



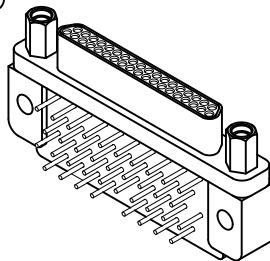
Right Angle Boardmount Low Profile (Narrow Footprint)

.050"

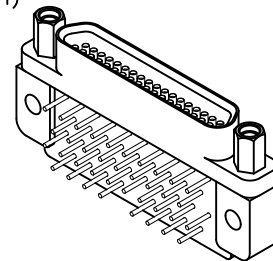
9 thru 51 Contacts

MS, MR

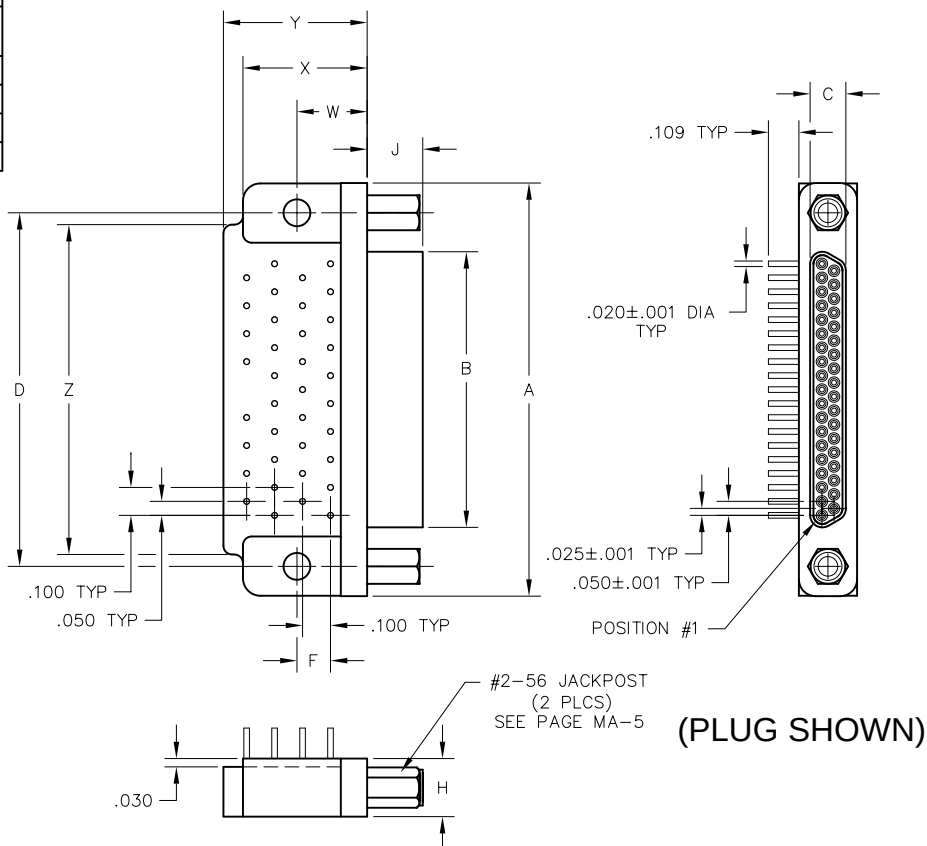
MS-253-037-325-220S
(PLUG)



MS-263-037-435-220S
(RCPT)



MATING MATRIX	
CONNECTOR	MATES WITH
MS-25...	MP, MQ, MR, MS receptacles
MR-25...	MP, MQ, MR, MS receptacles
MS-26..	MP, MQ, MR, MS plugs
MR-26..	MP, MQ, MR, MS plugs



DIMENSIONS																	
SIZE	CONTACT ROWS	A	B		C		D	F	H	J		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	.250	.420	.420	.775	#2-56 UNC THD	#2-56 UNC THREADED INSERT
15		.928	.442	.528			.715	.120							.925		
21		1.078	.592	.678			.865								1.075		
25		1.178	.692	.778			.965								1.175		
31		1.328	.842	.928			1.115	.450					.520	1.080			
37		1.478	.992	1.078			1.265							1.180			
51	3	1.428	.942	1.028	.177	.260	1.215	.150	.250			.300	.425	.650	1.220		

PLUG: MS-253-037-325-220S
RECEPTACLE: MS-263-037-435-220S
 XX-XXX-XXX-XXX-XXXX-XXX
 | | | | |
 BODY CONTACTS OPTIONS
 SERIES SIZE HARDWARE

PLUG

SERIES

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

BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51)
- BODY STYLE:
- 5 Plug, right angle, narrow footprint, w/ mounting holes
- BODY MATERIAL:
- 1 Polyphenylene Sulfide (MR only)
- 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 (Body material 2, 3 and 4 only)
- 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
 MR .050" Low Profile Plastic PC Board Mount Connector
 (MS & MR mate with MP, MQ, MR, MS plugs)

BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51)
- BODY STYLE:
- 6 Receptacle, right angle, narrow footprint, w/ mounting holes
- BODY MATERIAL:
- 1 Polyphenylene Sulfide (MR only)
- 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, u" 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 (Body material 2, 3 and 4 only)
- 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

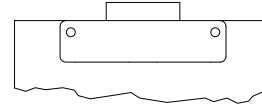


Recommended PC Board Layout

Right Angle, Narrow Footprint
Standard Polarization

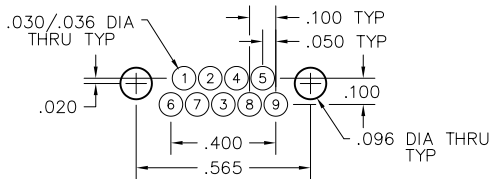


CONNECTOR MATING FACE



PC BOARD LAYOUT
COMPONENT SIDE

PLUG
PC BOARD LAYOUT
COMPONENT SIDE

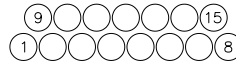
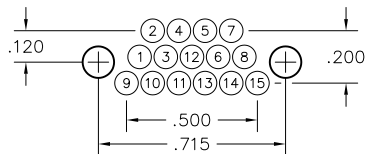
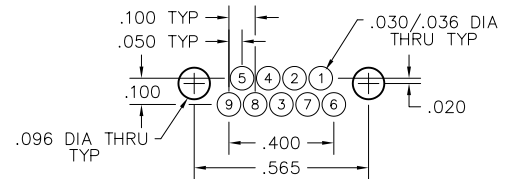


**CONNECTOR
MATING FACE*
(RECEPTACLE)**

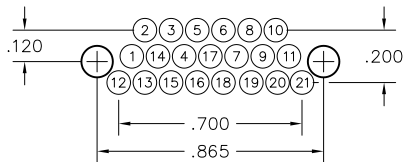
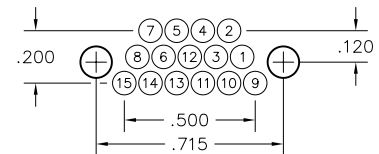


9 POSITION

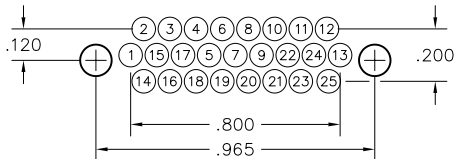
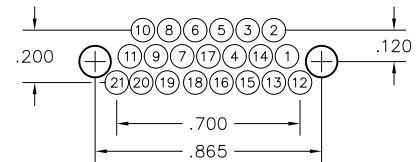
RECEPTACLE
PC BOARD LAYOUT
COMPONENT SIDE



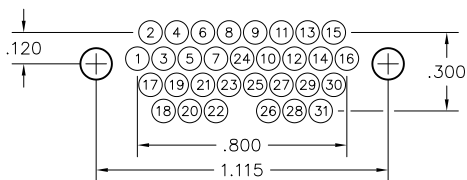
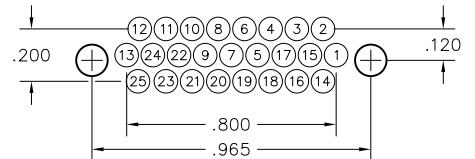
15 POSITION



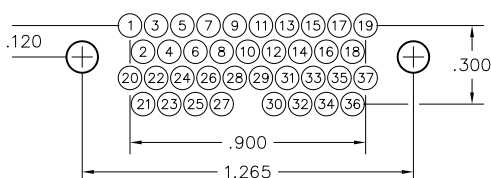
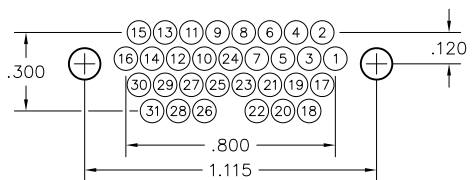
21 POSITION



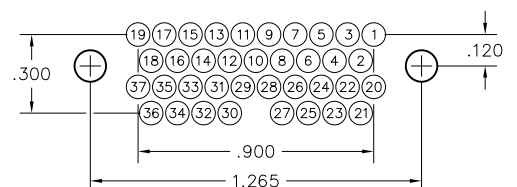
25 POSITION



31 POSITION



37 POSITION



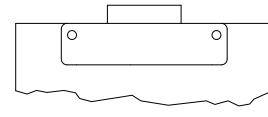


Recommended PC Board Layout

Right Angle, Narrow Footprint
Reverse Polarization

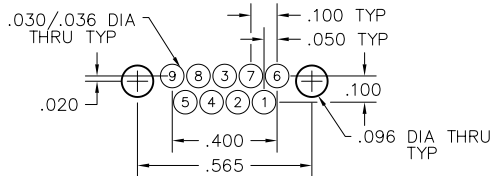


CONNECTOR MATING FACE



PC BOARD LAYOUT
COMPONENT SIDE

PLUG
PC BOARD LAYOUT
COMPONENT SIDE

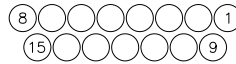
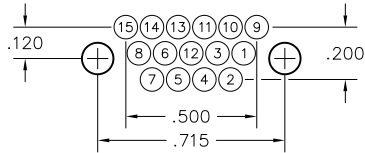
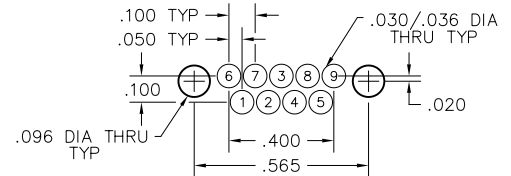


CONNECTOR
MATING FACE*
(RECEPTACLE)

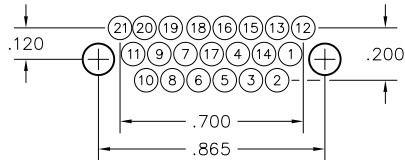
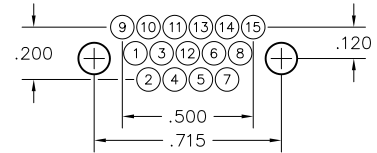


9 POSITION

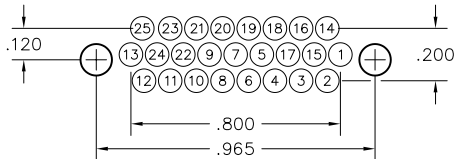
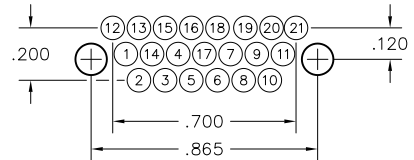
RECEPTACLE
PC BOARD LAYOUT
COMPONENT SIDE



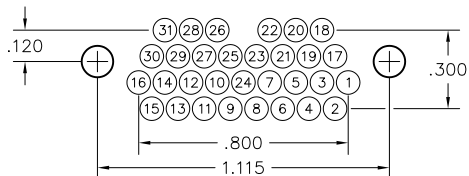
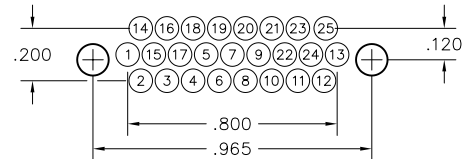
15 POSITION



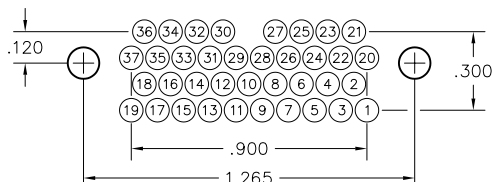
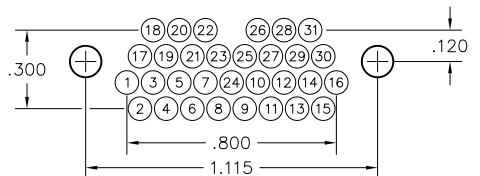
21 POSITION



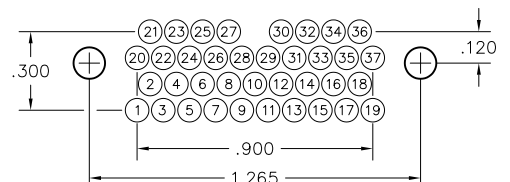
25 POSITION



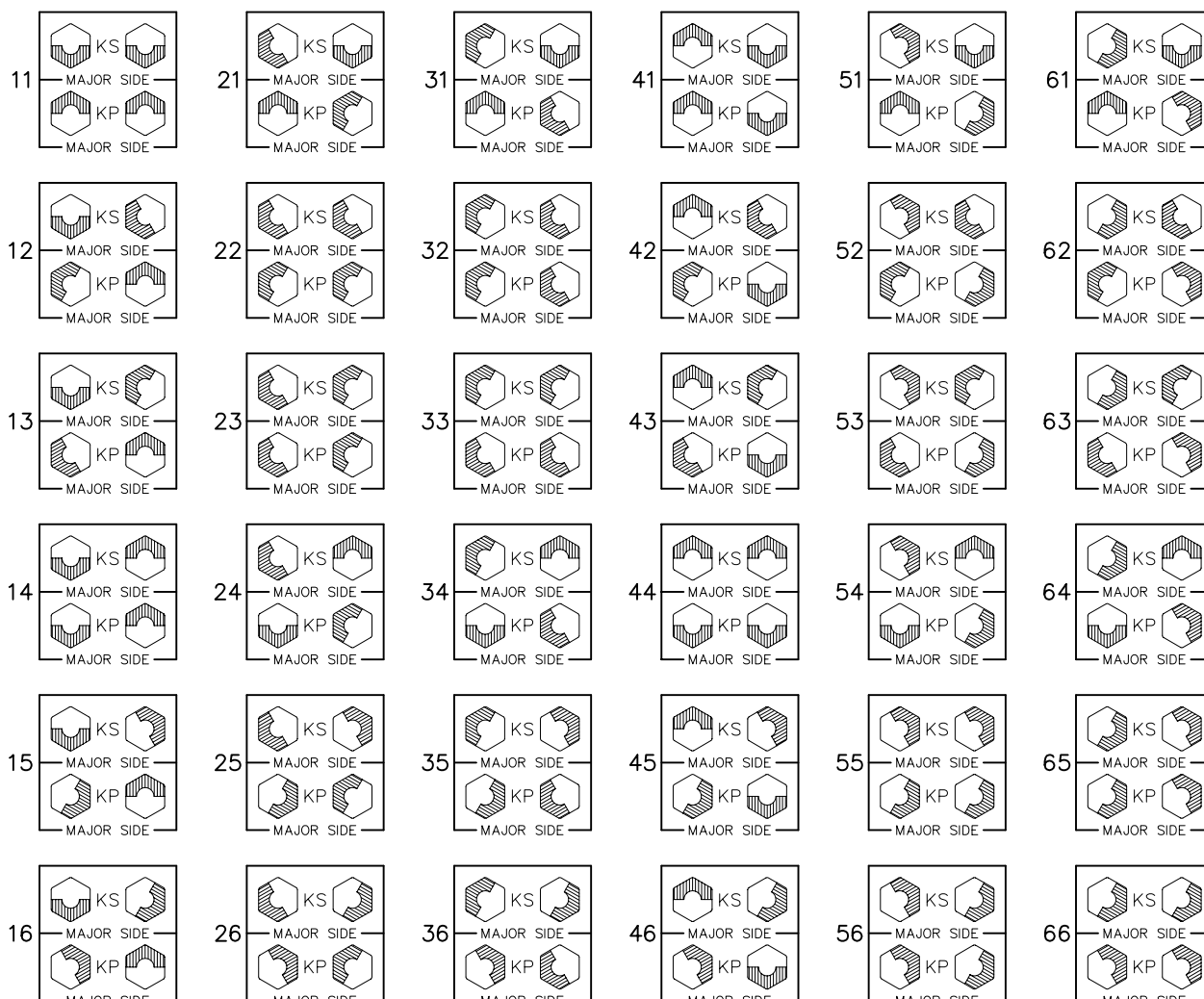
31 POSITION



37 POSITION



Polarized Keying Hardware

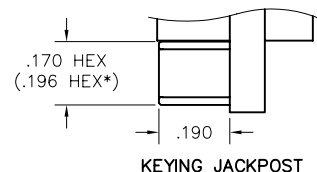
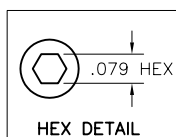
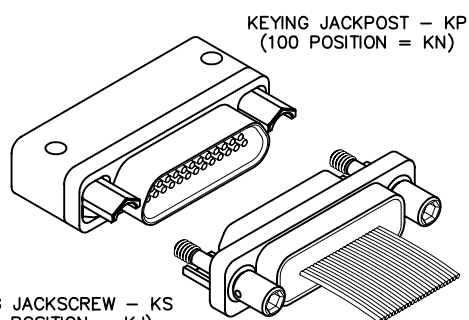


Select the appropriate two digit number above and include as the last two digits of the hardware code in the part number.
(Keying hardware is factory installed and non-removable).

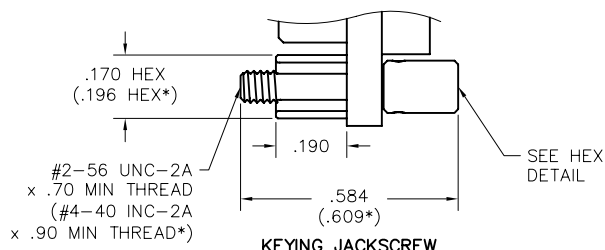
Example:

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

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



KEYING JACKPOST



KEYING JACKSCREW

* = Dimensions for 100 position connectors