



Cable to Board (Standard Footprint)

.050"

9 thru 100 Contacts

Rugged Cable

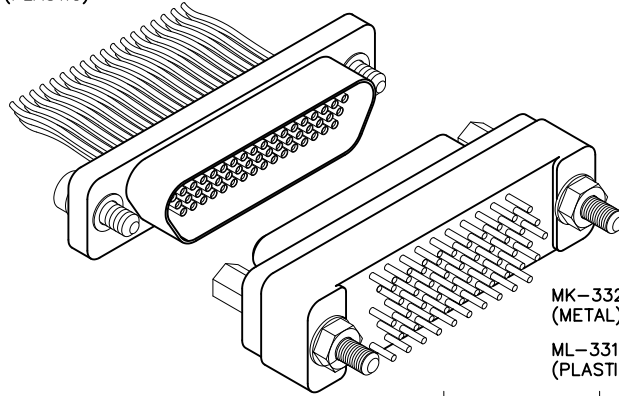
MM, MN

Rugged Board Mount

MK, ML

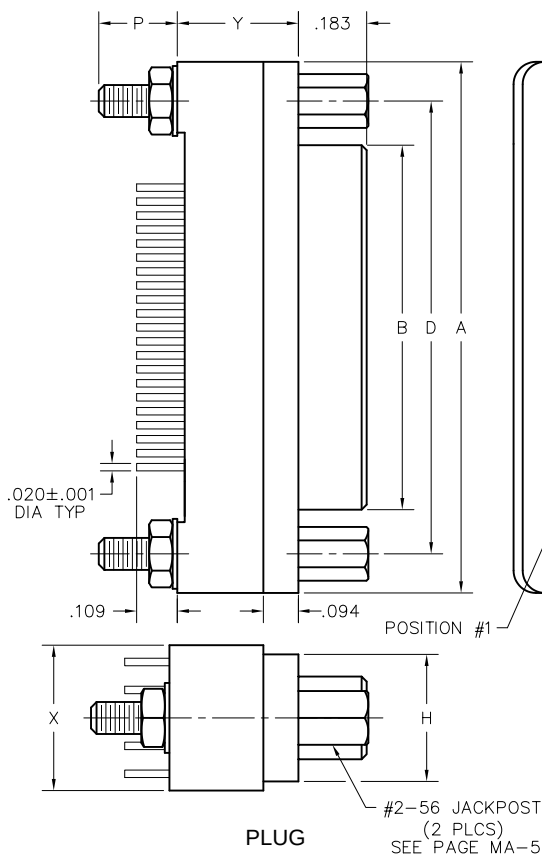
MM-322-051-261-45WP
(METAL)

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

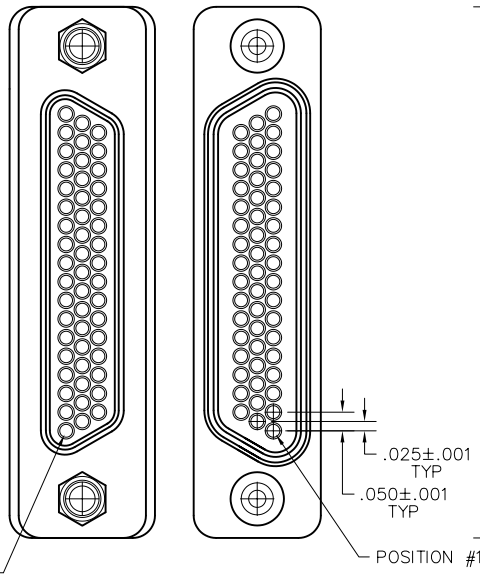


MK-332-051-125-2200
(METAL)

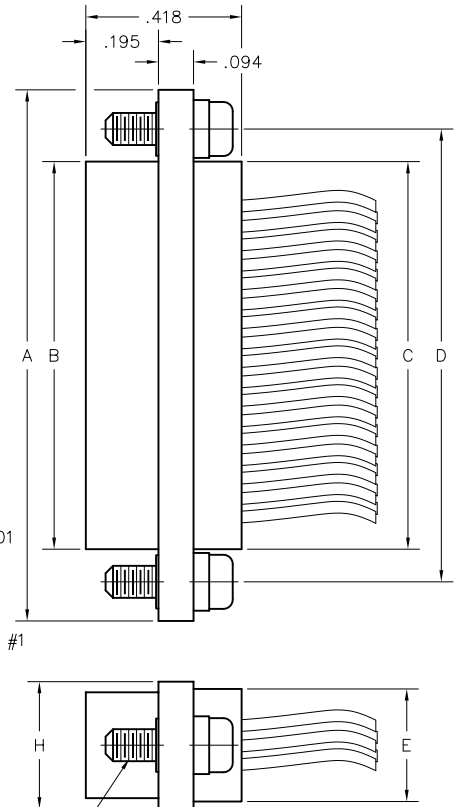
ML-331-051-125-2200
(PLASTIC)



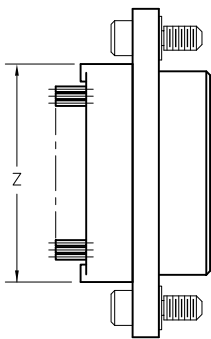
PLUG



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

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)
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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