



Right Angle Boardmount Low Profile (Blind Clearance Cut)

.050"

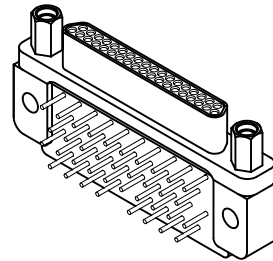
9 thru 51 Contacts

MS

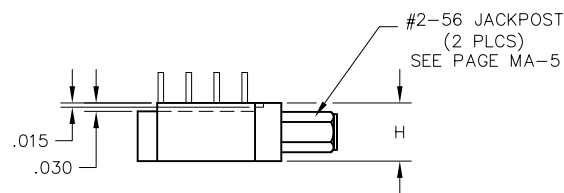
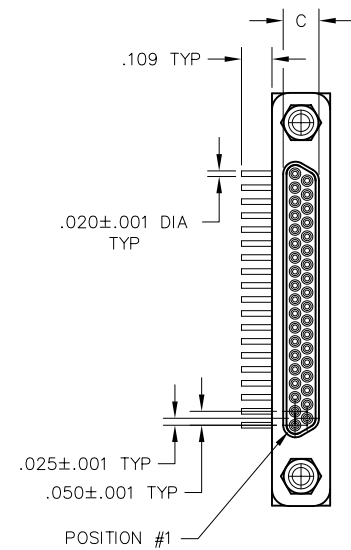
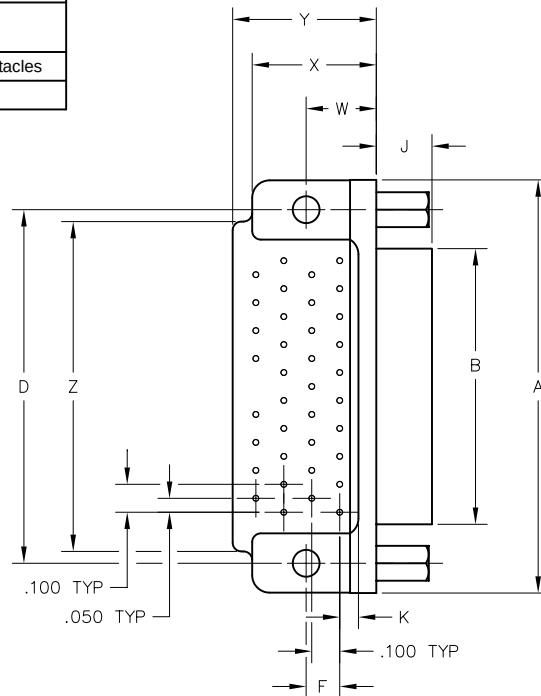
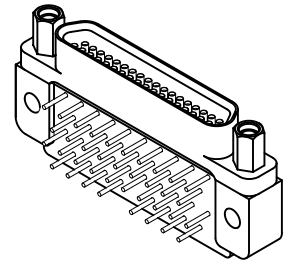
MATING MATRIX

CONNECTOR	MATES WITH
MS-2T...	MP, MQ, MR, MS receptacles
MS-2V..	MP, MQ, MR, MS plugs

MS-2T3-037-325-220S
(PLUG)



MS-2V3-037-435-220S
(RCPT)



(PLUG SHOWN)

DIMENSIONS																		
SIZE	CONTACT ROWS	A	B		C		D	F	H	J		K	W	X MAX	Y MAX	Z	HARDWARE	MOUNTING HOLE
			PLUG MAX	RCPT MAX	PLUG MAX	RCPT MAX				PLUG	RCPT							
9	2	.778	.292	.378	.134	.218	.565	.020	.208	.199	.180	.067	.250	.420	.420	.775	#2-56 UNC THD	.096 DIA OR #2-56 UNC THREADED INSERT
15		.928	.442	.528			.715									.925		
21		1.078	.592	.678			.865									1.075		
25		1.178	.692	.778			.965	.120								1.175		
31		1.328	.842	.928			1.115									1.080		
37		1.478	.992	1.078			1.265							.450	.520	1.180		
51	3	1.428	.942	1.028	.177	.260	1.215	.150	.250			.087	.300	.425	.650	1.220		

PLUG: MS-2T3-037-325-220S
RECEPTACLE: MS-2V3-037-435-220S
XX-XXX-XXX-XXX-XXXX-XXX
 | | | |
 BODY CONTACTS OPTIONS
 SERIES SIZE HARDWARE

PLUG

SERIES

MS .050" Low Profile Metal PC Board Mount Connector
(MS mates with MP, MQ, MR, MS, receptacles)

BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51)
- BODY STYLE: Blind Cut
- T Plug, right angle, narrow footprint, w/ mounting holes
- BODY MATERIAL:
- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator ☒
- 4 Hard anodized black shell w/ PPS insulator

SIZE

XXX 009, 015, 021, 025, 031, 037, 051

CONTACTS

- TYPE CONTACTS/TERMINATIONS:
- 32 Pin, right angle, PCB leads, .109"
 - 33 Pin, right angle, PCB leads, .140"
 - 34 Pin, right angle, PCB leads, .172"
- PLATING OPTIONS:
- 3 50 μ " Au contacts: Au terminations
 - 5 50 μ " Au contacts; Sn/Pb alloy terminations ☒
 - 7 50 μ " Au contacts; SAC305 terminations

HARDWARE

- STYLE OF HARDWARE:
- 00 None
 - 22 Two fixed jacknuts
 - 41 Two turning jackscrews, allen head, retaining ring*
 - 99 Keying hardware, see options below

- POLARIZATION / WIRING:
- 0R Reversed body polarization
 - 0S Standard body polarization

OPTIONS

- KPXX Two fixed jacknuts
- 905 Threaded inserts

NOTES

- See page MA-6 for keying options
- * = Connector body has no mounting holes.
- ☒ = Option not RoHS compliant

RECEPTACLE

SERIES

MS .050" Low Profile Metal PC Board Mount Connector
(MS mates with MP, MQ, MR, MS plugs)

BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51)
- BODY STYLE: Blind Cut
- V Receptacle, right angle, narrow footprint, w/ mounting holes
- BODY MATERIAL:
- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator ☒
- 4 Hard anodized black shell w/ PPS insulator

SIZE

XXX 009, 015, 021, 025, 031, 037, 051

CONTACTS

- TYPE CONTACTS/TERMINATIONS:
- 43 Socket, right angle, PCB leads, .109"
 - 44 Socket, right angle, PCB leads, .140"
 - 45 Socket, right angle, PCB leads, .172"
- PLATING OPTIONS:
- 3 50 μ " Au contacts: Au terminations
 - 5 50 μ " Au contacts; Sn/Pb alloy terminations ☒
 - 7 50 μ " Au contacts; SAC305 terminations

HARDWARE

- STYLE OF HARDWARE:
- 00 None
 - 22 Two fixed jacknuts
 - 41 Two turning jackscrews, allen head, retaining ring*
 - 99 Keying hardware, see options below

- POLARIZATION / WIRING:
- 0R Reversed body polarization
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OPTIONS

- KPXX Two fixed jacknuts
- 905 Threaded inserts

NOTES

- See page MA-6 for keying options
- * = Connector body has no mounting holes.
- ☒ = Option not RoHS compliant

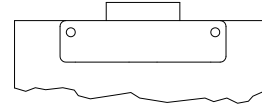


Recommended PC Board Layout

Right Angle, Narrow Footprint
Standard Polarization

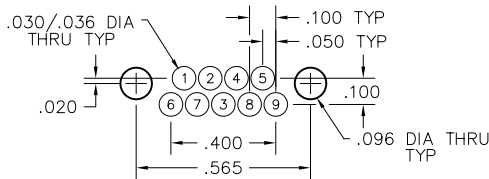


CONNECTOR MATING FACE



PC BOARD LAYOUT
COMPONENT SIDE

PLUG
PC BOARD LAYOUT
COMPONENT SIDE

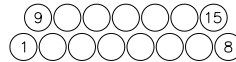
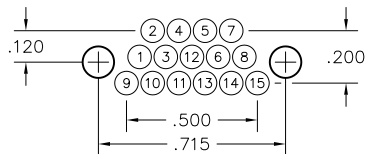
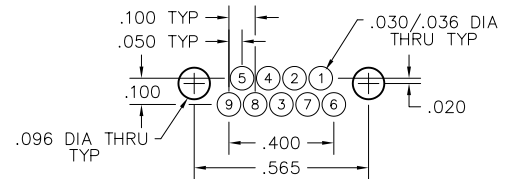


**CONNECTOR
MATING FACE*
(RECEPTACLE)**

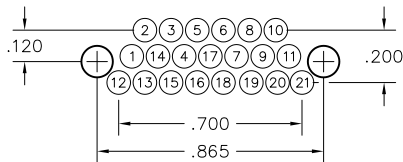
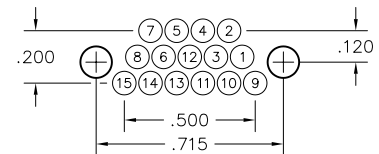


9 POSITION

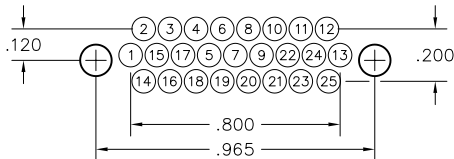
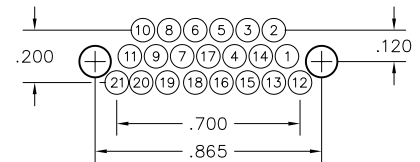
RECEPTACLE
PC BOARD LAYOUT
COMPONENT SIDE



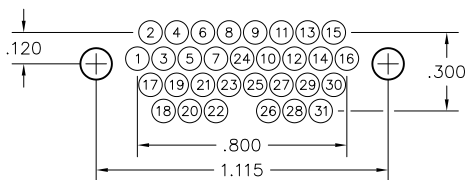
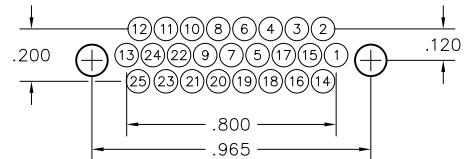
15 POSITION



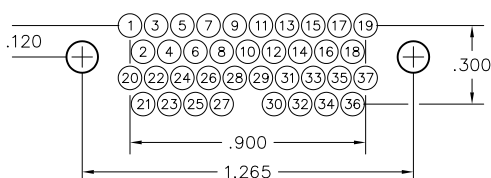
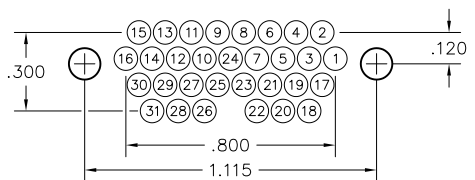
21 POSITION



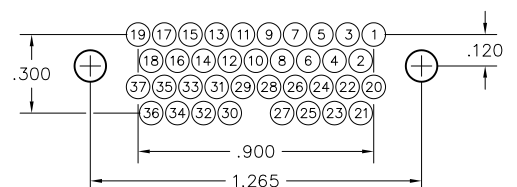
25 POSITION



31 POSITION

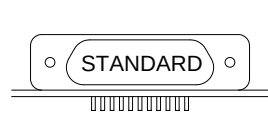


37 POSITION

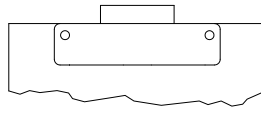


Recommended PC Board Layout

Right Angle, Narrow Footprint
Standard Polarization

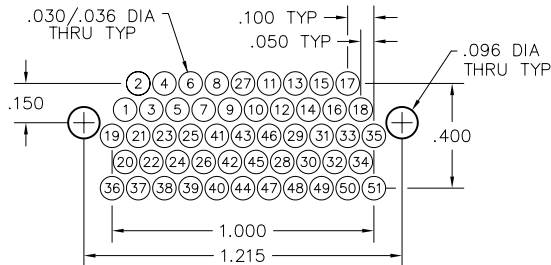


CONNECTOR MATING FACE

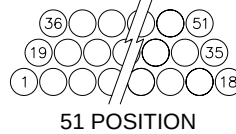


PC BOARD LAYOUT
COMPONENT SIDE

PLUG PC BOARD LAYOUT COMPONENT SIDE

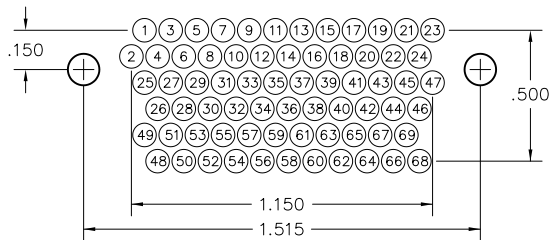
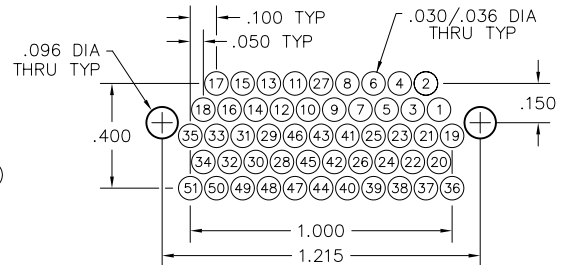


CONNECTOR MATING FACE* (RECEPTACLE)

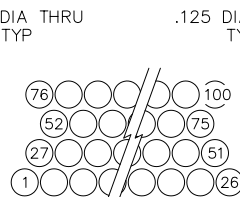
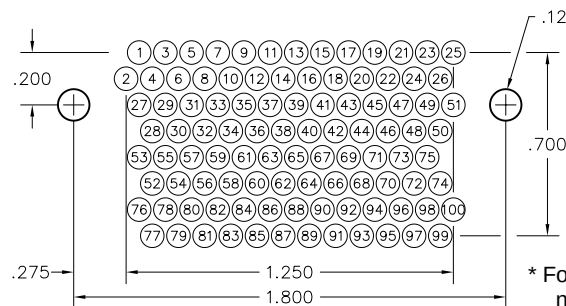
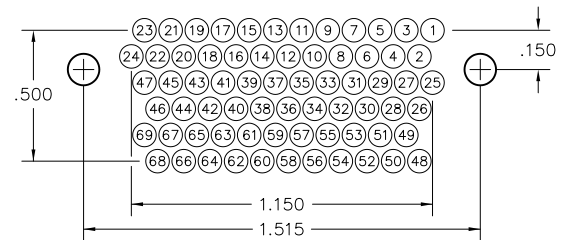


51 POSITION

RECEPTACLE PC BOARD LAYOUT COMPONENT SIDE

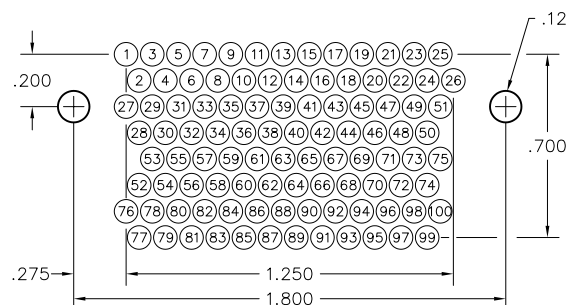
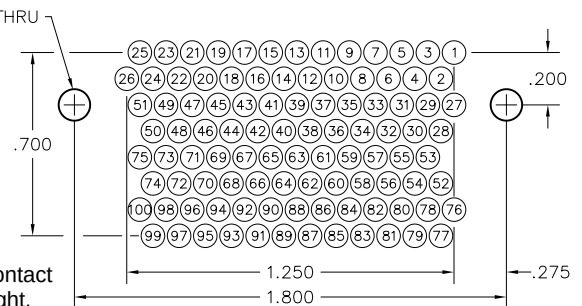


** 69 POSITION



*** 100 POSITION

* For pin (plug) connectors, the contact numbers are reversed left to right.



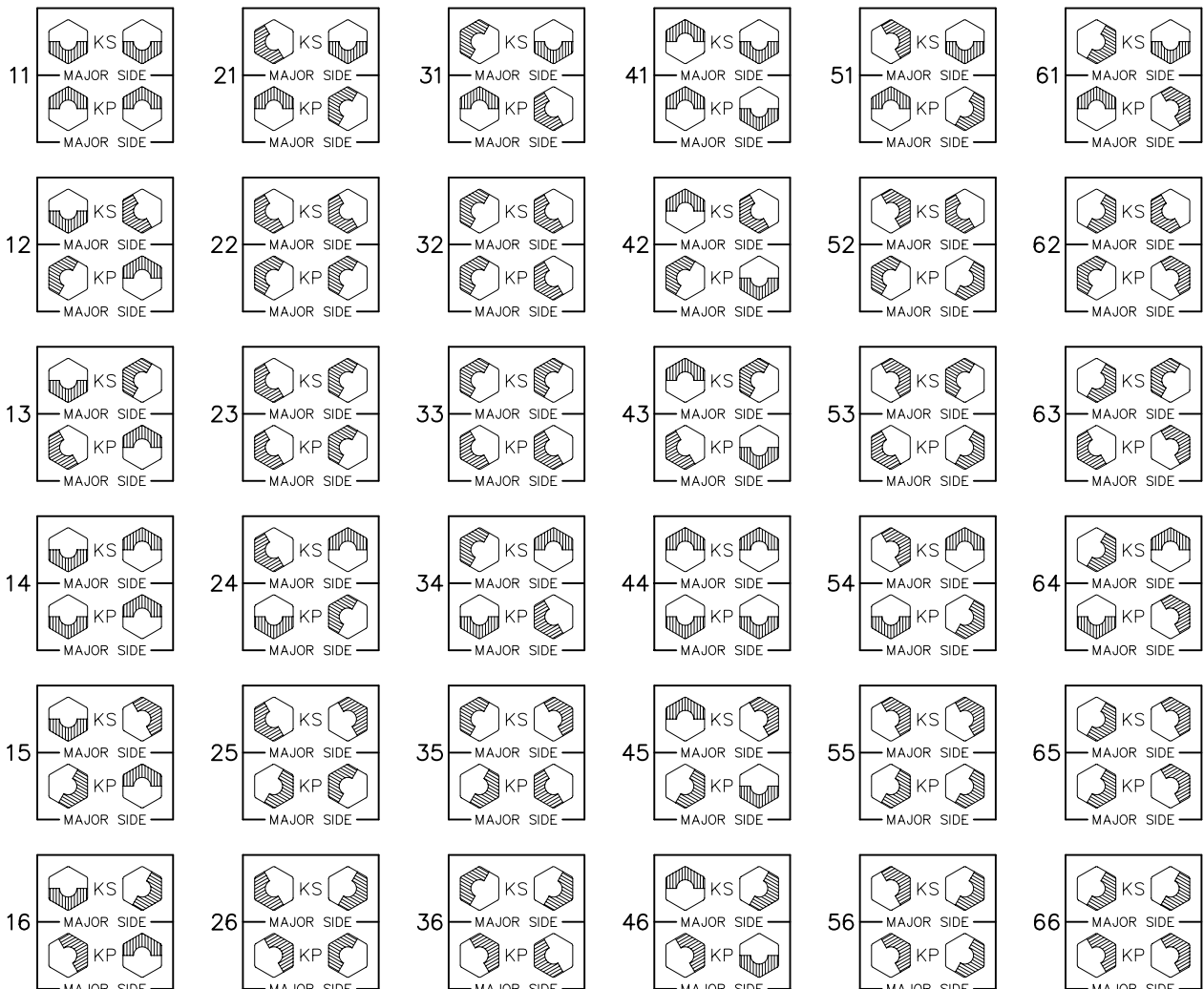
Mil-Spec Footprint

For Mil-Spec footprint, use "Option" -94P

** = 69 and 100 positions not available in low profile (MS, MR)

*** = 100 position not available in thru-cut body style (R, S)

Polarized Keying Hardware

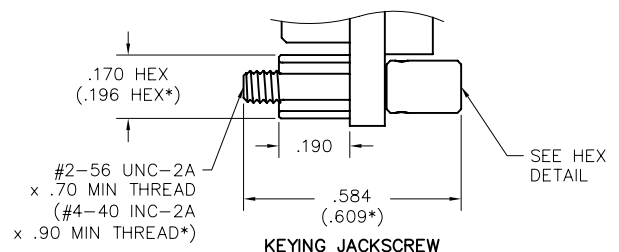
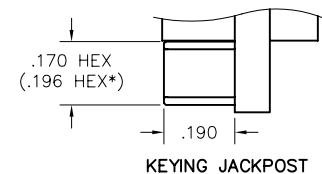
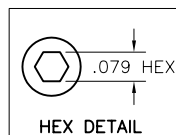
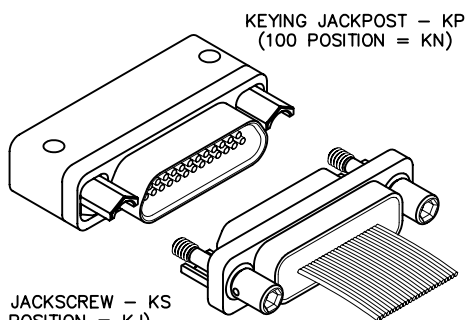


Select the appropriate two digit number above and include as the last two digits of the hardware code in the part number.
(Keying hardware is factory installed and non-removable).

Example:

MM-213-025-161-99WA-KS11

MK-263-025-435-990S-KP11



* = Dimensions for 100 position connectors