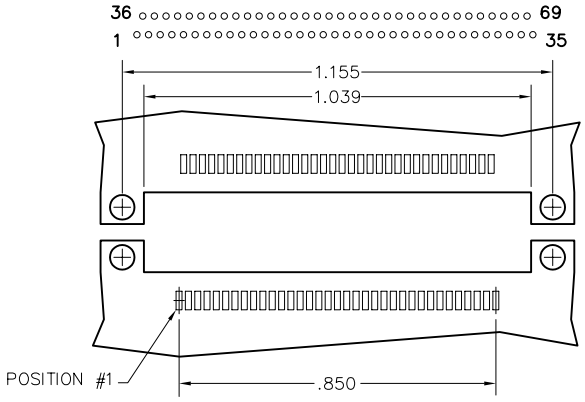
51 POSITION



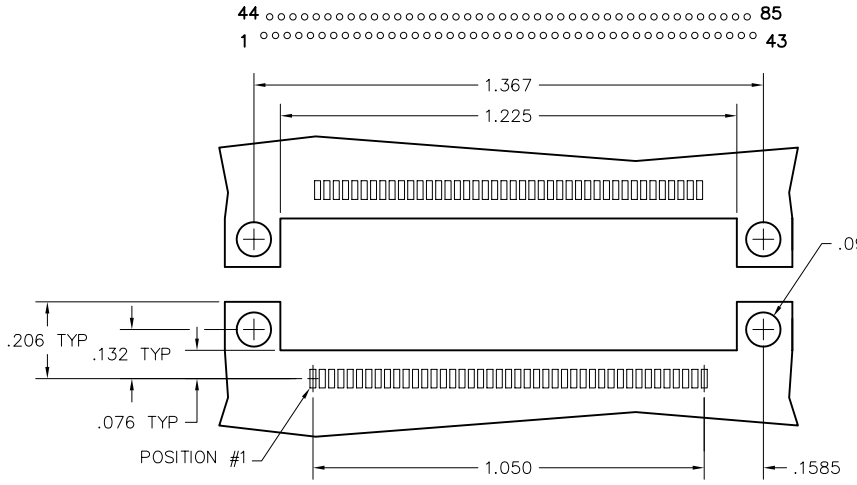
65 POSITION

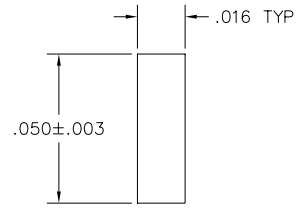


69 POSITION



85 POSITION

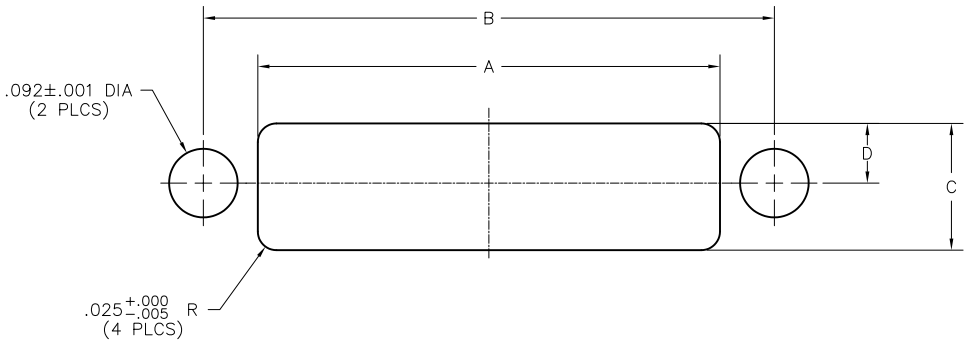




FOOTPRINT / PAD CONFIGURATION

Ask About AirBorn's Accelerated Delivery Service

Panel Mounting Dimensions for Rear Panel Mount Connectors



DIMENSIONS				
SIZE	A +.004 −.000	B ±.002	C +.004 −.000	D ±.001
9	.420	.566	.170	.080
15	.495	.641	.170	.080
21	.570	.716	.170	.080
25	.620	.766	.170	.080
31	.695	.841	.170	.080
37	.770	.916	.170	.080
51	.945	1.091	.170	.080
65	1.120	1.266	.170	.080
69	1.170	1.316	.170	.080
85	1.422	1.568	.195	.0925

Specifications - Circular Connectors
Materials and Finishes *

Contacts:	Pins: BeCu alloy strip per ASTM-B-194 Sockets: BeCu per ASTM-B-194 or NiAg per ASTM-B-122
Embedment:	Insulating compound per MIL-I-16923
Contact Finish:	Gold plate per ASTM B 488, SAE AMS 2422
Molded Insulators:	Glass filled liquid crystal polymer (LCP) per ASTM D5138
Shell:	Copper Alloy per ASTM B16
Shell Finishes:	Electroless Nickel per SAE AMS-C-26074
Quick Release Coupling Rings & Jam Nuts:	Copper Alloy per ASTM B16
Quick Release Coupling Ring & Jam Nut Finish:	Electroless Nickel per SAE AMS-C-26074
Threaded Coupling Rings:	Corrosion resistant steel per ASTM A484 / A484M and ASTM A582 / A582M
Threaded Coupling Ring Finish:	Passivate per SAE AMS-2700
Lock Rings:	BeCu Alloy per ASTM B196
Lock Ring Finish:	Electroless Nickel per SAE AMS-C-26074
O-rings:	Fluorosilicone elastomer per AMS-R-25988
Tolerances:	Unless otherwise specified: Decimals = .XXX = ±.005" .XXXX = ±.0050" Angles = ±2°

Note: AirBorn can manufacture special configurations for your exact specifications.
* = Reference the above listed specifications or an equivalent industry standard when applicable

Performance - Circular Connectors

Reference M32139

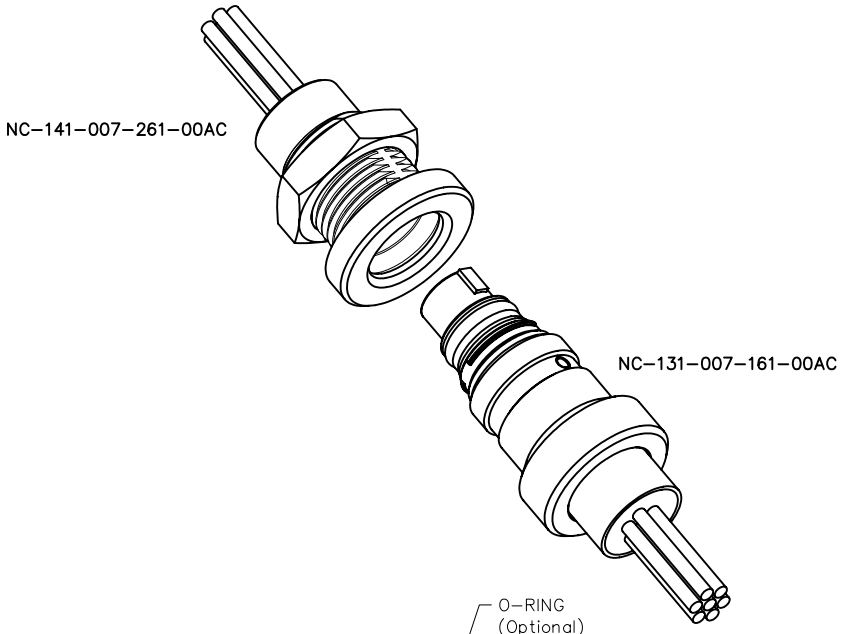
AirBorn "N" Series Circular meets or exceeds M32139 Performance Specifications

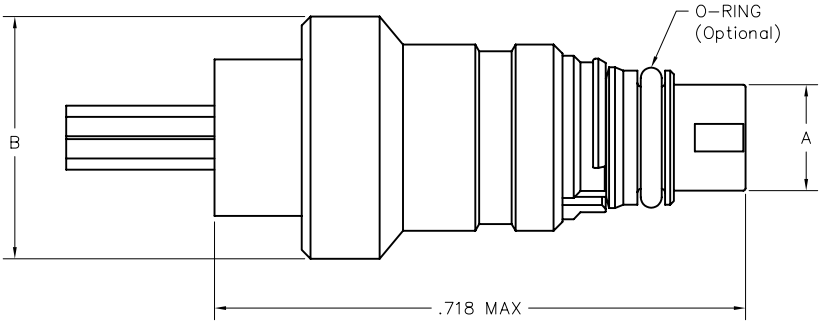
Contact Rating:	1-amperes maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Operating Temperature:	-55° C to +125° C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-31, Condition B (except steps 7a and 7b)
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I (except step 3, temperature shall be 125° C)
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce minimum, with maximum diameter test sleeve
Crimp Strength:	1 pound minimum tensile strength

Circular Cable Connectors with Quick Release

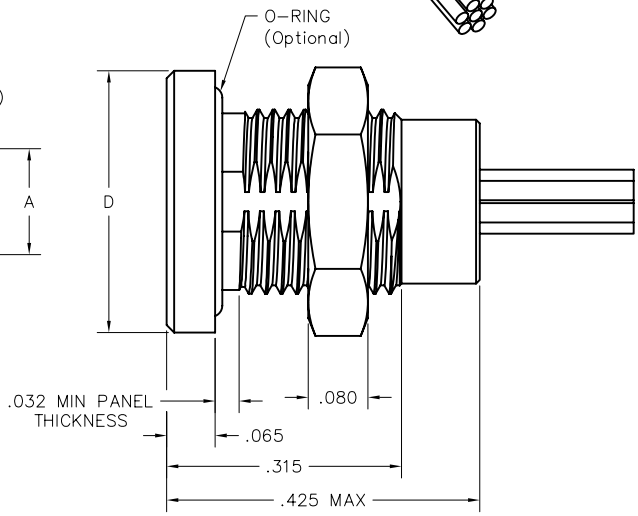
NC

7 & 19 Contacts

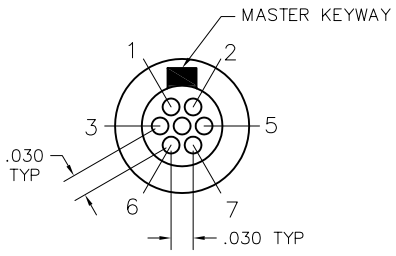




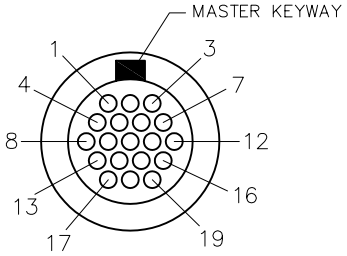
PLUG
QUICK RELEASE
(Socket Contacts)
Mates with Front and Rear Panel Receptacles



RECEPTACLE
FRONT PANEL MOUNT
(Pin Contacts)



7 CONTACTS



19 CONTACTS

Contact Arrangements

Face view, receptacle (Pin Contacts)
Cavity identification numbers are for reference and do not appear on connector.

PLUG DIMENSIONS			
MOUNT	SIZE	A MAX DIA	B MAX DIA
QUICK RELEASE	7 POS	.145	.330
	19 POS	.205	.326

RECEPTACLE DIMENSIONS			
MOUNT	SIZE	D MAX DIA	E THREAD
FRONT PANEL	7 POS	.356	.25–48 UNS–2A
	19 POS	.419	.3125–48 UNS–2A

PLUG: NC–131–007–161–00AC
RECEPTACLE: NC–141–007–261–00AC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NC	Circular Connector	NC	Circular Connector
BODY			
1	7 Position Shell	1	7 Position Shell
2	19 Position Shell	2	19 Position Shell
	BODY STYLE:		BODY STYLE:
1	Quick Release	2	Front Mount
3	Quick Release with o-ring	4	Front Mount with o-ring
		6	Rear Mount
		8	Rear Mount with o-ring
	BODY MATERIAL:		BODY MATERIAL:
1	Liquid Crystal Polymer Insulator Brass shell with Electroless nickel plating	1	Liquid Crystal Polymer Insulator Brass shell with Electroless nickel plating
SIZE			
XXX	Number of contacts (007 & 019)	XXX	Number of contacts (007 & 019)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
14	Socket, straight, .500" (.010 dia.)	24	Pin, straight, .500" (.010 dia.)
16	Socket, straight, crimped wire	26	Pin, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts (crimped wire)	1	50 u" Au contacts (crimped wire)
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	Jam nut
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	00	None
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

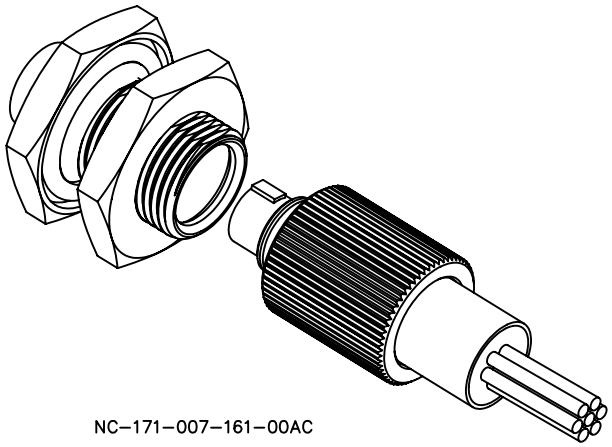
☒ = Option not RoHS compliant

Circular Cable Connectors with Threaded Coupling

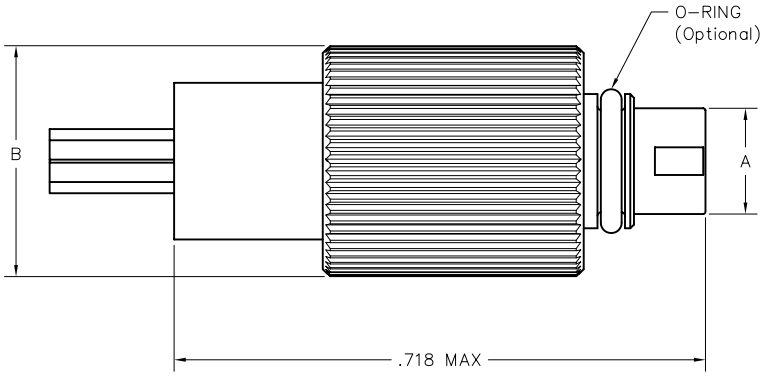
NC

7 & 19 Contacts

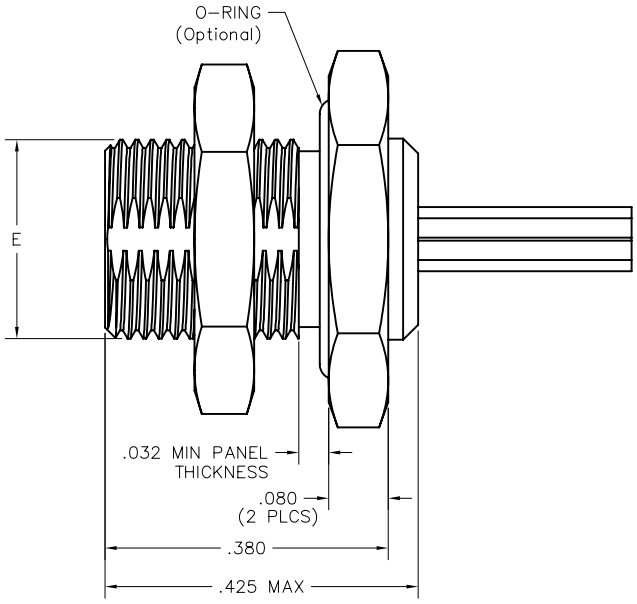
NC–181–007–261–00AC



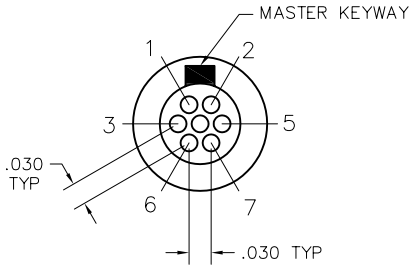
NC–171–007–161–00AC



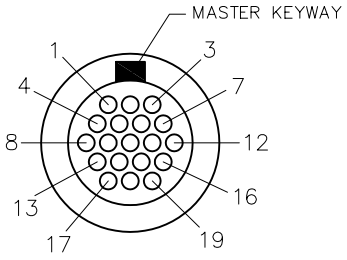
PLUG
THREADED COUPLING
(Socket Contacts)
Mates with Rear Panel
Receptacle Only



RECEPTACLE
REAR PANEL MOUNT
(Pin Contacts)



7 CONTACTS



19 CONTACTS

Contact Arrangements

Face view, receptacle (Pin Contacts)
Cavity identification numbers are for reference and do not appear on connector.

DIMENSIONS (PLUG)			
MOUNT	SIZE	A MAX DIA	B MAX DIA
THREADED COUPLING	7 POS	.145	.315
	19 POS	.205	.374

DIMENSIONS (RECEPTACLE)		
MOUNT	SIZE	E THREAD
REAR PANEL	7 POS	.270–48 UNS–2A
	19 POS	.3281–48 UNS–2A

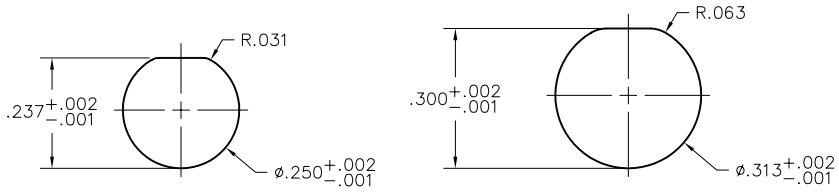
PLUG: NC–171–007–161–00AC
RECEPTACLE: NC–181–007–261–00AC
XX–XXX–XXX–XXX–XXXX

PLUG		RECEPTACLE	
SERIES			
NC	Circular Connector	NC	Circular Connector
BODY			
1	7 Position Shell	1	7 Position Shell
2	19 Position Shell	2	19 Position Shell
	BODY STYLE:		BODY STYLE:
5	Threaded Coupling	6	Rear Mount
7	Threaded Coupling with o-ring	8	Rear Mount with o-ring
	BODY MATERIAL:		BODY MATERIAL:
1	Liquid Crystal Polymer Insulator Brass shell with Electroless nickel plating	1	Liquid Crystal Polymer Insulator Brass shell with Electroless nickel plating
SIZE			
XXX	Number of contacts (007 & 019)	XXX	Number of contacts (007 & 019)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
14	Socket, straight, .500" (.010 dia.)	24	Pin, straight, .500" (.010 dia.)
16	Socket, straight, crimped wire	26	Pin, straight, crimped wire
	PLATING OPTIONS:		PLATING OPTIONS:
1	50 u" Au contacts (crimped wire)	1	50 u" Au contacts (crimped wire)
5	50 u" Au contacts; Sn/Pb alloy terminations ☒	5	50 u" Au contacts; Sn/Pb alloy terminations ☒
8	50 u" Au contacts; Tin plated terminations	8	50 u" Au contacts; Tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
00	None	00	Jam nut
	WIRING OPTIONS:		WIRING OPTIONS:
00	None	00	None
XX	See wiring codes, Page NA-2	XX	See wiring codes, Page NA-2

☒ = Option not RoHS compliant

Circular Connectors
Panel Mounting
Dimensions

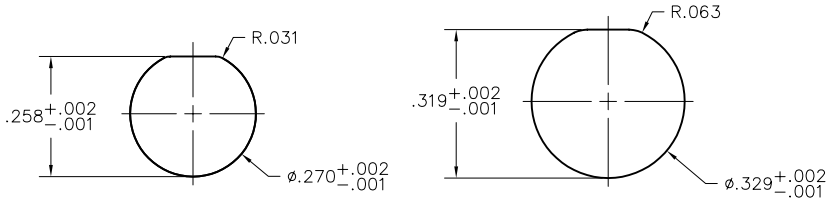
FRONT PANEL MOUNT



7 POSITION

19 POSITION

REAR PANEL MOUNT



7 POSITION

19 POSITION

"N" SERIES ACCESSORIES

AirBorn Standard Nano Wire Codes

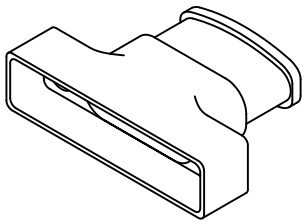
Wire Code	Wire Size	Wire Spec	Wire Color	Wire Length (+1.0"/-0.0")
AA	30 AWG	NEMA HP3	Color Coded *	6.0
AB	30 AWG	NEMA HP3	Color Coded *	12.0
AC	30 AWG	NEMA HP3	Color Coded *	18.0
AD	30 AWG	NEMA HP3	Color Coded *	36.0
AE	30 AWG	NEMA HP3	White	6.0
AF	30 AWG	NEMA HP3	White	12.0
AG	30 AWG	NEMA HP3	White	18.0
AH	30 AWG	NEMA HP3	White	36.0
AJ	30 AWG	NEMA HP3	Yellow	6.0
AK	30 AWG	NEMA HP3	Yellow	12.0
AL	30 AWG	NEMA HP3	Yellow	18.0
AM	30 AWG	NEMA HP3	Yellow	36.0
AN	32 AWG	NEMA HP3	Color Coded *	6.0
AP	32 AWG	NEMA HP3	Color Coded *	12.0
AQ	32 AWG	NEMA HP3	Color Coded *	18.0
AR	32 AWG	NEMA HP3	Color Coded *	36.0
AS	32 AWG	NEMA HP3	White	6.0
AT	32 AWG	NEMA HP3	White	12.0
AU	32 AWG	NEMA HP3	White	18.0
AV	32 AWG	NEMA HP3	White	36.0
AW	32 AWG	NEMA HP3	Yellow	6.0
AX	32 AWG	NEMA HP3	Yellow	12.0
AY	32 AWG	NEMA HP3	Yellow	18.0
AZ	32 AWG	NEMA HP3	Yellow	36.0
BA	30 AWG	SAE-AS22759/33 ☒	Color Coded *	6.0
BB	30 AWG	SAE-AS22759/33 ☒	Color Coded *	12.0
BC	30 AWG	SAE-AS22759/33 ☒	Color Coded *	18.0
BD	30 AWG	SAE-AS22759/33 ☒	Color Coded *	36.0
BE	30 AWG	SAE-AS22759/33 ☒	White	6.0
BF	30 AWG	SAE-AS22759/33 ☒	White	12.0
BG	30 AWG	SAE-AS22759/33 ☒	White	18.0
BH	30 AWG	SAE-AS22759/33 ☒	White	36.0
CA	30 AWG	04047-30A ☒	Color Coded *	6.0
CB	30 AWG	04047-30A ☒	Color Coded *	12.0
CC	30 AWG	04047-30A ☒	Color Coded *	18.0
CD	30 AWG	04047-30A ☒	Color Coded *	36.0
CE	30 AWG	04047-30A ☒	White	6.0
CF	30 AWG	04047-30A ☒	White	12.0
CG	30 AWG	04047-30A ☒	White	18.0
CH	30 AWG	04047-30A ☒	White	36.0

- NEMA HP3 has replaced MIL-W-16878/6 TFE 7-strand ET
- Consult factory for other available wire types.

* = Color coding in accordance with MIL-STD-681, System I, except using ten solid colors only in repeating sequence.

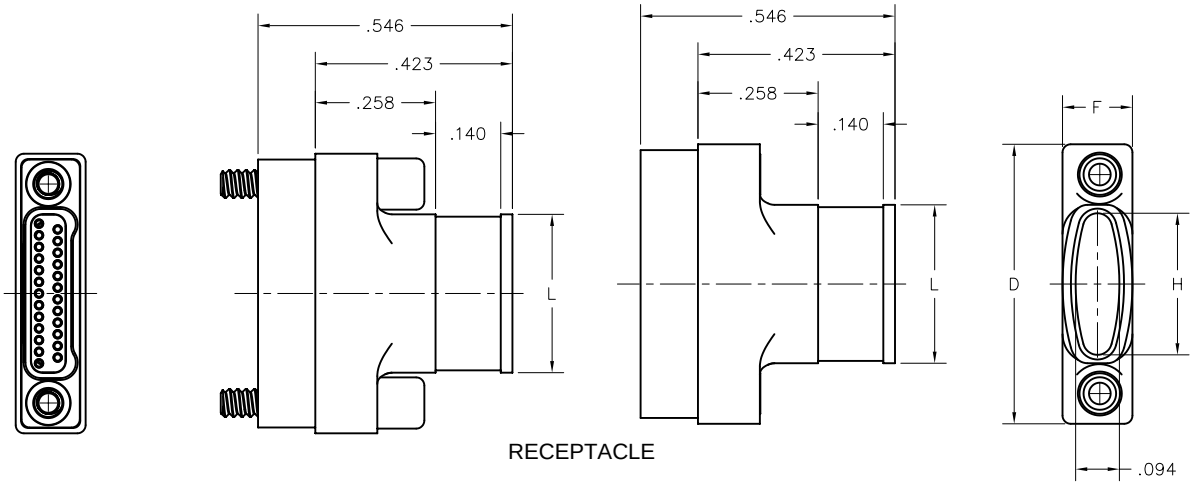
☒ = Option not RoHS compliant

2 ◦ ROW
BACKSHELLS

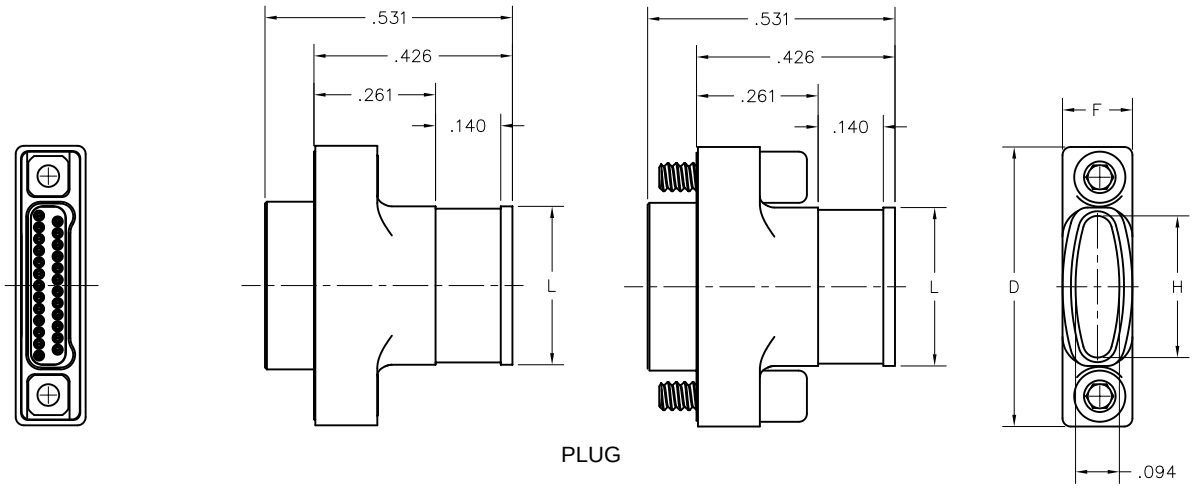


NM

Size 9 thru 91



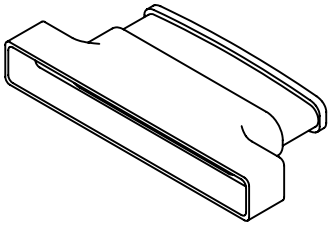
RECEPTACLE



PLUG

DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.400	.150	.104	.140	#0–80
15	.475		.179	.215	
21	.550		.254	.290	
25	.600		.304	.340	
31	.675		.379	.415	
37	.750		.454	.490	
51	.925		.629	.665	
65	1.100		.804	.840	
69	1.150		.854	.890	
85	1.402	.175	1.054	1.090	#2–56
91	1.477	.175	1.129	1.165	

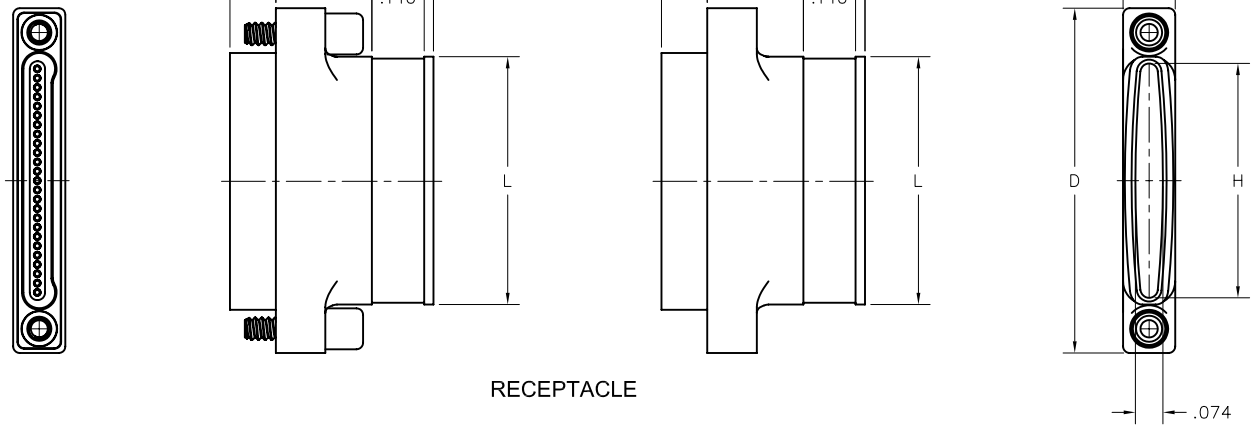
THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY, SEE PAGE N-38



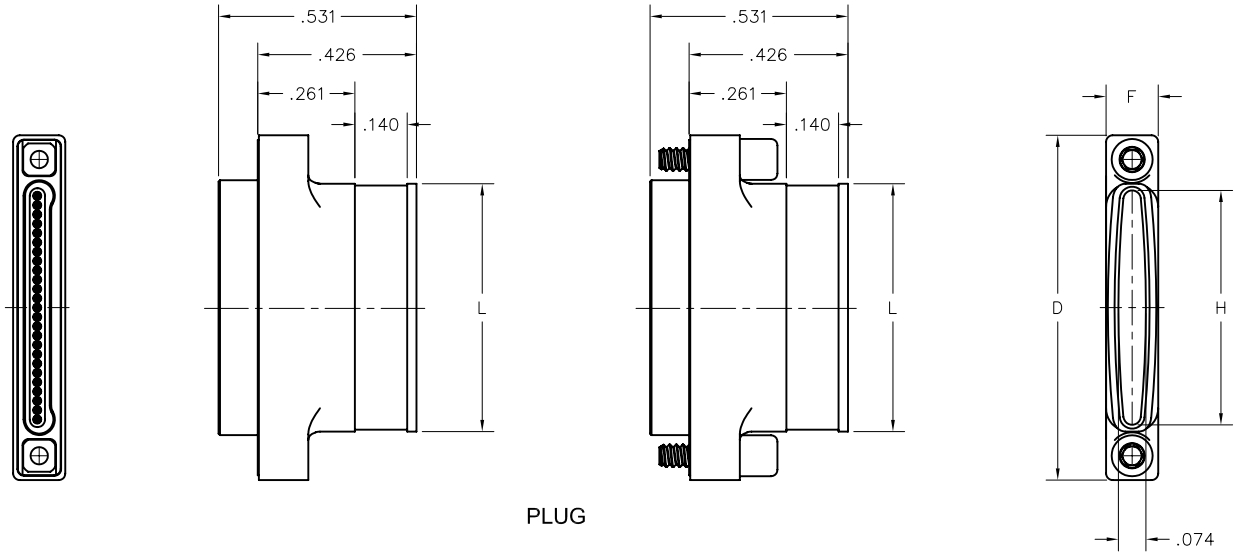
1 ROW BACKSHELLS

NM

Size 9 thru 51



RECEPTACLE



PLUG

DIMENSIONS					
SIZE	D	F	H	L	HARDWARE
9	.525	.140	.229	.265	#0–80
15	.675		.379	.415	
21	.825		.529	.565	
25	.925		.629	.665	
31	1.075		.779	.815	
37	1.225		.929	.965	
51	1.575		1.279	1.315	

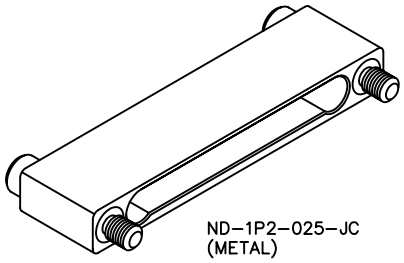
THESE BACKSHELLS ARE AVAILABLE FACTORY INSTALLED ONLY. SEE PAGE N-10

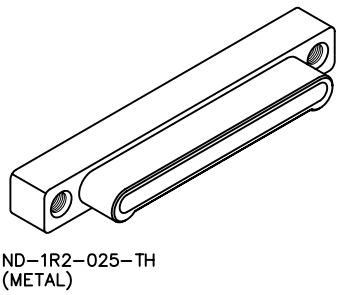
Ask About AirBorn's Accelerated Delivery Service

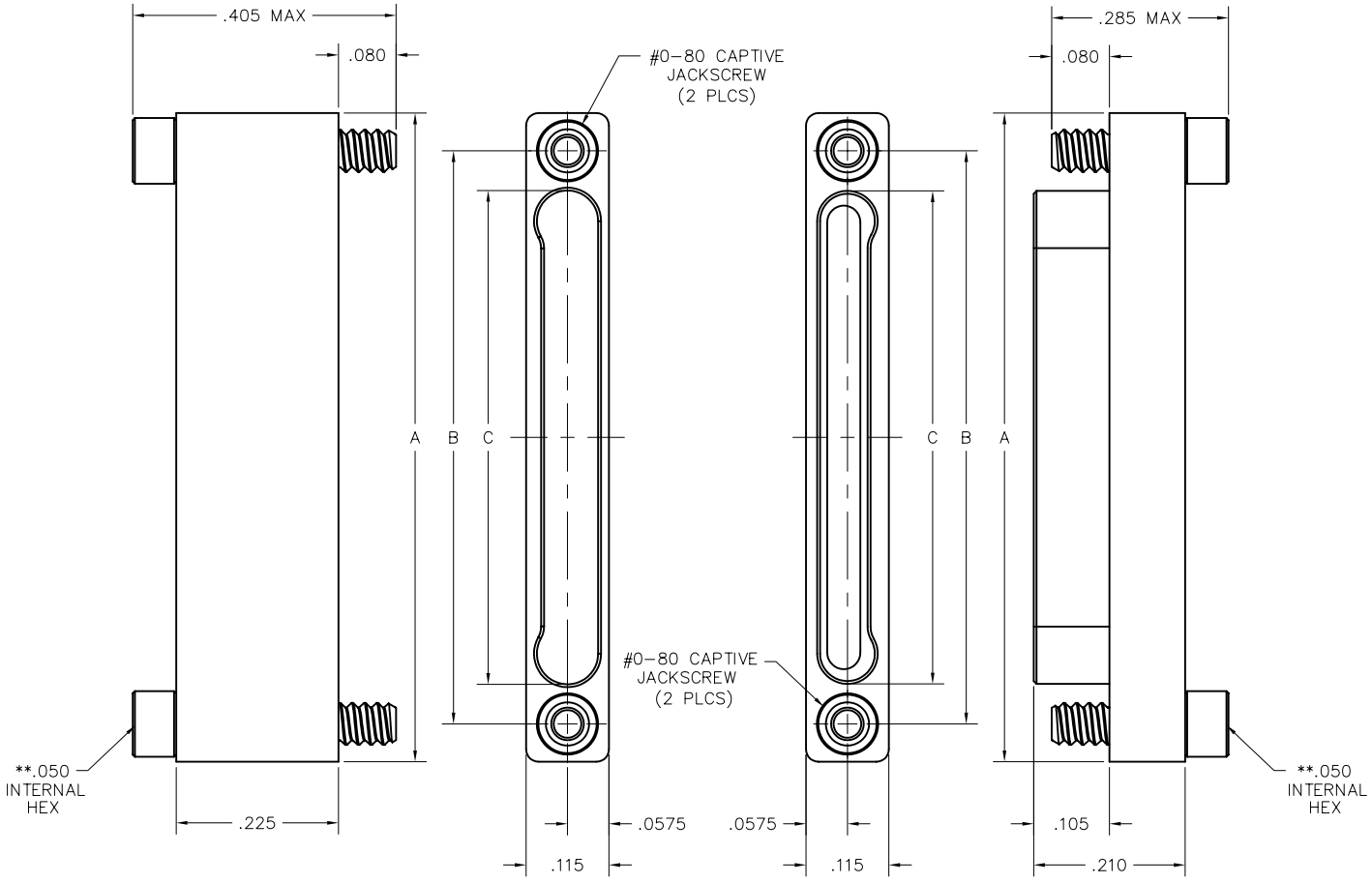
1 · ROW
Dust Cover

ND

Size 9 thru 51







PLUG COVER

RECEPTACLE COVER

DIMENSIONS				
SIZE	A	B	C	
			PLUG	RCPT
9	.500	.395	.285	.284
15	.650	.545	.435	.434
21	.800	.695	.585	.584
25	.900	.795	.685	.684
31	1.050	.945	.835	.834
37	1.200	1.095	.985	.984
51	1.550	1.445	1.335	1.334

** = HEX MEASUREMENT TAKEN ACROSS THE FLATS.

PLUG COVER: ND–1P2–009–JC
RECEPTACLE COVER: ND–1R2–009–TH
XX–XXX–XXX–XX

PLUG COVER		RECEPTACLE COVER	
SERIES			
ND	.025" Metal Dust Cover	ND	.025" Metal Dust Cover
BODY			
1	1-Row	1	1-Row
	BODY STYLE:		BODY STYLE:
P	Plug cover	R	Receptacle cover
	BODY PLATING:		BODY PLATING:
2	Electroless nickel	2	Electroless nickel
3	Electrodeposited cadmium ☒	3	Electrodeposited cadmium ☒
SIZE			
XXX	009, 015, 021, 025, 031, 037 or 051	XXX	009, 015, 021, 025, 031, 037 or 051
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
TH	Threaded hole, #0-80 UNF	TH	Threaded hole, #0-80 UNF

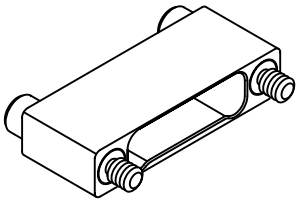
* = Recommended torque value 1.0 inch-lbs. max.
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.

☒ = Option not RoHS compliant

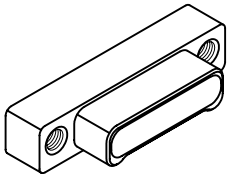
2 · ROW
Dust Cover

ND

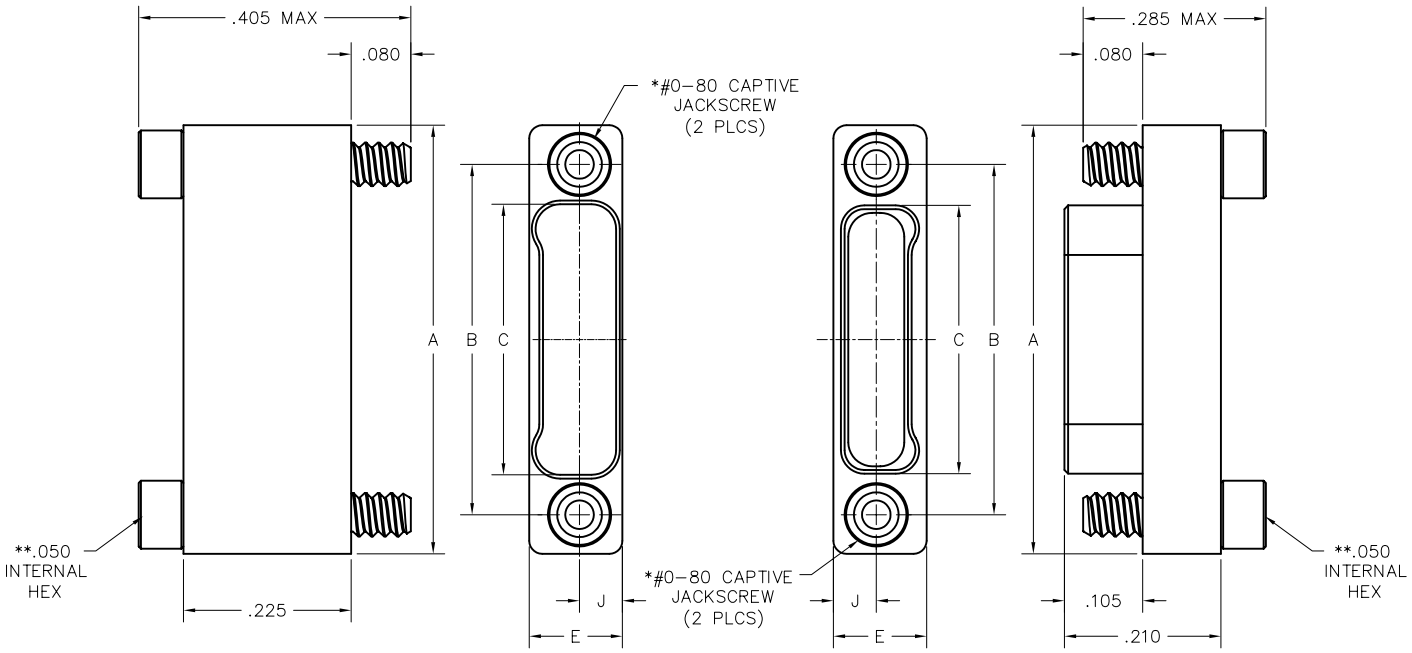
Size 9 thru 85



ND–2P2–025–JC
(METAL)



ND–2R2–025–TH
(METAL)



PLUG COVER

RECEPTACLE COVER

DIMENSIONS							
SIZE	A	B	C		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.163	.160	.125	.0575	#0–80 THREAD
15	.450	.345	.238	.235			
21	.525	.420	.313	.310			
25	.575	.470	.363	.360			
31	.650	.545	.438	.435			
37	.725	.620	.513	.510			
51	.900	.795	.688	.685			
65	1.075	.970	.863	.860			
69	1.125	1.020	.913	.910			
85	1.377	1.246	1.113	1.110	.150	.0700	#2–56 THREAD

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG COVER: ND–2P2–009–JC
RECEPTACLE COVER: ND–2R2–009–TH

XX–XXX–XXX–XX

PLUG COVER		RECEPTACLE COVER	
SERIES			
ND	.025" Metal Dust Cover	ND	.025" Metal Dust Cover
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
P	Plug cover	R	Receptacle cover
	BODY PLATING:		BODY PLATING:
2	Electroless nickel	2	Electroless nickel
3	Electrodeposited cadmium ☒	3	Electrodeposited cadmium ☒
SIZE			
XXX	009, 015, 021, 025, 031, 037, 051, 065, 069 or 085	XXX	009, 015, 021, 025, 031, 037, 051, 065, 069 or 085
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
TH	Threaded hole, #0-80 UNF*	TH	Threaded hole, #0-80 UNF*

* = #2-56 UNC thread on 85 position covers
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

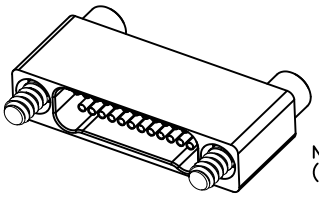
☒ = Option not RoHS compliant

AirBorn

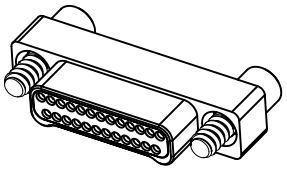
2 ◦ ROW
Shorting
.025"

NMSH

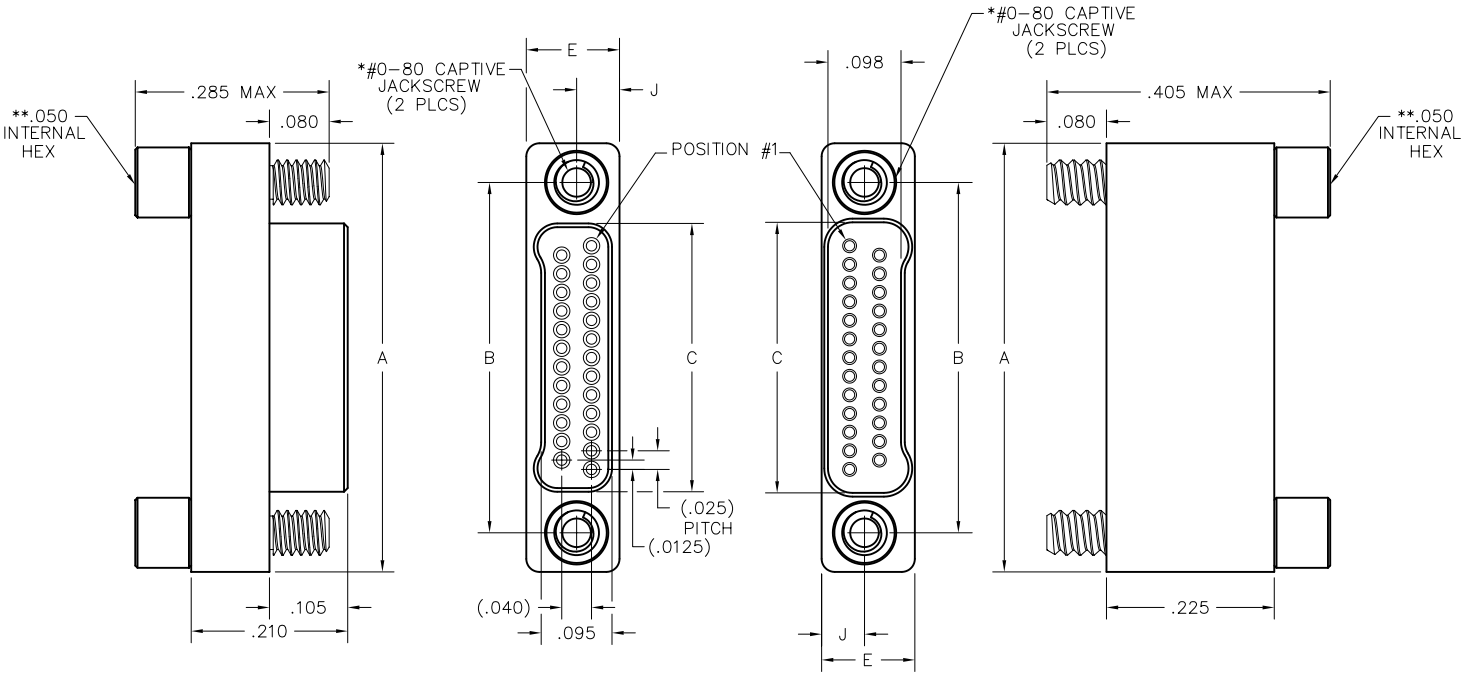
9 thru 85 Contacts



NMSH–222–025–225–JC00
(METAL)

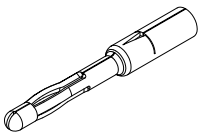


NMSH–212–025–125–JC00
(METAL)



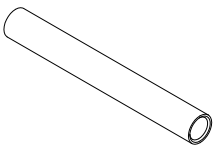
PLUG

RECEPTACLE



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

DIMENSIONS							
SIZE	A	B	C		E	J	*HARDWARE
			PLUG	RCPT			
9	.375	.270	.160	.163	.125	.0575	#0–80 THREAD
15	.450	.345	.235	.238			
21	.525	.420	.310	.313			
25	.575	.470	.360	.363			
31	.650	.545	.435	.438			
37	.725	.620	.510	.513			
51	.900	.795	.685	.688			
65	1.075	.970	.860	.863			
69	1.125	1.020	.910	.913			
85	1.377	1.246	1.110	1.113	.150	.0700	#2–56 THREAD



SOCKET CONTACT
DRAWN TUBE, CRIMP

* = #2–56 UNC THREAD ON 85 POSITION CONNECTORS.
** = 1/16" HEX ON 85 POSITION CONNECTORS. HEX MEASUREMENTS TAKEN ACROSS THE FLATS.

PLUG: NMSH–212–025–125–JC00
RECEPTACLE: NMSH–222–025–225–JC00

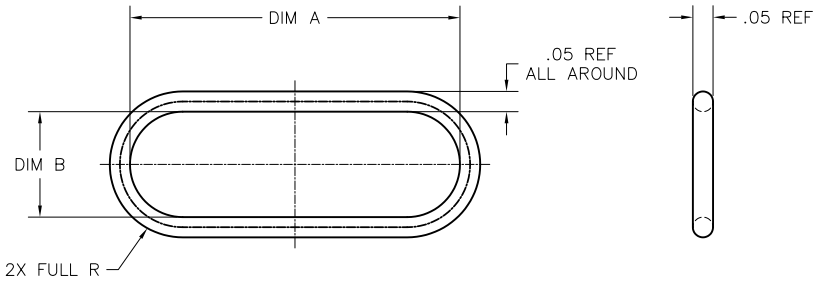
XXXX–XXX–XXX–XXX–XXXX–XXX

	PLUG		RECEPTACLE
SERIES			
	NMSH .025" Metal I/O Connector		NMSH .025" Metal I/O Connector
BODY			
2	2-Row	2	2-Row
	BODY STYLE:		BODY STYLE:
1	Plug, straight	2	Receptacle, straight
	BODY MATERIAL:		BODY MATERIAL:
2	Liquid Crystal Polymer w/ electroless nickel shell	2	Liquid Crystal Polymer w/ electroless nickel shell
3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒	3	Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒
SIZE			
XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)	XXX	Number of contacts (009, 015, 021, 025, 031, 037, 051, 065, 069, or 085)
CONTACTS			
	TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:
12	Pin, none	22	Socket, none
	PLATING OPTIONS:		PLATING OPTIONS:
5	50 u" Au contacts, Sn/Pb alloy terminations ☒	5	50 u" Au contacts, Sn/Pb alloy terminations ☒
8	50 u" Au contacts, tin plated terminations	8	50 u" Au contacts, tin plated terminations
HARDWARE			
	STYLE OF HARDWARE:		STYLE OF HARDWARE:
JC	Turning jackscrews, captivated #0-80 UNF*	JC	Turning jackscrews, captivated #0-80 UNF*
TH	Threaded hole, #0-80 UNF*	TH	Threaded hole, #0-80 UNF*
	WIRING OPTIONS:		WIRING OPTIONS:
00	None, all contacts shorted together (not to shell)	00	None, all contacts shorted together (not to shell)
OPTIONS			
yyy	Selectively shorted contacts. Contact factory for modification code.		

* = #2-56 UNC thread on 85 position connectors
.050 hex key (#0-80 thread)
1/16" hex key (#2-56 thread)
Recommended torque value 1.0 inch-lbs. max. (#0-80 thread)
Recommended torque value 2.0 inch-lbs. max. (#2-56 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME / ANSI-B-18.3 is recommended.
.050" hex L-key long arm wrench - order AirBorn p/n CDG14148.
1/16" hex L-key long arm wrench - order AirBorn p/n CDG14160.

☒ = Option not RoHS compliant

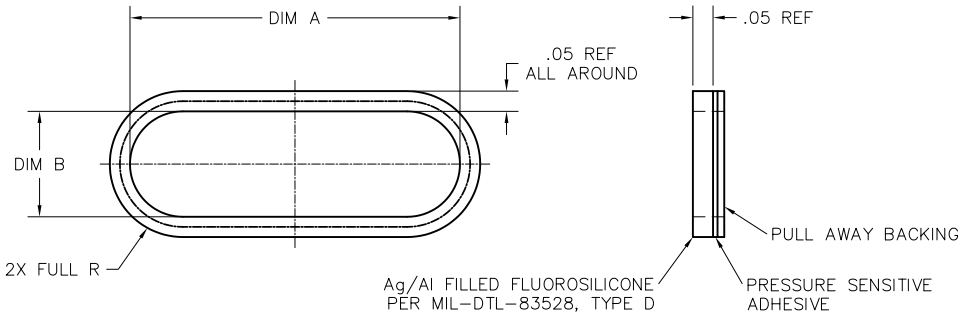
O-Rings, Fluorosilicone



DIMENSIONS (Ref Only)			
SIZE	CONTACT ROWS	A	B
9	2	.73	.23
15		.81	
21		.88	
25		.93	
31		1.01	
37		1.08	
51		1.26	
65		1.43	
69		1.48	
85	2	1.73	.26

PART NUMBERS	
SIZE	P/N
9	CDP1980
15	CDP1981
21	CDP1982
25	CDP1983
31	CDP1984
37	CDP1985
51	CDP1986
65	CDP1987
69	CDP1988
85	CDP1989

EMI Gasket, Fluorosilicone



DIMENSIONS (Ref Only)			
SIZE	CONTACT ROWS	A	B
9	2	.74	.24
15		.81	
21		.89	
25		.94	
31		1.01	
37		1.09	
51		1.26	
65		1.44	
69		1.49	
85	2	1.74	.26

PART NUMBERS	
SIZE	P/N
9	CDP1990
15	CDP1991
21	CDP1992
25	CDP1993
31	CDP1994
37	CDP1995
51	CDP1996
65	CDP1997
69	CDP1998
85	CDP1999

AirBorn

Military Cross Reference Chart

M32139/01

M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A01SC	NM-113-009-161-JCAE	A01SN	NM-112-009-161-JCAE	A01SS	NM-114-009-161-JCAE	A01ST	NM-115-009-161-JCAE
B01SC	NM-113-015-161-JCAE	B01SN	NM-112-015-161-JCAE	B01SS	NM-114-015-161-JCAE	B01ST	NM-115-015-161-JCAE
C01SC	NM-113-021-161-JCAE	C01SN	NM-112-021-161-JCAE	C01SS	NM-114-021-161-JCAE	C01ST	NM-115-021-161-JCAE
D01SC	NM-113-025-161-JCAE	D01SN	NM-112-025-161-JCAE	D01SS	NM-114-025-161-JCAE	D01ST	NM-115-025-161-JCAE
E01SC	NM-113-031-161-JCAE	E01SN	NM-112-031-161-JCAE	E01SS	NM-114-031-161-JCAE	E01ST	NM-115-031-161-JCAE
F01SC	NM-113-037-161-JCAE	F01SN	NM-112-037-161-JCAE	F01SS	NM-114-037-161-JCAE	F01ST	NM-115-037-161-JCAE
G01SC	NM-113-051-161-JCAE	G01SN	NM-112-051-161-JCAE	G01SS	NM-114-051-161-JCAE	G01ST	NM-115-051-161-JCAE
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A02SC	NM-113-009-161-JCAG	A02SN	NM-112-009-161-JCAG	A02SS	NM-114-009-161-JCAG	A02ST	NM-115-009-161-JCAG
B02SC	NM-113-015-161-JCAG	B02SN	NM-112-015-161-JCAG	B02SS	NM-114-015-161-JCAG	B02ST	NM-115-015-161-JCAG
C02SC	NM-113-021-161-JCAG	C02SN	NM-112-021-161-JCAG	C02SS	NM-114-021-161-JCAG	C02ST	NM-115-021-161-JCAG
D02SC	NM-113-025-161-JCAG	D02SN	NM-112-025-161-JCAG	D02SS	NM-114-025-161-JCAG	D02ST	NM-115-025-161-JCAG
E02SC	NM-113-031-161-JCAG	E02SN	NM-112-031-161-JCAG	E02SS	NM-114-031-161-JCAG	E02ST	NM-115-031-161-JCAG
F02SC	NM-113-037-161-JCAG	F02SN	NM-112-037-161-JCAG	F02SS	NM-114-037-161-JCAG	F02ST	NM-115-037-161-JCAG
G02SC	NM-113-051-161-JCAG	G02SN	NM-112-051-161-JCAG	G02SS	NM-114-051-161-JCAG	G02ST	NM-115-051-161-JCAG
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A03SC	NM-113-009-161-JCAH	A03SN	NM-112-009-161-JCAH	A03SS	NM-114-009-161-JCAH	A03ST	NM-115-009-161-JCAH
B03SC	NM-113-015-161-JCAH	B03SN	NM-112-015-161-JCAH	B03SS	NM-114-015-161-JCAH	B03ST	NM-115-015-161-JCAH
C03SC	NM-113-021-161-JCAH	C03SN	NM-112-021-161-JCAH	C03SS	NM-114-021-161-JCAH	C03ST	NM-115-021-161-JCAH
D03SC	NM-113-025-161-JCAH	D03SN	NM-112-025-161-JCAH	D03SS	NM-114-025-161-JCAH	D03ST	NM-115-025-161-JCAH
E03SC	NM-113-031-161-JCAH	E03SN	NM-112-031-161-JCAH	E03SS	NM-114-031-161-JCAH	E03ST	NM-115-031-161-JCAH
F03SC	NM-113-037-161-JCAH	F03SN	NM-112-037-161-JCAH	F03SS	NM-114-037-161-JCAH	F03ST	NM-115-037-161-JCAH
G03SC	NM-113-051-161-JCAH	G03SN	NM-112-051-161-JCAH	G03SS	NM-114-051-161-JCAH	G03ST	NM-115-051-161-JCAH
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A04SC	NM-113-009-161-JCAA	A04SN	NM-112-009-161-JCAA	A04SS	NM-114-009-161-JCAA	A04ST	NM-115-009-161-JCAA
B04SC	NM-113-015-161-JCAA	B04SN	NM-112-015-161-JCAA	B04SS	NM-114-015-161-JCAA	B04ST	NM-115-015-161-JCAA
C04SC	NM-113-021-161-JCAA	C04SN	NM-112-021-161-JCAA	C04SS	NM-114-021-161-JCAA	C04ST	NM-115-021-161-JCAA
D04SC	NM-113-025-161-JCAA	D04SN	NM-112-025-161-JCAA	D04SS	NM-114-025-161-JCAA	D04ST	NM-115-025-161-JCAA
E04SC	NM-113-031-161-JCAA	E04SN	NM-112-031-161-JCAA	E04SS	NM-114-031-161-JCAA	E04ST	NM-115-031-161-JCAA
F04SC	NM-113-037-161-JCAA	F04SN	NM-112-037-161-JCAA	F04SS	NM-114-037-161-JCAA	F04ST	NM-115-037-161-JCAA
G04SC	NM-113-051-161-JCAA	G04SN	NM-112-051-161-JCAA	G04SS	NM-114-051-161-JCAA	G04ST	NM-115-051-161-JCAA
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A05SC	NM-113-009-161-JCAC	A05SN	NM-112-009-161-JCAC	A05SS	NM-114-009-161-JCAC	A05ST	NM-115-009-161-JCAC
B05SC	NM-113-015-161-JCAC	B05SN	NM-112-015-161-JCAC	B05SS	NM-114-015-161-JCAC	B05ST	NM-115-015-161-JCAC
C05SC	NM-113-021-161-JCAC	C05SN	NM-112-021-161-JCAC	C05SS	NM-114-021-161-JCAC	C05ST	NM-115-021-161-JCAC
D05SC	NM-113-025-161-JCAC	D05SN	NM-112-025-161-JCAC	D05SS	NM-114-025-161-JCAC	D05ST	NM-115-025-161-JCAC
E05SC	NM-113-031-161-JCAC	E05SN	NM-112-031-161-JCAC	E05SS	NM-114-031-161-JCAC	E05ST	NM-115-031-161-JCAC
F05SC	NM-113-037-161-JCAC	F05SN	NM-112-037-161-JCAC	F05SS	NM-114-037-161-JCAC	F05ST	NM-115-037-161-JCAC
G05SC	NM-113-051-161-JCAC	G05SN	NM-112-051-161-JCAC	G05SS	NM-114-051-161-JCAC	G05ST	NM-115-051-161-JCAC
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A06SC	NM-113-009-161-JCAD	A06SN	NM-112-009-161-JCAD	A06SS	NM-114-009-161-JCAD	A06ST	NM-115-009-161-JCAD
B06SC	NM-113-015-161-JCAD	B06SN	NM-112-015-161-JCAD	B06SS	NM-114-015-161-JCAD	B06ST	NM-115-015-161-JCAD
C06SC	NM-113-021-161-JCAD	C06SN	NM-112-021-161-JCAD	C06SS	NM-114-021-161-JCAD	C06ST	NM-115-021-161-JCAD
D06SC	NM-113-025-161-JCAD	D06SN	NM-112-025-161-JCAD	D06SS	NM-114-025-161-JCAD	D06ST	NM-115-025-161-JCAD
E06SC	NM-113-031-161-JCAD	E06SN	NM-112-031-161-JCAD	E06SS	NM-114-031-161-JCAD	E06ST	NM-115-031-161-JCAD
F06SC	NM-113-037-161-JCAD	F06SN	NM-112-037-161-JCAD	F06SS	NM-114-037-161-JCAD	F06ST	NM-115-037-161-JCAD
G06SC	NM-113-051-161-JCAD	G06SN	NM-112-051-161-JCAD	G06SS	NM-114-051-161-JCAD	G06ST	NM-115-051-161-JCAD

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SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/01-	M32139/01-	M32139/01-	M32139/01-
A07SC NM-113-009-161-JCBE	A07SN(S) NM-112-009-161-JCBE	A07SS(S) NM-114-009-161-JCBE	A07ST(S) NM-115-009-161-JCBE
B07SC NM-113-015-161-JCBE	B07SN(S) NM-112-015-161-JCBE	B07SS(S) NM-114-015-161-JCBE	B07ST(S) NM-115-015-161-JCBE
C07SC NM-113-021-161-JCBE	C07SN(S) NM-112-021-161-JCBE	C07SS(S) NM-114-021-161-JCBE	C07ST(S) NM-115-021-161-JCBE
D07SC NM-113-025-161-JCBE	D07SN(S) NM-112-025-161-JCBE	D07SS(S) NM-114-025-161-JCBE	D07ST(S) NM-115-025-161-JCBE
E07SC NM-113-031-161-JCBE	E07SN(S) NM-112-031-161-JCBE	E07SS(S) NM-114-031-161-JCBE	E07ST(S) NM-115-031-161-JCBE
F07SC NM-113-037-161-JCBE	F07SN(S) NM-112-037-161-JCBE	F07SS(S) NM-114-037-161-JCBE	F07ST(S) NM-115-037-161-JCBE
G07SC NM-113-051-161-JCBE	G07SN(S) NM-112-051-161-JCBE	G07SS(S) NM-114-051-161-JCBE	G07ST(S) NM-115-051-161-JCBE
M32139/01-	M32139/01-	M32139/01-	M32139/01-
A08SC NM-113-009-161-JCBG	A08SN(S) NM-112-009-161-JCBG	A08SS(S) NM-114-009-161-JCBG	A08ST(S) NM-115-009-161-JCBG
B08SC NM-113-015-161-JCBG	B08SN(S) NM-112-015-161-JCBG	B08SS(S) NM-114-015-161-JCBG	B08ST(S) NM-115-015-161-JCBG
C08SC NM-113-021-161-JCBG	C08SN(S) NM-112-021-161-JCBG	C08SS(S) NM-114-021-161-JCBG	C08ST(S) NM-115-021-161-JCBG
D08SC NM-113-025-161-JCBG	D08SN(S) NM-112-025-161-JCBG	D08SS(S) NM-114-025-161-JCBG	D08ST(S) NM-115-025-161-JCBG
E08SC NM-113-031-161-JCBG	E08SN(S) NM-112-031-161-JCBG	E08SS(S) NM-114-031-161-JCBG	E08ST(S) NM-115-031-161-JCBG
F08SC NM-113-037-161-JCBG	F08SN(S) NM-112-037-161-JCBG	F08SS(S) NM-114-037-161-JCBG	F08ST(S) NM-115-037-161-JCBG
G08SC NM-113-051-161-JCBG	G08SN(S) NM-112-051-161-JCBG	G08SS(S) NM-114-051-161-JCBG	G08ST(S) NM-115-051-161-JCBG
M32139/01-	M32139/01-	M32139/01-	M32139/01-
A09SC NM-113-009-161-JCBH	A09SN(S) NM-112-009-161-JCBH	A09SS(S) NM-114-009-161-JCBH	A09ST(S) NM-115-009-161-JCBH
B09SC NM-113-015-161-JCBH	B09SN(S) NM-112-015-161-JCBH	B09SS(S) NM-114-015-161-JCBH	B09ST(S) NM-115-015-161-JCBH
C09SC NM-113-021-161-JCBH	C09SN(S) NM-112-021-161-JCBH	C09SS(S) NM-114-021-161-JCBH	C09ST(S) NM-115-021-161-JCBH
D09SC NM-113-025-161-JCBH	D09SN(S) NM-112-025-161-JCBH	D09SS(S) NM-114-025-161-JCBH	D09ST(S) NM-115-025-161-JCBH
E09SC NM-113-031-161-JCBH	E09SN(S) NM-112-031-161-JCBH	E09SS(S) NM-114-031-161-JCBH	E09ST(S) NM-115-031-161-JCBH
F09SC NM-113-037-161-JCBH	F09SN(S) NM-112-037-161-JCBH	F09SS(S) NM-114-037-161-JCBH	F09ST(S) NM-115-037-161-JCBH
G09SC NM-113-051-161-JCBH	G09SN(S) NM-112-051-161-JCBH	G09SS(S) NM-114-051-161-JCBH	G09ST(S) NM-115-051-161-JCBH
M32139/01-	M32139/01-	M32139/01-	M32139/01-
A10SC NM-113-009-161-JCBA	A10SN(S) NM-112-009-161-JCBA	A10SS(S) NM-114-009-161-JCBA	A10ST(S) NM-115-009-161-JCBA
B10SC NM-113-015-161-JCBA	B10SN(S) NM-112-015-161-JCBA	B10SS(S) NM-114-015-161-JCBA	B10ST(S) NM-115-015-161-JCBA
C10SC NM-113-021-161-JCBA	C10SN(S) NM-112-021-161-JCBA	C10SS(S) NM-114-021-161-JCBA	C10ST(S) NM-115-021-161-JCBA
D10SC NM-113-025-161-JCBA	D10SN(S) NM-112-025-161-JCBA	D10SS(S) NM-114-025-161-JCBA	D10ST(S) NM-115-025-161-JCBA
E10SC NM-113-031-161-JCBA	E10SN(S) NM-112-031-161-JCBA	E10SS(S) NM-114-031-161-JCBA	E10ST(S) NM-115-031-161-JCBA
F10SC NM-113-037-161-JCBA	F10SN(S) NM-112-037-161-JCBA	F10SS(S) NM-114-037-161-JCBA	F10ST(S) NM-115-037-161-JCBA
G10SC NM-113-051-161-JCBA	G10SN(S) NM-112-051-161-JCBA	G10SS(S) NM-114-051-161-JCBA	G10ST(S) NM-115-051-161-JCBA
M32139/01-	M32139/01-	M32139/01-	M32139/01-
A11SC NM-113-009-161-JCBC	A11SN(S) NM-112-009-161-JCBC	A11SS(S) NM-114-009-161-JCBC	A11ST(S) NM-115-009-161-JCBC
B11SC NM-113-015-161-JCBC	B11SN(S) NM-112-015-161-JCBC	B11SS(S) NM-114-015-161-JCBC	B11ST(S) NM-115-015-161-JCBC
C11SC NM-113-021-161-JCBC	C11SN(S) NM-112-021-161-JCBC	C11SS(S) NM-114-021-161-JCBC	C11ST(S) NM-115-021-161-JCBC
D11SC NM-113-025-161-JCBC	D11SN(S) NM-112-025-161-JCBC	D11SS(S) NM-114-025-161-JCBC	D11ST(S) NM-115-025-161-JCBC
E11SC NM-113-031-161-JCBC	E11SN(S) NM-112-031-161-JCBC	E11SS(S) NM-114-031-161-JCBC	E11ST(S) NM-115-031-161-JCBC
F11SC NM-113-037-161-JCBC	F11SN(S) NM-112-037-161-JCBC	F11SS(S) NM-114-037-161-JCBC	F11ST(S) NM-115-037-161-JCBC
G11SC NM-113-051-161-JCBC	G11SN(S) NM-112-051-161-JCBC	G11SS(S) NM-114-051-161-JCBC	G11ST(S) NM-115-051-161-JCBC
M32139/01-	M32139/01-	M32139/01-	M32139/01-
A12SC NM-113-009-161-JCBD	A12SN(S) NM-112-009-161-JCBD	A12SS(S) NM-114-009-161-JCBD	A12ST(S) NM-115-009-161-JCBD
B12SC NM-113-015-161-JCBD	B12SN(S) NM-112-015-161-JCBD	B12SS(S) NM-114-015-161-JCBD	B12ST(S) NM-115-015-161-JCBD
C12SC NM-113-021-161-JCBD	C12SN(S) NM-112-021-161-JCBD	C12SS(S) NM-114-021-161-JCBD	C12ST(S) NM-115-021-161-JCBD
D12SC NM-113-025-161-JCBD	D12SN(S) NM-112-025-161-JCBD	D12SS(S) NM-114-025-161-JCBD	D12ST(S) NM-115-025-161-JCBD
E12SC NM-113-031-161-JCBD	E12SN(S) NM-112-031-161-JCBD	E12SS(S) NM-114-031-161-JCBD	E12ST(S) NM-115-031-161-JCBD
F12SC NM-113-037-161-JCBD	F12SN(S) NM-112-037-161-JCBD	F12SS(S) NM-114-037-161-JCBD	F12ST(S) NM-115-037-161-JCBD
G12SC NM-113-051-161-JCBD	G12SN(S) NM-112-051-161-JCBD	G12SS(S) NM-114-051-161-JCBD	G12ST(S) NM-115-051-161-JCBD

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SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

M32139/01

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M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A13SC	NM-113-009-161-JCCE	A13SN	NM-112-009-161-JCCE	A13SS	NM-114-009-161-JCCE	A13ST	NM-115-009-161-JCCE
B13SC	NM-113-015-161-JCCE	B13SN	NM-112-015-161-JCCE	B13SS	NM-114-015-161-JCCE	B13ST	NM-115-015-161-JCCE
C13SC	NM-113-021-161-JCCE	C13SN	NM-112-021-161-JCCE	C13SS	NM-114-021-161-JCCE	C13ST	NM-115-021-161-JCCE
D13SC	NM-113-025-161-JCCE	D13SN	NM-112-025-161-JCCE	D13SS	NM-114-025-161-JCCE	D13ST	NM-115-025-161-JCCE
E13SC	NM-113-031-161-JCCE	E13SN	NM-112-031-161-JCCE	E13SS	NM-114-031-161-JCCE	E13ST	NM-115-031-161-JCCE
F13SC	NM-113-037-161-JCCE	F13SN	NM-112-037-161-JCCE	F13SS	NM-114-037-161-JCCE	F13ST	NM-115-037-161-JCCE
G13SC	NM-113-051-161-JCCE	G13SN	NM-112-051-161-JCCE	G13SS	NM-114-051-161-JCCE	G13ST	NM-115-051-161-JCCE
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A14SC	NM-113-009-161-JCCG	A14SN	NM-112-009-161-JCCG	A14SS	NM-114-009-161-JCCG	A14ST	NM-115-009-161-JCCG
B14SC	NM-113-015-161-JCCG	B14SN	NM-112-015-161-JCCG	B14SS	NM-114-015-161-JCCG	B14ST	NM-115-015-161-JCCG
C14SC	NM-113-021-161-JCCG	C14SN	NM-112-021-161-JCCG	C14SS	NM-114-021-161-JCCG	C14ST	NM-115-021-161-JCCG
D14SC	NM-113-025-161-JCCG	D14SN	NM-112-025-161-JCCG	D14SS	NM-114-025-161-JCCG	D14ST	NM-115-025-161-JCCG
E14SC	NM-113-031-161-JCCG	E14SN	NM-112-031-161-JCCG	E14SS	NM-114-031-161-JCCG	E14ST	NM-115-031-161-JCCG
F14SC	NM-113-037-161-JCCG	F14SN	NM-112-037-161-JCCG	F14SS	NM-114-037-161-JCCG	F14ST	NM-115-037-161-JCCG
G14SC	NM-113-051-161-JCCG	G14SN	NM-112-051-161-JCCG	G14SS	NM-114-051-161-JCCG	G14ST	NM-115-051-161-JCCG
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A15SC	NM-113-009-161-JCCH	A15SN	NM-112-009-161-JCCH	A15SS	NM-114-009-161-JCCH	A15ST	NM-115-009-161-JCCH
B15SC	NM-113-015-161-JCCH	B15SN	NM-112-015-161-JCCH	B15SS	NM-114-015-161-JCCH	B15ST	NM-115-015-161-JCCH
C15SC	NM-113-021-161-JCCH	C15SN	NM-112-021-161-JCCH	C15SS	NM-114-021-161-JCCH	C15ST	NM-115-021-161-JCCH
D15SC	NM-113-025-161-JCCH	D15SN	NM-112-025-161-JCCH	D15SS	NM-114-025-161-JCCH	D15ST	NM-115-025-161-JCCH
E15SC	NM-113-031-161-JCCH	E15SN	NM-112-031-161-JCCH	E15SS	NM-114-031-161-JCCH	E15ST	NM-115-031-161-JCCH
F15SC	NM-113-037-161-JCCH	F15SN	NM-112-037-161-JCCH	F15SS	NM-114-037-161-JCCH	F15ST	NM-115-037-161-JCCH
G15SC	NM-113-051-161-JCCH	G15SN	NM-112-051-161-JCCH	G15SS	NM-114-051-161-JCCH	G15ST	NM-115-051-161-JCCH
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A16SC	NM-113-009-161-JCCA	A16SN	NM-112-009-161-JCCA	A16SS	NM-114-009-161-JCCA	A16ST	NM-115-009-161-JCCA
B16SC	NM-113-015-161-JCCA	B16SN	NM-112-015-161-JCCA	B16SS	NM-114-015-161-JCCA	B16ST	NM-115-015-161-JCCA
C16SC	NM-113-021-161-JCCA	C16SN	NM-112-021-161-JCCA	C16SS	NM-114-021-161-JCCA	C16ST	NM-115-021-161-JCCA
D16SC	NM-113-025-161-JCCA	D16SN	NM-112-025-161-JCCA	D16SS	NM-114-025-161-JCCA	D16ST	NM-115-025-161-JCCA
E16SC	NM-113-031-161-JCCA	E16SN	NM-112-031-161-JCCA	E16SS	NM-114-031-161-JCCA	E16ST	NM-115-031-161-JCCA
F16SC	NM-113-037-161-JCCA	F16SN	NM-112-037-161-JCCA	F16SS	NM-114-037-161-JCCA	F16ST	NM-115-037-161-JCCA
G16SC	NM-113-051-161-JCCA	G16SN	NM-112-051-161-JCCA	G16SS	NM-114-051-161-JCCA	G16ST	NM-115-051-161-JCCA
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A17SC	NM-113-009-161-JCCC	A17SN	NM-112-009-161-JCCC	A17SS	NM-114-009-161-JCCC	A17ST	NM-115-009-161-JCCC
B17SC	NM-113-015-161-JCCC	B17SN	NM-112-015-161-JCCC	B17SS	NM-114-015-161-JCCC	B17ST	NM-115-015-161-JCCC
C17SC	NM-113-021-161-JCCC	C17SN	NM-112-021-161-JCCC	C17SS	NM-114-021-161-JCCC	C17ST	NM-115-021-161-JCCC
D17SC	NM-113-025-161-JCCC	D17SN	NM-112-025-161-JCCC	D17SS	NM-114-025-161-JCCC	D17ST	NM-115-025-161-JCCC
E17SC	NM-113-031-161-JCCC	E17SN	NM-112-031-161-JCCC	E17SS	NM-114-031-161-JCCC	E17ST	NM-115-031-161-JCCC
F17SC	NM-113-037-161-JCCC	F17SN	NM-112-037-161-JCCC	F17SS	NM-114-037-161-JCCC	F17ST	NM-115-037-161-JCCC
G17SC	NM-113-051-161-JCCC	G17SN	NM-112-051-161-JCCC	G17SS	NM-114-051-161-JCCC	G17ST	NM-115-051-161-JCCC
M32139/01-		M32139/01-		M32139/01-		M32139/01-	
A18SC	NM-113-009-161-JCCD	A18SN	NM-112-009-161-JCCD	A18SS	NM-114-009-161-JCCD	A18ST	NM-115-009-161-JCCD
B18SC	NM-113-015-161-JCCD	B18SN	NM-112-015-161-JCCD	B18SS	NM-114-015-161-JCCD	B18ST	NM-115-015-161-JCCD
C18SC	NM-113-021-161-JCCD	C18SN	NM-112-021-161-JCCD	C18SS	NM-114-021-161-JCCD	C18ST	NM-115-021-161-JCCD
D18SC	NM-113-025-161-JCCD	D18SN	NM-112-025-161-JCCD	D18SS	NM-114-025-161-JCCD	D18ST	NM-115-025-161-JCCD
E18SC	NM-113-031-161-JCCD	E18SN	NM-112-031-161-JCCD	E18SS	NM-114-031-161-JCCD	E18ST	NM-115-031-161-JCCD
F18SC	NM-113-037-161-JCCD	F18SN	NM-112-037-161-JCCD	F18SS	NM-114-037-161-JCCD	F18ST	NM-115-037-161-JCCD
G18SC	NM-113-051-161-JCCD	G18SN	NM-112-051-161-JCCD	G18SS	NM-114-051-161-JCCD	G18ST	NM-115-051-161-JCCD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A01TC	NM-123-009-261-THAE	A01TN	NM-122-009-261-THAE	A01TS	NM-124-009-261-THAE	A01TT	NM-125-009-261-THAE
B01TC	NM-123-015-261-THAE	B01TN	NM-122-015-261-THAE	B01TS	NM-124-015-261-THAE	B01TT	NM-125-015-261-THAE
C01TC	NM-123-021-261-THAE	C01TN	NM-122-021-261-THAE	C01TS	NM-124-021-261-THAE	C01TT	NM-125-021-261-THAE
D01TC	NM-123-025-261-THAE	D01TN	NM-122-025-261-THAE	D01TS	NM-124-025-261-THAE	D01TT	NM-125-025-261-THAE
E01TC	NM-123-031-261-THAE	E01TN	NM-122-031-261-THAE	E01TS	NM-124-031-261-THAE	E01TT	NM-125-031-261-THAE
F01TC	NM-123-037-261-THAE	F01TN	NM-122-037-261-THAE	F01TS	NM-124-037-261-THAE	F01TT	NM-125-037-261-THAE
G01TC	NM-123-051-261-THAE	G01TN	NM-122-051-261-THAE	G01TS	NM-124-051-261-THAE	G01TT	NM-125-051-261-THAE
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A02TC	NM-123-009-261-THAG	A02TN	NM-122-009-261-THAG	A02TS	NM-124-009-261-THAG	A02TT	NM-125-009-261-THAG
B02TC	NM-123-015-261-THAG	B02TN	NM-122-015-261-THAG	B02TS	NM-124-015-261-THAG	B02TT	NM-125-015-261-THAG
C02TC	NM-123-021-261-THAG	C02TN	NM-122-021-261-THAG	C02TS	NM-124-021-261-THAG	C02TT	NM-125-021-261-THAG
D02TC	NM-123-025-261-THAG	D02TN	NM-122-025-261-THAG	D02TS	NM-124-025-261-THAG	D02TT	NM-125-025-261-THAG
E02TC	NM-123-031-261-THAG	E02TN	NM-122-031-261-THAG	E02TS	NM-124-031-261-THAG	E02TT	NM-125-031-261-THAG
F02TC	NM-123-037-261-THAG	F02TN	NM-122-037-261-THAG	F02TS	NM-124-037-261-THAG	F02TT	NM-125-037-261-THAG
G02TC	NM-123-051-261-THAG	G02TN	NM-122-051-261-THAG	G02TS	NM-124-051-261-THAG	G02TT	NM-125-051-261-THAG
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A03TC	NM-123-009-261-THAH	A03TN	NM-122-009-261-THAH	A03TS	NM-124-009-261-THAH	A03TT	NM-125-009-261-THAH
B03TC	NM-123-015-261-THAH	B03TN	NM-122-015-261-THAH	B03TS	NM-124-015-261-THAH	B03TT	NM-125-015-261-THAH
C03TC	NM-123-021-261-THAH	C03TN	NM-122-021-261-THAH	C03TS	NM-124-021-261-THAH	C03TT	NM-125-021-261-THAH
D03TC	NM-123-025-261-THAH	D03TN	NM-122-025-261-THAH	D03TS	NM-124-025-261-THAH	D03TT	NM-125-025-261-THAH
E03TC	NM-123-031-261-THAH	E03TN	NM-122-031-261-THAH	E03TS	NM-124-031-261-THAH	E03TT	NM-125-031-261-THAH
F03TC	NM-123-037-261-THAH	F03TN	NM-122-037-261-THAH	F03TS	NM-124-037-261-THAH	F03TT	NM-125-037-261-THAH
G03TC	NM-123-051-261-THAH	G03TN	NM-122-051-261-THAH	G03TS	NM-124-051-261-THAH	G03TT	NM-125-051-261-THAH
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A04TC	NM-123-009-261-THAA	A04TN	NM-122-009-261-THAA	A04TS	NM-124-009-261-THAA	A04TT	NM-125-009-261-THAA
B04TC	NM-123-015-261-THAA	B04TN	NM-122-015-261-THAA	B04TS	NM-124-015-261-THAA	B04TT	NM-125-015-261-THAA
C04TC	NM-123-021-261-THAA	C04TN	NM-122-021-261-THAA	C04TS	NM-124-021-261-THAA	C04TT	NM-125-021-261-THAA
D04TC	NM-123-025-261-THAA	D04TN	NM-122-025-261-THAA	D04TS	NM-124-025-261-THAA	D04TT	NM-125-025-261-THAA
E04TC	NM-123-031-261-THAA	E04TN	NM-122-031-261-THAA	E04TS	NM-124-031-261-THAA	E04TT	NM-125-031-261-THAA
F04TC	NM-123-037-261-THAA	F04TN	NM-122-037-261-THAA	F04TS	NM-124-037-261-THAA	F04TT	NM-125-037-261-THAA
G04TC	NM-123-051-261-THAA	G04TN	NM-122-051-261-THAA	G04TS	NM-124-051-261-THAA	G04TT	NM-125-051-261-THAA
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A05TC	NM-123-009-261-THAC	A05TN	NM-122-009-261-THAC	A05TS	NM-124-009-261-THAC	A05TT	NM-125-009-261-THAC
B05TC	NM-123-015-261-THAC	B05TN	NM-122-015-261-THAC	B05TS	NM-124-015-261-THAC	B05TT	NM-125-015-261-THAC
C05TC	NM-123-021-261-THAC	C05TN	NM-122-021-261-THAC	C05TS	NM-124-021-261-THAC	C05TT	NM-125-021-261-THAC
D05TC	NM-123-025-261-THAC	D05TN	NM-122-025-261-THAC	D05TS	NM-124-025-261-THAC	D05TT	NM-125-025-261-THAC
E05TC	NM-123-031-261-THAC	E05TN	NM-122-031-261-THAC	E05TS	NM-124-031-261-THAC	E05TT	NM-125-031-261-THAC
F05TC	NM-123-037-261-THAC	F05TN	NM-122-037-261-THAC	F05TS	NM-124-037-261-THAC	F05TT	NM-125-037-261-THAC
G05TC	NM-123-051-261-THAC	G05TN	NM-122-051-261-THAC	G05TS	NM-124-051-261-THAC	G05TT	NM-125-051-261-THAC
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A06TC	NM-123-009-261-THAD	A06TN	NM-122-009-261-THAD	A06TS	NM-124-009-261-THAD	A06TT	NM-125-009-261-THAD
B06TC	NM-123-015-261-THAD	B06TN	NM-122-015-261-THAD	B06TS	NM-124-015-261-THAD	B06TT	NM-125-015-261-THAD
C06TC	NM-123-021-261-THAD	C06TN	NM-122-021-261-THAD	C06TS	NM-124-021-261-THAD	C06TT	NM-125-021-261-THAD
D06TC	NM-123-025-261-THAD	D06TN	NM-122-025-261-THAD	D06TS	NM-124-025-261-THAD	D06TT	NM-125-025-261-THAD
E06TC	NM-123-031-261-THAD	E06TN	NM-122-031-261-THAD	E06TS	NM-124-031-261-THAD	E06TT	NM-125-031-261-THAD
F06TC	NM-123-037-261-THAD	F06TN	NM-122-037-261-THAD	F06TS	NM-124-037-261-THAD	F06TT	NM-125-037-261-THAD
G06TC	NM-123-051-261-THAD	G06TN	NM-122-051-261-THAD	G06TS	NM-124-051-261-THAD	G06TT	NM-125-051-261-THAD

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SPACE CLASS DESIGNATOR - (S)

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Ask About AirBorn's Accelerated Delivery Service

Military Cross Reference Chart

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M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A07TC	NM-123-009-261-THBE	A07TN(S)	NM-122-009-261-THBE	A07TS(S)	NM-124-009-261-THBE	A07TT(S)	NM-125-009-261-THBE
B07TC	NM-123-015-261-THBE	B07TN(S)	NM-122-015-261-THBE	B07TS(S)	NM-124-015-261-THBE	B07TT(S)	NM-125-015-261-THBE
C07TC	NM-123-021-261-THBE	C07TN(S)	NM-122-021-261-THBE	C07TS(S)	NM-124-021-261-THBE	C07TT(S)	NM-125-021-261-THBE
D07TC	NM-123-025-261-THBE	D07TN(S)	NM-122-025-261-THBE	D07TS(S)	NM-124-025-261-THBE	D07TT(S)	NM-125-025-261-THBE
E07TC	NM-123-031-261-THBE	E07TN(S)	NM-122-031-261-THBE	E07TS(S)	NM-124-031-261-THBE	E07TT(S)	NM-125-031-261-THBE
F07TC	NM-123-037-261-THBE	F07TN(S)	NM-122-037-261-THBE	F07TS(S)	NM-124-037-261-THBE	F07TT(S)	NM-125-037-261-THBE
G07TC	NM-123-051-261-THBE	G07TN(S)	NM-122-051-261-THBE	G07TS(S)	NM-124-051-261-THBE	G07TT(S)	NM-125-051-261-THBE
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A08TC	NM-123-009-261-THBG	A08TN(S)	NM-122-009-261-THBG	A08TS(S)	NM-124-009-261-THBG	A08TT(S)	NM-125-009-261-THBG
B08TC	NM-123-015-261-THBG	B08TN(S)	NM-122-015-261-THBG	B08TS(S)	NM-124-015-261-THBG	B08TT(S)	NM-125-015-261-THBG
C08TC	NM-123-021-261-THBG	C08TN(S)	NM-122-021-261-THBG	C08TS(S)	NM-124-021-261-THBG	C08TT(S)	NM-125-021-261-THBG
D08TC	NM-123-025-261-THBG	D08TN(S)	NM-122-025-261-THBG	D08TS(S)	NM-124-025-261-THBG	D08TT(S)	NM-125-025-261-THBG
E08TC	NM-123-031-261-THBG	E08TN(S)	NM-122-031-261-THBG	E08TS(S)	NM-124-031-261-THBG	E08TT(S)	NM-125-031-261-THBG
F08TC	NM-123-037-261-THBG	F08TN(S)	NM-122-037-261-THBG	F08TS(S)	NM-124-037-261-THBG	F08TT(S)	NM-125-037-261-THBG
G08TC	NM-123-051-261-THBG	G08TN(S)	NM-122-051-261-THBG	G08TS(S)	NM-124-051-261-THBG	G08TT(S)	NM-125-051-261-THBG
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A09TC	NM-123-009-261-THBH	A09TN(S)	NM-122-009-261-THBH	A09TS(S)	NM-124-009-261-THBH	A09TT(S)	NM-125-009-261-THBH
B09TC	NM-123-015-261-THBH	B09TN(S)	NM-122-015-261-THBH	B09TS(S)	NM-124-015-261-THBH	B09TT(S)	NM-125-015-261-THBH
C09TC	NM-123-021-261-THBH	C09TN(S)	NM-122-021-261-THBH	C09TS(S)	NM-124-021-261-THBH	C09TT(S)	NM-125-021-261-THBH
D09TC	NM-123-025-261-THBH	D09TN(S)	NM-122-025-261-THBH	D09TS(S)	NM-124-025-261-THBH	D09TT(S)	NM-125-025-261-THBH
E09TC	NM-123-031-261-THBH	E09TN(S)	NM-122-031-261-THBH	E09TS(S)	NM-124-031-261-THBH	E09TT(S)	NM-125-031-261-THBH
F09TC	NM-123-037-261-THBH	F09TN(S)	NM-122-037-261-THBH	F09TS(S)	NM-124-037-261-THBH	F09TT(S)	NM-125-037-261-THBH
G09TC	NM-123-051-261-THBH	G09TN(S)	NM-122-051-261-THBH	G09TS(S)	NM-124-051-261-THBH	G09TT(S)	NM-125-051-261-THBH
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A10TC	NM-123-009-261-THBA	A10TN(S)	NM-122-009-261-THBA	A10TS(S)	NM-124-009-261-THBA	A10TT(S)	NM-125-009-261-THBA
B10TC	NM-123-015-261-THBA	B10TN(S)	NM-122-015-261-THBA	B10TS(S)	NM-124-015-261-THBA	B10TT(S)	NM-125-015-261-THBA
C10TC	NM-123-021-261-THBA	C10TN(S)	NM-122-021-261-THBA	C10TS(S)	NM-124-021-261-THBA	C10TT(S)	NM-125-021-261-THBA
D10TC	NM-123-025-261-THBA	D10TN(S)	NM-122-025-261-THBA	D10TS(S)	NM-124-025-261-THBA	D10TT(S)	NM-125-025-261-THBA
E10TC	NM-123-031-261-THBA	E10TN(S)	NM-122-031-261-THBA	E10TS(S)	NM-124-031-261-THBA	E10TT(S)	NM-125-031-261-THBA
F10TC	NM-123-037-261-THBA	F10TN(S)	NM-122-037-261-THBA	F10TS(S)	NM-124-037-261-THBA	F10TT(S)	NM-125-037-261-THBA
G10TC	NM-123-051-261-THBA	G10TN(S)	NM-122-051-261-THBA	G10TS(S)	NM-124-051-261-THBA	G10TT(S)	NM-125-051-261-THBA
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A11TC	NM-123-009-261-THBC	A11TN(S)	NM-122-009-261-THBC	A11TS(S)	NM-124-009-261-THBC	A11TT(S)	NM-125-009-261-THBC
B11TC	NM-123-015-261-THBC	B11TN(S)	NM-122-015-261-THBC	B11TS(S)	NM-124-015-261-THBC	B11TT(S)	NM-125-015-261-THBC
C11TC	NM-123-021-261-THBC	C11TN(S)	NM-122-021-261-THBC	C11TS(S)	NM-124-021-261-THBC	C11TT(S)	NM-125-021-261-THBC
D11TC	NM-123-025-261-THBC	D11TN(S)	NM-122-025-261-THBC	D11TS(S)	NM-124-025-261-THBC	D11TT(S)	NM-125-025-261-THBC
E11TC	NM-123-031-261-THBC	E11TN(S)	NM-122-031-261-THBC	E11TS(S)	NM-124-031-261-THBC	E11TT(S)	NM-125-031-261-THBC
F11TC	NM-123-037-261-THBC	F11TN(S)	NM-122-037-261-THBC	F11TS(S)	NM-124-037-261-THBC	F11TT(S)	NM-125-037-261-THBC
G11TC	NM-123-051-261-THBC	G11TN(S)	NM-122-051-261-THBC	G11TS(S)	NM-124-051-261-THBC	G11TT(S)	NM-125-051-261-THBC
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A12TC	NM-123-009-261-THBD	A12TN(S)	NM-122-009-261-THBD	A12TS(S)	NM-124-009-261-THBD	A12TT(S)	NM-125-009-261-THBD
B12TC	NM-123-015-261-THBD	B12TN(S)	NM-122-015-261-THBD	B12TS(S)	NM-124-015-261-THBD	B12TT(S)	NM-125-015-261-THBD
C12TC	NM-123-021-261-THBD	C12TN(S)	NM-122-021-261-THBD	C12TS(S)	NM-124-021-261-THBD	C12TT(S)	NM-125-021-261-THBD
D12TC	NM-123-025-261-THBD	D12TN(S)	NM-122-025-261-THBD	D12TS(S)	NM-124-025-261-THBD	D12TT(S)	NM-125-025-261-THBD
E12TC	NM-123-031-261-THBD	E12TN(S)	NM-122-031-261-THBD	E12TS(S)	NM-124-031-261-THBD	E12TT(S)	NM-125-031-261-THBD
F12TC	NM-123-037-261-THBD	F12TN(S)	NM-122-037-261-THBD	F12TS(S)	NM-124-037-261-THBD	F12TT(S)	NM-125-037-261-THBD
G12TC	NM-123-051-261-THBD	G12TN(S)	NM-122-051-261-THBD	G12TS(S)	NM-124-051-261-THBD	G12TT(S)	NM-125-051-261-THBD

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SPACE CLASS DESIGNATOR - (S)

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Military Cross Reference Chart

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M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A13TC	NM-123-009-261-THCE	A13TN	NM-122-009-261-THCE	A13TS	NM-124-009-261-THCE	A13TT	NM-125-009-261-THCE
B13TC	NM-123-015-261-THCE	B13TN	NM-122-015-261-THCE	B13TS	NM-124-015-261-THCE	B13TT	NM-125-015-261-THCE
C13TC	NM-123-021-261-THCE	C13TN	NM-122-021-261-THCE	C13TS	NM-124-021-261-THCE	C13TT	NM-125-021-261-THCE
D13TC	NM-123-025-261-THCE	D13TN	NM-122-025-261-THCE	D13TS	NM-124-025-261-THCE	D13TT	NM-125-025-261-THCE
E13TC	NM-123-031-261-THCE	E13TN	NM-122-031-261-THCE	E13TS	NM-124-031-261-THCE	E13TT	NM-125-031-261-THCE
F13TC	NM-123-037-261-THCE	F13TN	NM-122-037-261-THCE	F13TS	NM-124-037-261-THCE	F13TT	NM-125-037-261-THCE
G13TC	NM-123-051-261-THCE	G13TN	NM-122-051-261-THCE	G13TS	NM-124-051-261-THCE	G13TT	NM-125-051-261-THCE
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A14TC	NM-123-009-261-THCG	A14TN	NM-122-009-261-THCG	A14TS	NM-124-009-261-THCG	A14TT	NM-125-009-261-THCG
B14TC	NM-123-015-261-THCG	B14TN	NM-122-015-261-THCG	B14TS	NM-124-015-261-THCG	B14TT	NM-125-015-261-THCG
C14TC	NM-123-021-261-THCG	C14TN	NM-122-021-261-THCG	C14TS	NM-124-021-261-THCG	C14TT	NM-125-021-261-THCG
D14TC	NM-123-025-261-THCG	D14TN	NM-122-025-261-THCG	D14TS	NM-124-025-261-THCG	D14TT	NM-125-025-261-THCG
E14TC	NM-123-031-261-THCG	E14TN	NM-122-031-261-THCG	E14TS	NM-124-031-261-THCG	E14TT	NM-125-031-261-THCG
F14TC	NM-123-037-261-THCG	F14TN	NM-122-037-261-THCG	F14TS	NM-124-037-261-THCG	F14TT	NM-125-037-261-THCG
G14TC	NM-123-051-261-THCG	G14TN	NM-122-051-261-THCG	G14TS	NM-124-051-261-THCG	G14TT	NM-125-051-261-THCG
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A15TC	NM-123-009-261-THCH	A15TN	NM-122-009-261-THCH	A15TS	NM-124-009-261-THCH	A15TT	NM-125-009-261-THCH
B15TC	NM-123-015-261-THCH	B15TN	NM-122-015-261-THCH	B15TS	NM-124-015-261-THCH	B15TT	NM-125-015-261-THCH
C15TC	NM-123-021-261-THCH	C15TN	NM-122-021-261-THCH	C15TS	NM-124-021-261-THCH	C15TT	NM-125-021-261-THCH
D15TC	NM-123-025-261-THCH	D15TN	NM-122-025-261-THCH	D15TS	NM-124-025-261-THCH	D15TT	NM-125-025-261-THCH
E15TC	NM-123-031-261-THCH	E15TN	NM-122-031-261-THCH	E15TS	NM-124-031-261-THCH	E15TT	NM-125-031-261-THCH
F15TC	NM-123-037-261-THCH	F15TN	NM-122-037-261-THCH	F15TS	NM-124-037-261-THCH	F15TT	NM-125-037-261-THCH
G15TC	NM-123-051-261-THCH	G15TN	NM-122-051-261-THCH	G15TS	NM-124-051-261-THCH	G15TT	NM-125-051-261-THCH
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A16TC	NM-123-009-261-THCA	A16TN	NM-122-009-261-THCA	A16TS	NM-124-009-261-THCA	A16TT	NM-125-009-261-THCA
B16TC	NM-123-015-261-THCA	B16TN	NM-122-015-261-THCA	B16TS	NM-124-015-261-THCA	B16TT	NM-125-015-261-THCA
C16TC	NM-123-021-261-THCA	C16TN	NM-122-021-261-THCA	C16TS	NM-124-021-261-THCA	C16TT	NM-125-021-261-THCA
D16TC	NM-123-025-261-THCA	D16TN	NM-122-025-261-THCA	D16TS	NM-124-025-261-THCA	D16TT	NM-125-025-261-THCA
E16TC	NM-123-031-261-THCA	E16TN	NM-122-031-261-THCA	E16TS	NM-124-031-261-THCA	E16TT	NM-125-031-261-THCA
F16TC	NM-123-037-261-THCA	F16TN	NM-122-037-261-THCA	F16TS	NM-124-037-261-THCA	F16TT	NM-125-037-261-THCA
G16TC	NM-123-051-261-THCA	G16TN	NM-122-051-261-THCA	G16TS	NM-124-051-261-THCA	G16TT	NM-125-051-261-THCA
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A17TC	NM-123-009-261-THCC	A17TN	NM-122-009-261-THCC	A17TS	NM-124-009-261-THCC	A17TT	NM-125-009-261-THCC
B17TC	NM-123-015-261-THCC	B17TN	NM-122-015-261-THCC	B17TS	NM-124-015-261-THCC	B17TT	NM-125-015-261-THCC
C17TC	NM-123-021-261-THCC	C17TN	NM-122-021-261-THCC	C17TS	NM-124-021-261-THCC	C17TT	NM-125-021-261-THCC
D17TC	NM-123-025-261-THCC	D17TN	NM-122-025-261-THCC	D17TS	NM-124-025-261-THCC	D17TT	NM-125-025-261-THCC
E17TC	NM-123-031-261-THCC	E17TN	NM-122-031-261-THCC	E17TS	NM-124-031-261-THCC	E17TT	NM-125-031-261-THCC
F17TC	NM-123-037-261-THCC	F17TN	NM-122-037-261-THCC	F17TS	NM-124-037-261-THCC	F17TT	NM-125-037-261-THCC
G17TC	NM-123-051-261-THCC	G17TN	NM-122-051-261-THCC	G17TS	NM-124-051-261-THCC	G17TT	NM-125-051-261-THCC
M32139/02-		M32139/02-		M32139/02-		M32139/02-	
A18TC	NM-123-009-261-THCD	A18TN	NM-122-009-261-THCD	A18TS	NM-124-009-261-THCD	A18TT	NM-125-009-261-THCD
B18TC	NM-123-015-261-THCD	B18TN	NM-122-015-261-THCD	B18TS	NM-124-015-261-THCD	B18TT	NM-125-015-261-THCD
C18TC	NM-123-021-261-THCD	C18TN	NM-122-021-261-THCD	C18TS	NM-124-021-261-THCD	C18TT	NM-125-021-261-THCD
D18TC	NM-123-025-261-THCD	D18TN	NM-122-025-261-THCD	D18TS	NM-124-025-261-THCD	D18TT	NM-125-025-261-THCD
E18TC	NM-123-031-261-THCD	E18TN	NM-122-031-261-THCD	E18TS	NM-124-031-261-THCD	E18TT	NM-125-031-261-THCD
F18TC	NM-123-037-261-THCD	F18TN	NM-122-037-261-THCD	F18TS	NM-124-037-261-THCD	F18TT	NM-125-037-261-THCD
G18TC	NM-123-051-261-THCD	G18TN	NM-122-051-261-THCD	G18TS	NM-124-051-261-THCD	G18TT	NM-125-051-261-THCD

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SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A01SC	NM-213-009-161-JCAE	A01SN	NM-212-009-161-JCAE	A01SS	NM-214-009-161-JCAE	A01ST	NM-215-009-161-JCAE
B01SC	NM-213-015-161-JCAE	B01SN	NM-212-015-161-JCAE	B01SS	NM-214-015-161-JCAE	B01ST	NM-215-015-161-JCAE
C01SC	NM-213-021-161-JCAE	C01SN	NM-212-021-161-JCAE	C01SS	NM-214-021-161-JCAE	C01ST	NM-215-021-161-JCAE
D01SC	NM-213-025-161-JCAE	D01SN	NM-212-025-161-JCAE	D01SS	NM-214-025-161-JCAE	D01ST	NM-215-025-161-JCAE
E01SC	NM-213-031-161-JCAE	E01SN	NM-212-031-161-JCAE	E01SS	NM-214-031-161-JCAE	E01ST	NM-215-031-161-JCAE
F01SC	NM-213-037-161-JCAE	F01SN	NM-212-037-161-JCAE	F01SS	NM-214-037-161-JCAE	F01ST	NM-215-037-161-JCAE
G01SC	NM-213-051-161-JCAE	G01SN	NM-212-051-161-JCAE	G01SS	NM-214-051-161-JCAE	G01ST	NM-215-051-161-JCAE
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A02SC	NM-213-009-161-JCAG	A02SN	NM-212-009-161-JCAG	A02SS	NM-214-009-161-JCAG	A02ST	NM-215-009-161-JCAG
B02SC	NM-213-015-161-JCAG	B02SN	NM-212-015-161-JCAG	B02SS	NM-214-015-161-JCAG	B02ST	NM-215-015-161-JCAG
C02SC	NM-213-021-161-JCAG	C02SN	NM-212-021-161-JCAG	C02SS	NM-214-021-161-JCAG	C02ST	NM-215-021-161-JCAG
D02SC	NM-213-025-161-JCAG	D02SN	NM-212-025-161-JCAG	D02SS	NM-214-025-161-JCAG	D02ST	NM-215-025-161-JCAG
E02SC	NM-213-031-161-JCAG	E02SN	NM-212-031-161-JCAG	E02SS	NM-214-031-161-JCAG	E02ST	NM-215-031-161-JCAG
F02SC	NM-213-037-161-JCAG	F02SN	NM-212-037-161-JCAG	F02SS	NM-214-037-161-JCAG	F02ST	NM-215-037-161-JCAG
G02SC	NM-213-051-161-JCAG	G02SN	NM-212-051-161-JCAG	G02SS	NM-214-051-161-JCAG	G02ST	NM-215-051-161-JCAG
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A03SC	NM-213-009-161-JCAH	A03SN	NM-212-009-161-JCAH	A03SS	NM-214-009-161-JCAH	A03ST	NM-215-009-161-JCAH
B03SC	NM-213-015-161-JCAH	B03SN	NM-212-015-161-JCAH	B03SS	NM-214-015-161-JCAH	B03ST	NM-215-015-161-JCAH
C03SC	NM-213-021-161-JCAH	C03SN	NM-212-021-161-JCAH	C03SS	NM-214-021-161-JCAH	C03ST	NM-215-021-161-JCAH
D03SC	NM-213-025-161-JCAH	D03SN	NM-212-025-161-JCAH	D03SS	NM-214-025-161-JCAH	D03ST	NM-215-025-161-JCAH
E03SC	NM-213-031-161-JCAH	E03SN	NM-212-031-161-JCAH	E03SS	NM-214-031-161-JCAH	E03ST	NM-215-031-161-JCAH
F03SC	NM-213-037-161-JCAH	F03SN	NM-212-037-161-JCAH	F03SS	NM-214-037-161-JCAH	F03ST	NM-215-037-161-JCAH
G03SC	NM-213-051-161-JCAH	G03SN	NM-212-051-161-JCAH	G03SS	NM-214-051-161-JCAH	G03ST	NM-215-051-161-JCAH
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A04SC	NM-213-009-161-JCAA	A04SN	NM-212-009-161-JCAA	A04SS	NM-214-009-161-JCAA	A04ST	NM-215-009-161-JCAA
B04SC	NM-213-015-161-JCAA	B04SN	NM-212-015-161-JCAA	B04SS	NM-214-015-161-JCAA	B04ST	NM-215-015-161-JCAA
C04SC	NM-213-021-161-JCAA	C04SN	NM-212-021-161-JCAA	C04SS	NM-214-021-161-JCAA	C04ST	NM-215-021-161-JCAA
D04SC	NM-213-025-161-JCAA	D04SN	NM-212-025-161-JCAA	D04SS	NM-214-025-161-JCAA	D04ST	NM-215-025-161-JCAA
E04SC	NM-213-031-161-JCAA	E04SN	NM-212-031-161-JCAA	E04SS	NM-214-031-161-JCAA	E04ST	NM-215-031-161-JCAA
F04SC	NM-213-037-161-JCAA	F04SN	NM-212-037-161-JCAA	F04SS	NM-214-037-161-JCAA	F04ST	NM-215-037-161-JCAA
G04SC	NM-213-051-161-JCAA	G04SN	NM-212-051-161-JCAA	G04SS	NM-214-051-161-JCAA	G04ST	NM-215-051-161-JCAA
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A05SC	NM-213-009-161-JCAC	A05SN	NM-212-009-161-JCAC	A05SS	NM-214-009-161-JCAC	A05ST	NM-215-009-161-JCAC
B05SC	NM-213-015-161-JCAC	B05SN	NM-212-015-161-JCAC	B05SS	NM-214-015-161-JCAC	B05ST	NM-215-015-161-JCAC
C05SC	NM-213-021-161-JCAC	C05SN	NM-212-021-161-JCAC	C05SS	NM-214-021-161-JCAC	C05ST	NM-215-021-161-JCAC
D05SC	NM-213-025-161-JCAC	D05SN	NM-212-025-161-JCAC	D05SS	NM-214-025-161-JCAC	D05ST	NM-215-025-161-JCAC
E05SC	NM-213-031-161-JCAC	E05SN	NM-212-031-161-JCAC	E05SS	NM-214-031-161-JCAC	E05ST	NM-215-031-161-JCAC
F05SC	NM-213-037-161-JCAC	F05SN	NM-212-037-161-JCAC	F05SS	NM-214-037-161-JCAC	F05ST	NM-215-037-161-JCAC
G05SC	NM-213-051-161-JCAC	G05SN	NM-212-051-161-JCAC	G05SS	NM-214-051-161-JCAC	G05ST	NM-215-051-161-JCAC
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A06SC	NM-213-009-161-JCAD	A06SN	NM-212-009-161-JCAD	A06SS	NM-214-009-161-JCAD	A06ST	NM-215-009-161-JCAD
B06SC	NM-213-015-161-JCAD	B06SN	NM-212-015-161-JCAD	B06SS	NM-214-015-161-JCAD	B06ST	NM-215-015-161-JCAD
C06SC	NM-213-021-161-JCAD	C06SN	NM-212-021-161-JCAD	C06SS	NM-214-021-161-JCAD	C06ST	NM-215-021-161-JCAD
D06SC	NM-213-025-161-JCAD	D06SN	NM-212-025-161-JCAD	D06SS	NM-214-025-161-JCAD	D06ST	NM-215-025-161-JCAD
E06SC	NM-213-031-161-JCAD	E06SN	NM-212-031-161-JCAD	E06SS	NM-214-031-161-JCAD	E06ST	NM-215-031-161-JCAD
F06SC	NM-213-037-161-JCAD	F06SN	NM-212-037-161-JCAD	F06SS	NM-214-037-161-JCAD	F06ST	NM-215-037-161-JCAD
G06SC	NM-213-051-161-JCAD	G06SN	NM-212-051-161-JCAD	G06SS	NM-214-051-161-JCAD	G06ST	NM-215-051-161-JCAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/03-	M32139/03-	M32139/03-	M32139/03-
A07SC NM-213-009-161-JCBE	A07SN(S) NM-212-009-161-JCBE	A07SS(S) NM-214-009-161-JCBE	A07ST(S) NM-215-009-161-JCBE
B07SC NM-213-015-161-JCBE	B07SN(S) NM-212-015-161-JCBE	B07SS(S) NM-214-015-161-JCBE	B07ST(S) NM-215-015-161-JCBE
C07SC NM-213-021-161-JCBE	C07SN(S) NM-212-021-161-JCBE	C07SS(S) NM-214-021-161-JCBE	C07ST(S) NM-215-021-161-JCBE
D07SC NM-213-025-161-JCBE	D07SN(S) NM-212-025-161-JCBE	D07SS(S) NM-214-025-161-JCBE	D07ST(S) NM-215-025-161-JCBE
E07SC NM-213-031-161-JCBE	E07SN(S) NM-212-031-161-JCBE	E07SS(S) NM-214-031-161-JCBE	E07ST(S) NM-215-031-161-JCBE
F07SC NM-213-037-161-JCBE	F07SN(S) NM-212-037-161-JCBE	F07SS(S) NM-214-037-161-JCBE	F07ST(S) NM-215-037-161-JCBE
G07SC NM-213-051-161-JCBE	G07SN(S) NM-212-051-161-JCBE	G07SS(S) NM-214-051-161-JCBE	G07ST(S) NM-215-051-161-JCBE
M32139/03-	M32139/03-	M32139/03-	M32139/03-
A08SC NM-213-009-161-JCBG	A08SN(S) NM-212-009-161-JCBG	A08SS(S) NM-214-009-161-JCBG	A08ST(S) NM-215-009-161-JCBG
B08SC NM-213-015-161-JCBG	B08SN(S) NM-212-015-161-JCBG	B08SS(S) NM-214-015-161-JCBG	B08ST(S) NM-215-015-161-JCBG
C08SC NM-213-021-161-JCBG	C08SN(S) NM-212-021-161-JCBG	C08SS(S) NM-214-021-161-JCBG	C08ST(S) NM-215-021-161-JCBG
D08SC NM-213-025-161-JCBG	D08SN(S) NM-212-025-161-JCBG	D08SS(S) NM-214-025-161-JCBG	D08ST(S) NM-215-025-161-JCBG
E08SC NM-213-031-161-JCBG	E08SN(S) NM-212-031-161-JCBG	E08SS(S) NM-214-031-161-JCBG	E08ST(S) NM-215-031-161-JCBG
F08SC NM-213-037-161-JCBG	F08SN(S) NM-212-037-161-JCBG	F08SS(S) NM-214-037-161-JCBG	F08ST(S) NM-215-037-161-JCBG
G08SC NM-213-051-161-JCBG	G08SN(S) NM-212-051-161-JCBG	G08SS(S) NM-214-051-161-JCBG	G08ST(S) NM-215-051-161-JCBG
M32139/03-	M32139/03-	M32139/03-	M32139/03-
A09SC NM-213-009-161-JCBH	A09SN(S) NM-212-009-161-JCBH	A09SS(S) NM-214-009-161-JCBH	A09ST(S) NM-215-009-161-JCBH
B09SC NM-213-015-161-JCBH	B09SN(S) NM-212-015-161-JCBH	B09SS(S) NM-214-015-161-JCBH	B09ST(S) NM-215-015-161-JCBH
C09SC NM-213-021-161-JCBH	C09SN(S) NM-212-021-161-JCBH	C09SS(S) NM-214-021-161-JCBH	C09ST(S) NM-215-021-161-JCBH
D09SC NM-213-025-161-JCBH	D09SN(S) NM-212-025-161-JCBH	D09SS(S) NM-214-025-161-JCBH	D09ST(S) NM-215-025-161-JCBH
E09SC NM-213-031-161-JCBH	E09SN(S) NM-212-031-161-JCBH	E09SS(S) NM-214-031-161-JCBH	E09ST(S) NM-215-031-161-JCBH
F09SC NM-213-037-161-JCBH	F09SN(S) NM-212-037-161-JCBH	F09SS(S) NM-214-037-161-JCBH	F09ST(S) NM-215-037-161-JCBH
G09SC NM-213-051-161-JCBH	G09SN(S) NM-212-051-161-JCBH	G09SS(S) NM-214-051-161-JCBH	G09ST(S) NM-215-051-161-JCBH
M32139/03-	M32139/03-	M32139/03-	M32139/03-
A10SC NM-213-009-161-JCBA	A10SN(S) NM-212-009-161-JCBA	A10SS(S) NM-214-009-161-JCBA	A10ST(S) NM-215-009-161-JCBA
B10SC NM-213-015-161-JCBA	B10SN(S) NM-212-015-161-JCBA	B10SS(S) NM-214-015-161-JCBA	B10ST(S) NM-215-015-161-JCBA
C10SC NM-213-021-161-JCBA	C10SN(S) NM-212-021-161-JCBA	C10SS(S) NM-214-021-161-JCBA	C10ST(S) NM-215-021-161-JCBA
D10SC NM-213-025-161-JCBA	D10SN(S) NM-212-025-161-JCBA	D10SS(S) NM-214-025-161-JCBA	D10ST(S) NM-215-025-161-JCBA
E10SC NM-213-031-161-JCBA	E10SN(S) NM-212-031-161-JCBA	E10SS(S) NM-214-031-161-JCBA	E10ST(S) NM-215-031-161-JCBA
F10SC NM-213-037-161-JCBA	F10SN(S) NM-212-037-161-JCBA	F10SS(S) NM-214-037-161-JCBA	F10ST(S) NM-215-037-161-JCBA
G10SC NM-213-051-161-JCBA	G10SN(S) NM-212-051-161-JCBA	G10SS(S) NM-214-051-161-JCBA	G10ST(S) NM-215-051-161-JCBA
M32139/03-	M32139/03-	M32139/03-	M32139/03-
A11SC NM-213-009-161-JCBC	A11SN(S) NM-212-009-161-JCBC	A11SS(S) NM-214-009-161-JCBC	A11ST(S) NM-215-009-161-JCBC
B11SC NM-213-015-161-JCBC	B11SN(S) NM-212-015-161-JCBC	B11SS(S) NM-214-015-161-JCBC	B11ST(S) NM-215-015-161-JCBC
C11SC NM-213-021-161-JCBC	C11SN(S) NM-212-021-161-JCBC	C11SS(S) NM-214-021-161-JCBC	C11ST(S) NM-215-021-161-JCBC
D11SC NM-213-025-161-JCBC	D11SN(S) NM-212-025-161-JCBC	D11SS(S) NM-214-025-161-JCBC	D11ST(S) NM-215-025-161-JCBC
E11SC NM-213-031-161-JCBC	E11SN(S) NM-212-031-161-JCBC	E11SS(S) NM-214-031-161-JCBC	E11ST(S) NM-215-031-161-JCBC
F11SC NM-213-037-161-JCBC	F11SN(S) NM-212-037-161-JCBC	F11SS(S) NM-214-037-161-JCBC	F11ST(S) NM-215-037-161-JCBC
G11SC NM-213-051-161-JCBC	G11SN(S) NM-212-051-161-JCBC	G11SS(S) NM-214-051-161-JCBC	G11ST(S) NM-215-051-161-JCBC
M32139/03-	M32139/03-	M32139/03-	M32139/03-
A12SC NM-213-009-161-JCBD	A12SN(S) NM-212-009-161-JCBD	A12SS(S) NM-214-009-161-JCBD	A12ST(S) NM-215-009-161-JCBD
B12SC NM-213-015-161-JCBD	B12SN(S) NM-212-015-161-JCBD	B12SS(S) NM-214-015-161-JCBD	B12ST(S) NM-215-015-161-JCBD
C12SC NM-213-021-161-JCBD	C12SN(S) NM-212-021-161-JCBD	C12SS(S) NM-214-021-161-JCBD	C12ST(S) NM-215-021-161-JCBD
D12SC NM-213-025-161-JCBD	D12SN(S) NM-212-025-161-JCBD	D12SS(S) NM-214-025-161-JCBD	D12ST(S) NM-215-025-161-JCBD
E12SC NM-213-031-161-JCBD	E12SN(S) NM-212-031-161-JCBD	E12SS(S) NM-214-031-161-JCBD	E12ST(S) NM-215-031-161-JCBD
F12SC NM-213-037-161-JCBD	F12SN(S) NM-212-037-161-JCBD	F12SS(S) NM-214-037-161-JCBD	F12ST(S) NM-215-037-161-JCBD
G12SC NM-213-051-161-JCBD	G12SN(S) NM-212-051-161-JCBD	G12SS(S) NM-214-051-161-JCBD	G12ST(S) NM-215-051-161-JCBD

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SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

AirBorn

Military Cross Reference Chart

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M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A13SC	NM-213-009-161-JCCE	A13SN	NM-212-009-161-JCCE	A13SS	NM-214-009-161-JCCE	A13ST	NM-215-009-161-JCCE
B13SC	NM-213-015-161-JCCE	B13SN	NM-212-015-161-JCCE	B13SS	NM-214-015-161-JCCE	B13ST	NM-215-015-161-JCCE
C13SC	NM-213-021-161-JCCE	C13SN	NM-212-021-161-JCCE	C13SS	NM-214-021-161-JCCE	C13ST	NM-215-021-161-JCCE
D13SC	NM-213-025-161-JCCE	D13SN	NM-212-025-161-JCCE	D13SS	NM-214-025-161-JCCE	D13ST	NM-215-025-161-JCCE
E13SC	NM-213-031-161-JCCE	E13SN	NM-212-031-161-JCCE	E13SS	NM-214-031-161-JCCE	E13ST	NM-215-031-161-JCCE
F13SC	NM-213-037-161-JCCE	F13SN	NM-212-037-161-JCCE	F13SS	NM-214-037-161-JCCE	F13ST	NM-215-037-161-JCCE
G13SC	NM-213-051-161-JCCE	G13SN	NM-212-051-161-JCCE	G13SS	NM-214-051-161-JCCE	G13ST	NM-215-051-161-JCCE
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A14SC	NM-213-009-161-JCCG	A14SN	NM-212-009-161-JCCG	A14SS	NM-214-009-161-JCCG	A14ST	NM-215-009-161-JCCG
B14SC	NM-213-015-161-JCCG	B14SN	NM-212-015-161-JCCG	B14SS	NM-214-015-161-JCCG	B14ST	NM-215-015-161-JCCG
C14SC	NM-213-021-161-JCCG	C14SN	NM-212-021-161-JCCG	C14SS	NM-214-021-161-JCCG	C14ST	NM-215-021-161-JCCG
D14SC	NM-213-025-161-JCCG	D14SN	NM-212-025-161-JCCG	D14SS	NM-214-025-161-JCCG	D14ST	NM-215-025-161-JCCG
E14SC	NM-213-031-161-JCCG	E14SN	NM-212-031-161-JCCG	E14SS	NM-214-031-161-JCCG	E14ST	NM-215-031-161-JCCG
F14SC	NM-213-037-161-JCCG	F14SN	NM-212-037-161-JCCG	F14SS	NM-214-037-161-JCCG	F14ST	NM-215-037-161-JCCG
G14SC	NM-213-051-161-JCCG	G14SN	NM-212-051-161-JCCG	G14SS	NM-214-051-161-JCCG	G14ST	NM-215-051-161-JCCG
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A15SC	NM-213-009-161-JCCH	A15SN	NM-212-009-161-JCCH	A15SS	NM-214-009-161-JCCH	A15ST	NM-215-009-161-JCCH
B15SC	NM-213-015-161-JCCH	B15SN	NM-212-015-161-JCCH	B15SS	NM-214-015-161-JCCH	B15ST	NM-215-015-161-JCCH
C15SC	NM-213-021-161-JCCH	C15SN	NM-212-021-161-JCCH	C15SS	NM-214-021-161-JCCH	C15ST	NM-215-021-161-JCCH
D15SC	NM-213-025-161-JCCH	D15SN	NM-212-025-161-JCCH	D15SS	NM-214-025-161-JCCH	D15ST	NM-215-025-161-JCCH
E15SC	NM-213-031-161-JCCH	E15SN	NM-212-031-161-JCCH	E15SS	NM-214-031-161-JCCH	E15ST	NM-215-031-161-JCCH
F15SC	NM-213-037-161-JCCH	F15SN	NM-212-037-161-JCCH	F15SS	NM-214-037-161-JCCH	F15ST	NM-215-037-161-JCCH
G15SC	NM-213-051-161-JCCH	G15SN	NM-212-051-161-JCCH	G15SS	NM-214-051-161-JCCH	G15ST	NM-215-051-161-JCCH
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A16SC	NM-213-009-161-JCCA	A16SN	NM-212-009-161-JCCA	A16SS	NM-214-009-161-JCCA	A16ST	NM-215-009-161-JCCA
B16SC	NM-213-015-161-JCCA	B16SN	NM-212-015-161-JCCA	B16SS	NM-214-015-161-JCCA	B16ST	NM-215-015-161-JCCA
C16SC	NM-213-021-161-JCCA	C16SN	NM-212-021-161-JCCA	C16SS	NM-214-021-161-JCCA	C16ST	NM-215-021-161-JCCA
D16SC	NM-213-025-161-JCCA	D16SN	NM-212-025-161-JCCA	D16SS	NM-214-025-161-JCCA	D16ST	NM-215-025-161-JCCA
E16SC	NM-213-031-161-JCCA	E16SN	NM-212-031-161-JCCA	E16SS	NM-214-031-161-JCCA	E16ST	NM-215-031-161-JCCA
F16SC	NM-213-037-161-JCCA	F16SN	NM-212-037-161-JCCA	F16SS	NM-214-037-161-JCCA	F16ST	NM-215-037-161-JCCA
G16SC	NM-213-051-161-JCCA	G16SN	NM-212-051-161-JCCA	G16SS	NM-214-051-161-JCCA	G16ST	NM-215-051-161-JCCA
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A17SC	NM-213-009-161-JCCC	A17SN	NM-212-009-161-JCCC	A17SS	NM-214-009-161-JCCC	A17ST	NM-215-009-161-JCCC
B17SC	NM-213-015-161-JCCC	B17SN	NM-212-015-161-JCCC	B17SS	NM-214-015-161-JCCC	B17ST	NM-215-015-161-JCCC
C17SC	NM-213-021-161-JCCC	C17SN	NM-212-021-161-JCCC	C17SS	NM-214-021-161-JCCC	C17ST	NM-215-021-161-JCCC
D17SC	NM-213-025-161-JCCC	D17SN	NM-212-025-161-JCCC	D17SS	NM-214-025-161-JCCC	D17ST	NM-215-025-161-JCCC
E17SC	NM-213-031-161-JCCC	E17SN	NM-212-031-161-JCCC	E17SS	NM-214-031-161-JCCC	E17ST	NM-215-031-161-JCCC
F17SC	NM-213-037-161-JCCC	F17SN	NM-212-037-161-JCCC	F17SS	NM-214-037-161-JCCC	F17ST	NM-215-037-161-JCCC
G17SC	NM-213-051-161-JCCC	G17SN	NM-212-051-161-JCCC	G17SS	NM-214-051-161-JCCC	G17ST	NM-215-051-161-JCCC
M32139/03-		M32139/03-		M32139/03-		M32139/03-	
A18SC	NM-213-009-161-JCCD	A18SN	NM-212-009-161-JCCD	A18SS	NM-214-009-161-JCCD	A18ST	NM-215-009-161-JCCD
B18SC	NM-213-015-161-JCCD	B18SN	NM-212-015-161-JCCD	B18SS	NM-214-015-161-JCCD	B18ST	NM-215-015-161-JCCD
C18SC	NM-213-021-161-JCCD	C18SN	NM-212-021-161-JCCD	C18SS	NM-214-021-161-JCCD	C18ST	NM-215-021-161-JCCD
D18SC	NM-213-025-161-JCCD	D18SN	NM-212-025-161-JCCD	D18SS	NM-214-025-161-JCCD	D18ST	NM-215-025-161-JCCD
E18SC	NM-213-031-161-JCCD	E18SN	NM-212-031-161-JCCD	E18SS	NM-214-031-161-JCCD	E18ST	NM-215-031-161-JCCD
F18SC	NM-213-037-161-JCCD	F18SN	NM-212-037-161-JCCD	F18SS	NM-214-037-161-JCCD	F18ST	NM-215-037-161-JCCD
G18SC	NM-213-051-161-JCCD	G18SN	NM-212-051-161-JCCD	G18SS	NM-214-051-161-JCCD	G18ST	NM-215-051-161-JCCD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A01TC	NM-223-009-261-THAE	A01TN	NM-222-009-261-THAE	A01TS	NM-224-009-261-THAE	A01TT	NM-225-009-261-THAE
B01TC	NM-223-015-261-THAE	B01TN	NM-222-015-261-THAE	B01TS	NM-224-015-261-THAE	B01TT	NM-225-015-261-THAE
C01TC	NM-223-021-261-THAE	C01TN	NM-222-021-261-THAE	C01TS	NM-224-021-261-THAE	C01TT	NM-225-021-261-THAE
D01TC	NM-223-025-261-THAE	D01TN	NM-222-025-261-THAE	D01TS	NM-224-025-261-THAE	D01TT	NM-225-025-261-THAE
E01TC	NM-223-031-261-THAE	E01TN	NM-222-031-261-THAE	E01TS	NM-224-031-261-THAE	E01TT	NM-225-031-261-THAE
F01TC	NM-223-037-261-THAE	F01TN	NM-222-037-261-THAE	F01TS	NM-224-037-261-THAE	F01TT	NM-225-037-261-THAE
G01TC	NM-223-051-261-THAE	G01TN	NM-222-051-261-THAE	G01TS	NM-224-051-261-THAE	G01TT	NM-225-051-261-THAE
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A02TC	NM-223-009-261-THAG	A02TN	NM-222-009-261-THAG	A02TS	NM-224-009-261-THAG	A02TT	NM-225-009-261-THAG
B02TC	NM-223-015-261-THAG	B02TN	NM-222-015-261-THAG	B02TS	NM-224-015-261-THAG	B02TT	NM-225-015-261-THAG
C02TC	NM-223-021-261-THAG	C02TN	NM-222-021-261-THAG	C02TS	NM-224-021-261-THAG	C02TT	NM-225-021-261-THAG
D02TC	NM-223-025-261-THAG	D02TN	NM-222-025-261-THAG	D02TS	NM-224-025-261-THAG	D02TT	NM-225-025-261-THAG
E02TC	NM-223-031-261-THAG	E02TN	NM-222-031-261-THAG	E02TS	NM-224-031-261-THAG	E02TT	NM-225-031-261-THAG
F02TC	NM-223-037-261-THAG	F02TN	NM-222-037-261-THAG	F02TS	NM-224-037-261-THAG	F02TT	NM-225-037-261-THAG
G02TC	NM-223-051-261-THAG	G02TN	NM-222-051-261-THAG	G02TS	NM-224-051-261-THAG	G02TT	NM-225-051-261-THAG
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A03TC	NM-223-009-261-THAH	A03TN	NM-222-009-261-THAH	A03TS	NM-224-009-261-THAH	A03TT	NM-225-009-261-THAH
B03TC	NM-223-015-261-THAH	B03TN	NM-222-015-261-THAH	B03TS	NM-224-015-261-THAH	B03TT	NM-225-015-261-THAH
C03TC	NM-223-021-261-THAH	C03TN	NM-222-021-261-THAH	C03TS	NM-224-021-261-THAH	C03TT	NM-225-021-261-THAH
D03TC	NM-223-025-261-THAH	D03TN	NM-222-025-261-THAH	D03TS	NM-224-025-261-THAH	D03TT	NM-225-025-261-THAH
E03TC	NM-223-031-261-THAH	E03TN	NM-222-031-261-THAH	E03TS	NM-224-031-261-THAH	E03TT	NM-225-031-261-THAH
F03TC	NM-223-037-261-THAH	F03TN	NM-222-037-261-THAH	F03TS	NM-224-037-261-THAH	F03TT	NM-225-037-261-THAH
G03TC	NM-223-051-261-THAH	G03TN	NM-222-051-261-THAH	G03TS	NM-224-051-261-THAH	G03TT	NM-225-051-261-THAH
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A04TC	NM-223-009-261-THAA	A04TN	NM-222-009-261-THAA	A04TS	NM-224-009-261-THAA	A04TT	NM-225-009-261-THAA
B04TC	NM-223-015-261-THAA	B04TN	NM-222-015-261-THAA	B04TS	NM-224-015-261-THAA	B04TT	NM-225-015-261-THAA
C04TC	NM-223-021-261-THAA	C04TN	NM-222-021-261-THAA	C04TS	NM-224-021-261-THAA	C04TT	NM-225-021-261-THAA
D04TC	NM-223-025-261-THAA	D04TN	NM-222-025-261-THAA	D04TS	NM-224-025-261-THAA	D04TT	NM-225-025-261-THAA
E04TC	NM-223-031-261-THAA	E04TN	NM-222-031-261-THAA	E04TS	NM-224-031-261-THAA	E04TT	NM-225-031-261-THAA
F04TC	NM-223-037-261-THAA	F04TN	NM-222-037-261-THAA	F04TS	NM-224-037-261-THAA	F04TT	NM-225-037-261-THAA
G04TC	NM-223-051-261-THAA	G04TN	NM-222-051-261-THAA	G04TS	NM-224-051-261-THAA	G04TT	NM-225-051-261-THAA
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A05TC	NM-223-009-261-THAC	A05TN	NM-222-009-261-THAC	A05TS	NM-224-009-261-THAC	A05TT	NM-225-009-261-THAC
B05TC	NM-223-015-261-THAC	B05TN	NM-222-015-261-THAC	B05TS	NM-224-015-261-THAC	B05TT	NM-225-015-261-THAC
C05TC	NM-223-021-261-THAC	C05TN	NM-222-021-261-THAC	C05TS	NM-224-021-261-THAC	C05TT	NM-225-021-261-THAC
D05TC	NM-223-025-261-THAC	D05TN	NM-222-025-261-THAC	D05TS	NM-224-025-261-THAC	D05TT	NM-225-025-261-THAC
E05TC	NM-223-031-261-THAC	E05TN	NM-222-031-261-THAC	E05TS	NM-224-031-261-THAC	E05TT	NM-225-031-261-THAC
F05TC	NM-223-037-261-THAC	F05TN	NM-222-037-261-THAC	F05TS	NM-224-037-261-THAC	F05TT	NM-225-037-261-THAC
G05TC	NM-223-051-261-THAC	G05TN	NM-222-051-261-THAC	G05TS	NM-224-051-261-THAC	G05TT	NM-225-051-261-THAC
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A06TC	NM-223-009-261-THAD	A06TN	NM-222-009-261-THAD	A06TS	NM-224-009-261-THAD	A06TT	NM-225-009-261-THAD
B06TC	NM-223-015-261-THAD	B06TN	NM-222-015-261-THAD	B06TS	NM-224-015-261-THAD	B06TT	NM-225-015-261-THAD
C06TC	NM-223-021-261-THAD	C06TN	NM-222-021-261-THAD	C06TS	NM-224-021-261-THAD	C06TT	NM-225-021-261-THAD
D06TC	NM-223-025-261-THAD	D06TN	NM-222-025-261-THAD	D06TS	NM-224-025-261-THAD	D06TT	NM-225-025-261-THAD
E06TC	NM-223-031-261-THAD	E06TN	NM-222-031-261-THAD	E06TS	NM-224-031-261-THAD	E06TT	NM-225-031-261-THAD
F06TC	NM-223-037-261-THAD	F06TN	NM-222-037-261-THAD	F06TS	NM-224-037-261-THAD	F06TT	NM-225-037-261-THAD
G06TC	NM-223-051-261-THAD	G06TN	NM-222-051-261-THAD	G06TS	NM-224-051-261-THAD	G06TT	NM-225-051-261-THAD

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SPACE CLASS DESIGNATOR - (S)

Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

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M32139/04-	M32139/04-	M32139/04-	M32139/04-
A07TC NM-223-009-261-THBE	A07TN(S) NM-222-009-261-THBE	A07TS(S) NM-224-009-261-THBE	A07TT(S) NM-225-009-261-THBE
B07TC NM-223-015-261-THBE	B07TN(S) NM-222-015-261-THBE	B07TS(S) NM-224-015-261-THBE	B07TT(S) NM-225-015-261-THBE
C07TC NM-223-021-261-THBE	C07TN(S) NM-222-021-261-THBE	C07TS(S) NM-224-021-261-THBE	C07TT(S) NM-225-021-261-THBE
D07TC NM-223-025-261-THBE	D07TN(S) NM-222-025-261-THBE	D07TS(S) NM-224-025-261-THBE	D07TT(S) NM-225-025-261-THBE
E07TC NM-223-031-261-THBE	E07TN(S) NM-222-031-261-THBE	E07TS(S) NM-224-031-261-THBE	E07TT(S) NM-225-031-261-THBE
F07TC NM-223-037-261-THBE	F07TN(S) NM-222-037-261-THBE	F07TS(S) NM-224-037-261-THBE	F07TT(S) NM-225-037-261-THBE
G07TC NM-223-051-261-THBE	G07TN(S) NM-222-051-261-THBE	G07TS(S) NM-224-051-261-THBE	G07TT(S) NM-225-051-261-THBE
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A08TC NM-223-009-261-THBG	A08TN(S) NM-222-009-261-THBG	A08TS(S) NM-224-009-261-THBG	A08TT(S) NM-225-009-261-THBG
B08TC NM-223-015-261-THBG	B08TN(S) NM-222-015-261-THBG	B08TS(S) NM-224-015-261-THBG	B08TT(S) NM-225-015-261-THBG
C08TC NM-223-021-261-THBG	C08TN(S) NM-222-021-261-THBG	C08TS(S) NM-224-021-261-THBG	C08TT(S) NM-225-021-261-THBG
D08TC NM-223-025-261-THBG	D08TN(S) NM-222-025-261-THBG	D08TS(S) NM-224-025-261-THBG	D08TT(S) NM-225-025-261-THBG
E08TC NM-223-031-261-THBG	E08TN(S) NM-222-031-261-THBG	E08TS(S) NM-224-031-261-THBG	E08TT(S) NM-225-031-261-THBG
F08TC NM-223-037-261-THBG	F08TN(S) NM-222-037-261-THBG	F08TS(S) NM-224-037-261-THBG	F08TT(S) NM-225-037-261-THBG
G08TC NM-223-051-261-THBG	G08TN(S) NM-222-051-261-THBG	G08TS(S) NM-224-051-261-THBG	G08TT(S) NM-225-051-261-THBG
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A09TC NM-223-009-261-THBH	A09TN(S) NM-222-009-261-THBH	A09TS(S) NM-224-009-261-THBH	A09TT(S) NM-225-009-261-THBH
B09TC NM-223-015-261-THBH	B09TN(S) NM-222-015-261-THBH	B09TS(S) NM-224-015-261-THBH	B09TT(S) NM-225-015-261-THBH
C09TC NM-223-021-261-THBH	C09TN(S) NM-222-021-261-THBH	C09TS(S) NM-224-021-261-THBH	C09TT(S) NM-225-021-261-THBH
D09TC NM-223-025-261-THBH	D09TN(S) NM-222-025-261-THBH	D09TS(S) NM-224-025-261-THBH	D09TT(S) NM-225-025-261-THBH
E09TC NM-223-031-261-THBH	E09TN(S) NM-222-031-261-THBH	E09TS(S) NM-224-031-261-THBH	E09TT(S) NM-225-031-261-THBH
F09TC NM-223-037-261-THBH	F09TN(S) NM-222-037-261-THBH	F09TS(S) NM-224-037-261-THBH	F09TT(S) NM-225-037-261-THBH
G09TC NM-223-051-261-THBH	G09TN(S) NM-222-051-261-THBH	G09TS(S) NM-224-051-261-THBH	G09TT(S) NM-225-051-261-THBH
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A10TC NM-223-009-261-THBA	A10TN(S) NM-222-009-261-THBA	A10TS(S) NM-224-009-261-THBA	A10TT(S) NM-225-009-261-THBA
B10TC NM-223-015-261-THBA	B10TN(S) NM-222-015-261-THBA	B10TS(S) NM-224-015-261-THBA	B10TT(S) NM-225-015-261-THBA
C10TC NM-223-021-261-THBA	C10TN(S) NM-222-021-261-THBA	C10TS(S) NM-224-021-261-THBA	C10TT(S) NM-225-021-261-THBA
D10TC NM-223-025-261-THBA	D10TN(S) NM-222-025-261-THBA	D10TS(S) NM-224-025-261-THBA	D10TT(S) NM-225-025-261-THBA
E10TC NM-223-031-261-THBA	E10TN(S) NM-222-031-261-THBA	E10TS(S) NM-224-031-261-THBA	E10TT(S) NM-225-031-261-THBA
F10TC NM-223-037-261-THBA	F10TN(S) NM-222-037-261-THBA	F10TS(S) NM-224-037-261-THBA	F10TT(S) NM-225-037-261-THBA
G10TC NM-223-051-261-THBA	G10TN(S) NM-222-051-261-THBA	G10TS(S) NM-224-051-261-THBA	G10TT(S) NM-225-051-261-THBA
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A11TC NM-223-009-261-THBC	A11TN(S) NM-222-009-261-THBC	A11TS(S) NM-224-009-261-THBC	A11TT(S) NM-225-009-261-THBC
B11TC NM-223-015-261-THBC	B11TN(S) NM-222-015-261-THBC	B11TS(S) NM-224-015-261-THBC	B11TT(S) NM-225-015-261-THBC
C11TC NM-223-021-261-THBC	C11TN(S) NM-222-021-261-THBC	C11TS(S) NM-224-021-261-THBC	C11TT(S) NM-225-021-261-THBC
D11TC NM-223-025-261-THBC	D11TN(S) NM-222-025-261-THBC	D11TS(S) NM-224-025-261-THBC	D11TT(S) NM-225-025-261-THBC
E11TC NM-223-031-261-THBC	E11TN(S) NM-222-031-261-THBC	E11TS(S) NM-224-031-261-THBC	E11TT(S) NM-225-031-261-THBC
F11TC NM-223-037-261-THBC	F11TN(S) NM-222-037-261-THBC	F11TS(S) NM-224-037-261-THBC	F11TT(S) NM-225-037-261-THBC
G11TC NM-223-051-261-THBC	G11TN(S) NM-222-051-261-THBC	G11TS(S) NM-224-051-261-THBC	G11TT(S) NM-225-051-261-THBC
M32139/04-	M32139/04-	M32139/04-	M32139/04-
A12TC NM-223-009-261-THBD	A12TN(S) NM-222-009-261-THBD	A12TS(S) NM-224-009-261-THBD	A12TT(S) NM-225-009-261-THBD
B12TC NM-223-015-261-THBD	B12TN(S) NM-222-015-261-THBD	B12TS(S) NM-224-015-261-THBD	B12TT(S) NM-225-015-261-THBD
C12TC NM-223-021-261-THBD	C12TN(S) NM-222-021-261-THBD	C12TS(S) NM-224-021-261-THBD	C12TT(S) NM-225-021-261-THBD
D12TC NM-223-025-261-THBD	D12TN(S) NM-222-025-261-THBD	D12TS(S) NM-224-025-261-THBD	D12TT(S) NM-225-025-261-THBD
E12TC NM-223-031-261-THBD	E12TN(S) NM-222-031-261-THBD	E12TS(S) NM-224-031-261-THBD	E12TT(S) NM-225-031-261-THBD
F12TC NM-223-037-261-THBD	F12TN(S) NM-222-037-261-THBD	F12TS(S) NM-224-037-261-THBD	F12TT(S) NM-225-037-261-THBD
G12TC NM-223-051-261-THBD	G12TN(S) NM-222-051-261-THBD	G12TS(S) NM-224-051-261-THBD	G12TT(S) NM-225-051-261-THBD

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SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

Military Cross Reference Chart

M32139/04

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M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A13TC	NM-223-009-261-THCE	A13TN	NM-222-009-261-THCE	A13TS	NM-224-009-261-THCE	A13TT	NM-225-009-261-THCE
B13TC	NM-223-015-261-THCE	B13TN	NM-222-015-261-THCE	B13TS	NM-224-015-261-THCE	B13TT	NM-225-015-261-THCE
C13TC	NM-223-021-261-THCE	C13TN	NM-222-021-261-THCE	C13TS	NM-224-021-261-THCE	C13TT	NM-225-021-261-THCE
D13TC	NM-223-025-261-THCE	D13TN	NM-222-025-261-THCE	D13TS	NM-224-025-261-THCE	D13TT	NM-225-025-261-THCE
E13TC	NM-223-031-261-THCE	E13TN	NM-222-031-261-THCE	E13TS	NM-224-031-261-THCE	E13TT	NM-225-031-261-THCE
F13TC	NM-223-037-261-THCE	F13TN	NM-222-037-261-THCE	F13TS	NM-224-037-261-THCE	F13TT	NM-225-037-261-THCE
G13TC	NM-223-051-261-THCE	G13TN	NM-222-051-261-THCE	G13TS	NM-224-051-261-THCE	G13TT	NM-225-051-261-THCE
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A14TC	NM-223-009-261-THCG	A14TN	NM-222-009-261-THCG	A14TS	NM-224-009-261-THCG	A14TT	NM-225-009-261-THCG
B14TC	NM-223-015-261-THCG	B14TN	NM-222-015-261-THCG	B14TS	NM-224-015-261-THCG	B14TT	NM-225-015-261-THCG
C14TC	NM-223-021-261-THCG	C14TN	NM-222-021-261-THCG	C14TS	NM-224-021-261-THCG	C14TT	NM-225-021-261-THCG
D14TC	NM-223-025-261-THCG	D14TN	NM-222-025-261-THCG	D14TS	NM-224-025-261-THCG	D14TT	NM-225-025-261-THCG
E14TC	NM-223-031-261-THCG	E14TN	NM-222-031-261-THCG	E14TS	NM-224-031-261-THCG	E14TT	NM-225-031-261-THCG
F14TC	NM-223-037-261-THCG	F14TN	NM-222-037-261-THCG	F14TS	NM-224-037-261-THCG	F14TT	NM-225-037-261-THCG
G14TC	NM-223-051-261-THCG	G14TN	NM-222-051-261-THCG	G14TS	NM-224-051-261-THCG	G14TT	NM-225-051-261-THCG
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A15TC	NM-223-009-261-THCH	A15TN	NM-222-009-261-THCH	A15TS	NM-224-009-261-THCH	A15TT	NM-225-009-261-THCH
B15TC	NM-223-015-261-THCH	B15TN	NM-222-015-261-THCH	B15TS	NM-224-015-261-THCH	B15TT	NM-225-015-261-THCH
C15TC	NM-223-021-261-THCH	C15TN	NM-222-021-261-THCH	C15TS	NM-224-021-261-THCH	C15TT	NM-225-021-261-THCH
D15TC	NM-223-025-261-THCH	D15TN	NM-222-025-261-THCH	D15TS	NM-224-025-261-THCH	D15TT	NM-225-025-261-THCH
E15TC	NM-223-031-261-THCH	E15TN	NM-222-031-261-THCH	E15TS	NM-224-031-261-THCH	E15TT	NM-225-031-261-THCH
F15TC	NM-223-037-261-THCH	F15TN	NM-222-037-261-THCH	F15TS	NM-224-037-261-THCH	F15TT	NM-225-037-261-THCH
G15TC	NM-223-051-261-THCH	G15TN	NM-222-051-261-THCH	G15TS	NM-224-051-261-THCH	G15TT	NM-225-051-261-THCH
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A16TC	NM-223-009-261-THCA	A16TN	NM-222-009-261-THCA	A16TS	NM-224-009-261-THCA	A16TT	NM-225-009-261-THCA
B16TC	NM-223-015-261-THCA	B16TN	NM-222-015-261-THCA	B16TS	NM-224-015-261-THCA	B16TT	NM-225-015-261-THCA
C16TC	NM-223-021-261-THCA	C16TN	NM-222-021-261-THCA	C16TS	NM-224-021-261-THCA	C16TT	NM-225-021-261-THCA
D16TC	NM-223-025-261-THCA	D16TN	NM-222-025-261-THCA	D16TS	NM-224-025-261-THCA	D16TT	NM-225-025-261-THCA
E16TC	NM-223-031-261-THCA	E16TN	NM-222-031-261-THCA	E16TS	NM-224-031-261-THCA	E16TT	NM-225-031-261-THCA
F16TC	NM-223-037-261-THCA	F16TN	NM-222-037-261-THCA	F16TS	NM-224-037-261-THCA	F16TT	NM-225-037-261-THCA
G16TC	NM-223-051-261-THCA	G16TN	NM-222-051-261-THCA	G16TS	NM-224-051-261-THCA	G16TT	NM-225-051-261-THCA
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A17TC	NM-223-009-261-THCC	A17TN	NM-222-009-261-THCC	A17TS	NM-224-009-261-THCC	A17TT	NM-225-009-261-THCC
B17TC	NM-223-015-261-THCC	B17TN	NM-222-015-261-THCC	B17TS	NM-224-015-261-THCC	B17TT	NM-225-015-261-THCC
C17TC	NM-223-021-261-THCC	C17TN	NM-222-021-261-THCC	C17TS	NM-224-021-261-THCC	C17TT	NM-225-021-261-THCC
D17TC	NM-223-025-261-THCC	D17TN	NM-222-025-261-THCC	D17TS	NM-224-025-261-THCC	D17TT	NM-225-025-261-THCC
E17TC	NM-223-031-261-THCC	E17TN	NM-222-031-261-THCC	E17TS	NM-224-031-261-THCC	E17TT	NM-225-031-261-THCC
F17TC	NM-223-037-261-THCC	F17TN	NM-222-037-261-THCC	F17TS	NM-224-037-261-THCC	F17TT	NM-225-037-261-THCC
G17TC	NM-223-051-261-THCC	G17TN	NM-222-051-261-THCC	G17TS	NM-224-051-261-THCC	G17TT	NM-225-051-261-THCC
M32139/04-		M32139/04-		M32139/04-		M32139/04-	
A18TC	NM-223-009-261-THCD	A18TN	NM-222-009-261-THCD	A18TS	NM-224-009-261-THCD	A18TT	NM-225-009-261-THCD
B18TC	NM-223-015-261-THCD	B18TN	NM-222-015-261-THCD	B18TS	NM-224-015-261-THCD	B18TT	NM-225-015-261-THCD
C18TC	NM-223-021-261-THCD	C18TN	NM-222-021-261-THCD	C18TS	NM-224-021-261-THCD	C18TT	NM-225-021-261-THCD
D18TC	NM-223-025-261-THCD	D18TN	NM-222-025-261-THCD	D18TS	NM-224-025-261-THCD	D18TT	NM-225-025-261-THCD
E18TC	NM-223-031-261-THCD	E18TN	NM-222-031-261-THCD	E18TS	NM-224-031-261-THCD	E18TT	NM-225-031-261-THCD
F18TC	NM-223-037-261-THCD	F18TN	NM-222-037-261-THCD	F18TS	NM-224-037-261-THCD	F18TT	NM-225-037-261-THCD
G18TC	NM-223-051-261-THCD	G18TN	NM-222-051-261-THCD	G18TS	NM-224-051-261-THCD	G18TT	NM-225-051-261-THCD

SPACE CLASS DESIGNATOR - (S)
Cadmium Plated Aluminum shells are not available with the Space Class Designator; Space Class is optional on Nickel Plated Aluminum, Stainless Steel and Titanium Shells with SAE-AS22759/33 wire. AirBorn part numbers remain the same with or without the Designator.

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