

PLUG: MK-332-051-125-2200

RECEPTACLE: MM-322-051-261-45WP

PLUG: ML-331-051-125-2200

RECEPTACLE: MN-321-051-261-45WP

XX-XXX-XXX-XXX-XXXX-XXX

PLUG
RECEPTACLE
SERIES

 MK .050" Rugged Metal PC Board Mount Connector
 ML .050" Rugged Plastic PC Board Mount Connector
 (MK & ML mate with MK, ML, MM, MN receptacles)

 MM .050" Rugged Metal I/O Connector
 MN .050" Rugged Plastic I/O Connector
 (MM & MN mate with MK, ML, MM, MN plugs)

BODY

- 2 2-Row (Sizes 9 thru 37)
-
- 3 3-Row (Size 51 & 69***)
-
- 4 4-Row (Size 100)

- 2 2-Row (Sizes 9 thru 37)
-
- 3 3-Row (Size 51 & 69***)
-
- 4 4-Row (Size 100)

 BODY STYLE:
 3 Plug, straight, standard footprint

 BODY STYLE:
 2 Receptacle, straight, with ears

- BODY MATERIAL:
-
- 1 Polyphenylene Sulfide (ML only)
-
- 2 Polyphenylene Sulfide with electroless nickel shell
-
- 3 Polyphenylene Sulfide with electrodeposited cadmium shell
- ☒
-
- 4 Polyphenylene Sulfide with hard anodized black shell
-
- 5 Polyphenylene Sulfide with stainless steel shell

- BODY MATERIAL:
-
- 1 Polyphenylene Sulfide (MN only)
-
- 2 Polyphenylene Sulfide with electroless nickel shell
-
- 3 Polyphenylene Sulfide with electrodeposited cadmium shell
- ☒
-
- 4 Polyphenylene Sulfide with hard anodized black shell
-
- 5 Polyphenylene Sulfide with stainless steel shell

SIZE

XXX 009, 015, 021, 025, 031, 037, 051, 069***, 100

XXX 009, 015, 021, 025, 031, 037, 051, 069***, 100

CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 12 Pin, straight, PCB leads, .109"
-
- 13 Pin, straight, PCB leads, .140"
-
- 14 Pin, straight, PCB leads, .172"

TYPE CONTACTS/TERMINATIONS:

- 21 Socket, straight, solder cup
-
- 24 Socket, straight, .500" pigtails (.018 dia)
-
- 25 Socket, straight, 1.000" pigtails (.018 dia)
-
- 26 Socket, straight, crimped wire

PLATING OPTIONS:

- 3 50 µ" Au contacts; 10 µ" Au terminations
-
- 5 50 µ" Au contacts; Sn/Pb alloy terminations
- ☒
-
- 7 50 µ" Au contacts; SAC305 terminations

PLATING OPTIONS:

- 1 50 µ" Au contacts (crimp wire)
-
- 3 50 µ" Au contacts; 10 µ" Au terminations (solder cup, pigtail)
-
- 5 50 µ" Au contacts; Sn/Pb alloy terminations (pigtail)
- ☒
-
- 7 50 µ" Au contacts; SAC305 terminations (pigtail)

HARDWARE

STYLE OF HARDWARE:

- 00 None
-
- 22 Two fixed jacknut assemblies (62*)
-
- 41 Two turning jackscrews, allen head, retaining ring**** (81*)
-
- 99 Keying hardware, see options below (Body material 2, 3 and 4 only)

STYLE OF HARDWARE:

- 00 None
-
- 22 Two fixed jacknut assemblies (62*)
-
- 41 Two turning jackscrews, allen head, retaining ring (81*)
-
- 42 Two long turning jackscrews, allen head, retaining ring (82*)
-
- 43 Two turning jackscrews, slot head, retaining ring (83*)
-
- 44 Two long turning jackscrews, slot head, retaining ring (84*)
-
- 45 Two turning jackscrews, allen head, captivated** (85*)
-
- 99 Keying hardware, see options below (Body material 2, 3 and 4 only)

POLARIZATION / WIRING:

- 00 None

POLARIZATION / WIRING

- 00 None
-
- XX For wiring codes, see page MA-3 & MA-4

OPTIONS

 KPXX Two fixed jacknuts. See page MA-6 for keying options (KN*)
 0B7 Threaded inserts

 KSXX Two turning jackscrews and interfacial sealing gasket. See page MA-6 for keying options (KJ*)
 900 Interfacial sealing gasket

* = Use numbers or letters in parenthesis when ordering size 100.

** = Captive hardware is factory installed and non-removable.

*** = 69 position connectors are available in metal only.

**** = Connector body has no mounting holes.

☒ = Option not RoHS compliant



Cable to Board (Standard Footprint)

.050"

9 thru 100 Contacts

Rugged Cable

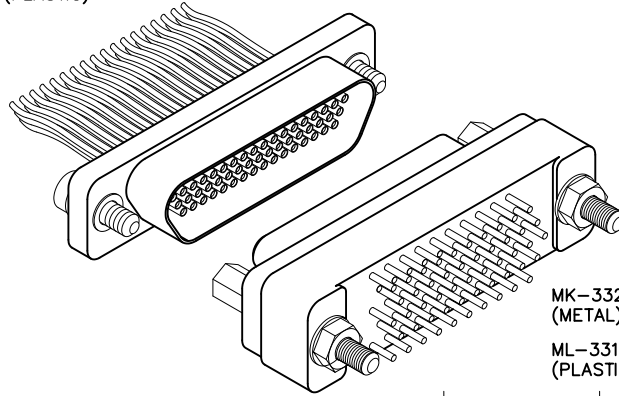
MM, MN

Rugged Board Mount

MK, ML

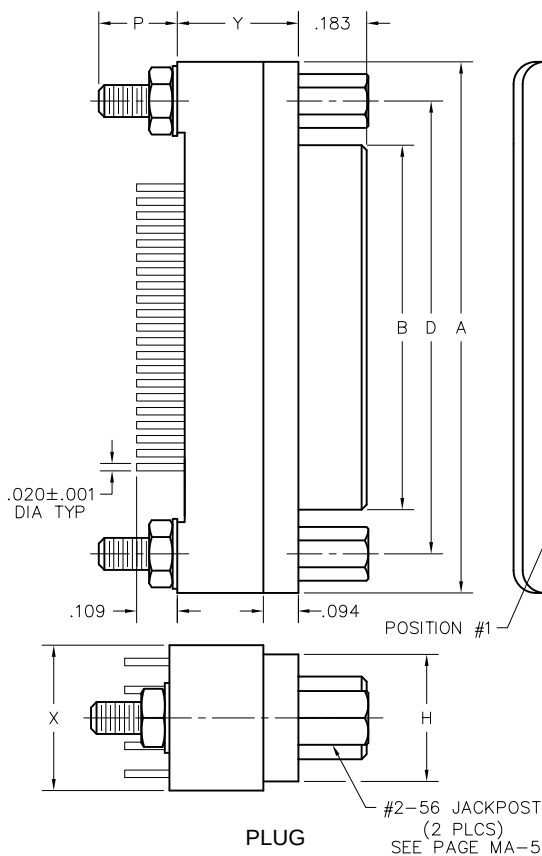
MM-322-051-261-45WP
(METAL)

MN-321-051-261-45WP
(PLASTIC)

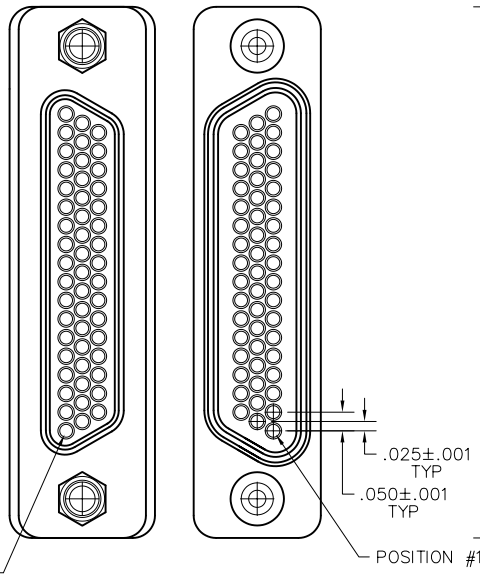


MK-332-051-125-2200
(METAL)

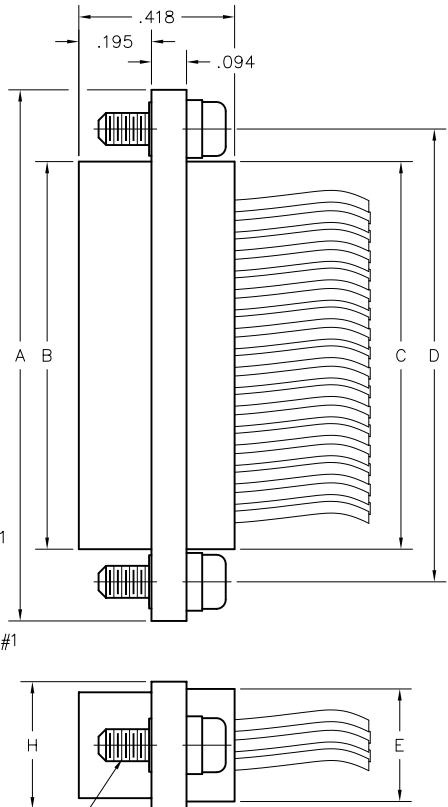
ML-331-051-125-2200
(PLASTIC)



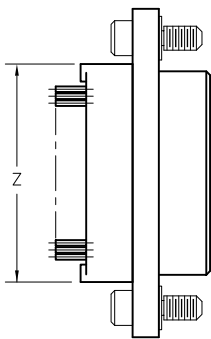
PLUG



RECEPTACLE



#2-56 CAPTIVE
JACKSCREW (2 PLCS)
SEE PAGE MA-5

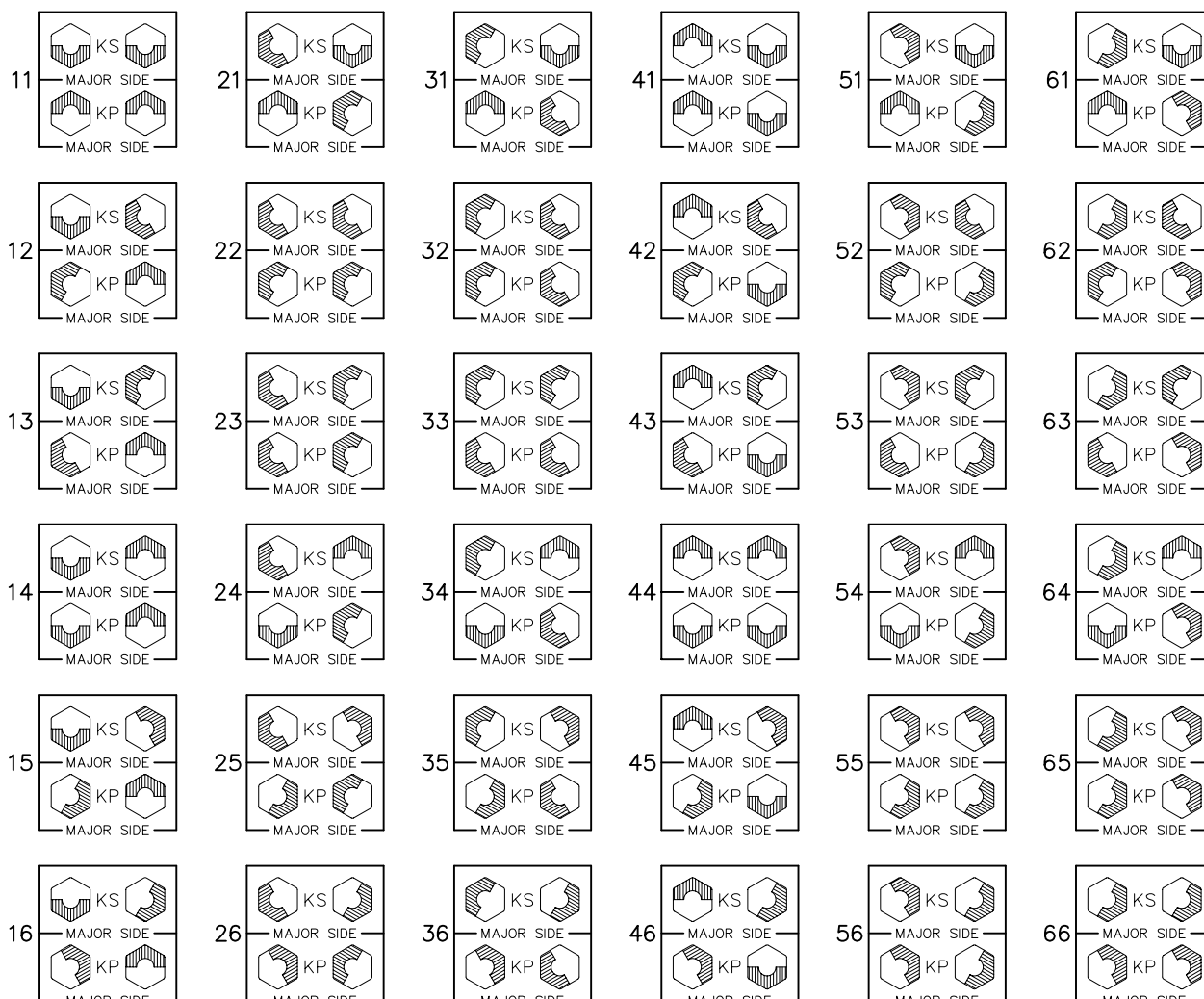


SIZE	CONTACT ROWS	A	B		C	D	E		H	P	X	Y	Z***	HARDWARE
			PLUG MAX	RCPT MAX			POTTING WELL MAX							
9	2	.775	.334	.400	.390	.565	.270	.298	.210	.298	.280	.390	.780	#2-56 UNC THD (#2-56 CLEARANCE OR #2-56 UNC THREADED INSERT)
15		.925	.484	.550	.540	.715								
21		1.075	.634	.700	.690	.865								
25		1.175	.734	.800	.790	.965								
31		1.325	.884	.950	.940	1.115								
37	3	1.475	1.034	1.100	1.090	1.265	.310	.341	.219	.390	.325	.330**	1.080	#4-40 UNC THD (#4-40 CLEARANCE OR #4-40 UNC THREADED INSERT)
51		1.425	.984	1.050	1.040	1.215								
69		1.725	1.284	1.350	1.340	1.515								
100	4	2.160	1.384	1.508	1.432	1.800	.360	.384	.216	.490	.379	1.530		

* = 69 POSITION CONNECTORS ARE AVAILABLE IN METAL ONLY.
** = 37 POSITION WITH TURNING HARDWARE "Y" DIMENSION IS .280.
*** = "Z" DIMENSION FOR TURNING JACKSCREW ONLY

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

Polarized Keying Hardware

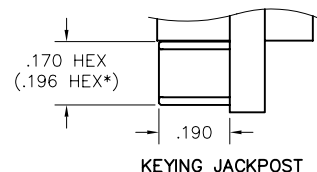
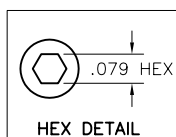
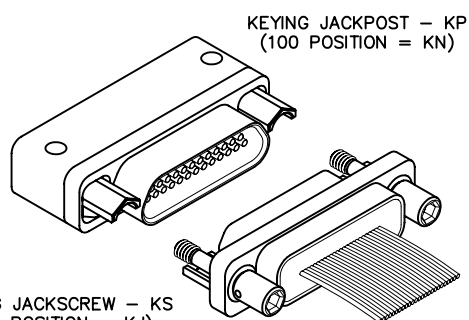


Select the appropriate two digit number above and include as the last two digits of the hardware code in the part number.
(Keying hardware is factory installed and non-removable).

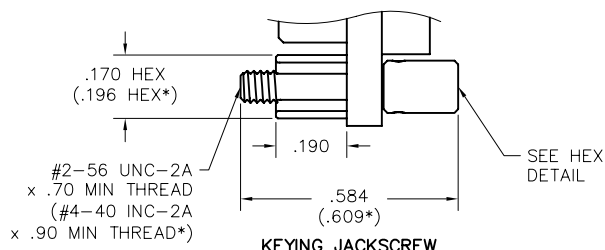
Example:

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

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



KEYING JACKPOST



KEYING JACKSCREW

* = Dimensions for 100 position connectors