

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: 1 Plug, straight 5 Plug, straight, with factory installed backshell (See page NA-3)		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 ☒ 4 Liquid Crystal Polymer w/ stainless steel shell 5 Liquid Crystal Polymer w/ titanium shell		BODY MATERIAL: 2 Liquid Crystal Polymer w/ electroless nickel shell 3 Liquid Crystal Polymer w/ electrodeposited cadmium shell ☒ 4 Liquid Crystal Polymer w/ stainless steel 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: 16 Pin, straight, crimped wire		TYPE CONTACTS/TERMINATIONS: 26 Socket, straight, crimped wire	
PLATING OPTIONS: 1 50 u" Au contacts		PLATING OPTIONS: 1 50 u" Au contacts	
HARDWARE			
STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* TH Threaded hole**, #0-80 UNF* (body material 2 and 3 only)		STYLE OF HARDWARE: 00 None JC Turning jackscrews, captivated #0-80 UNF* (body material 2 and 3 only) TH Threaded hole**, #0-80 UNF*	
WIRING OPTIONS: XX See wiring codes, Page NA-2		WIRING OPTIONS: 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



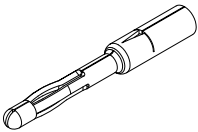
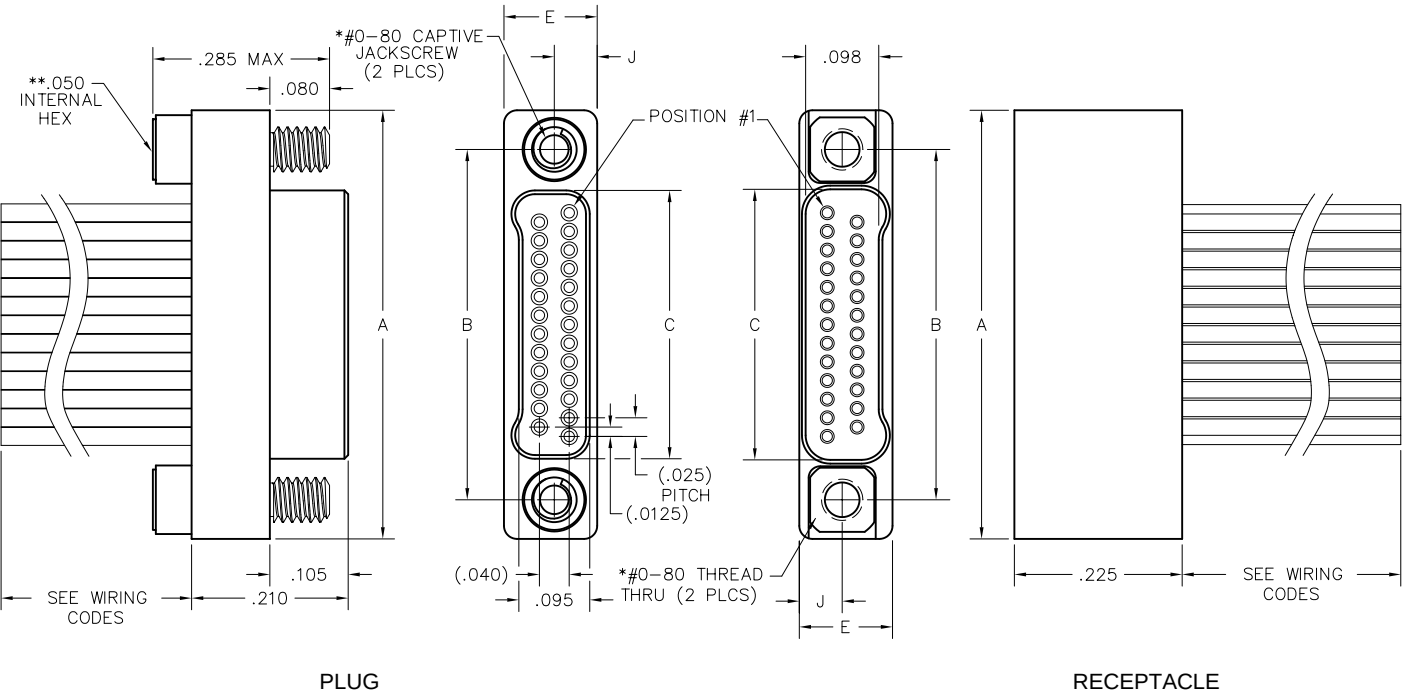
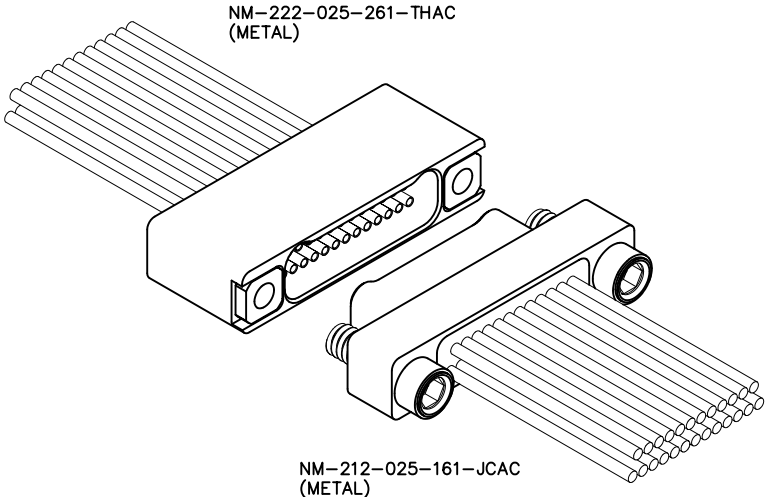
2 · ROW

Cable to Cable

.025"

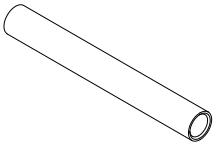
NM, NM

9 thru 91 Contacts



PIN CONTACT
3 TINE SPRING MEMBER, CRIMP

SIZE	A	B	DIMENSIONS		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	.150	.0700	#2-56 THREAD
85	1.377	1.246	1.110	1.113			
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.

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

Mouser Electronics

Authorized Distributor

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[NM-222-085-261-JCAC](#)