

PLUG: MQ- 212-031- 161-41WS
RECEPTACLE: MQ- 222-031- 2G3-4500
PLUG: MP- 211-031- 161-41WS
RECEPTACLE: MP- 221-031- 2G3-4500
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG

RECEPTACLE

SERIES	
MQ .050" Low Profile Metal I/O Connector	MQ .050" Low Profile Metal I/O Connector
MP .050" Low Profile Plastic I/O Connector	MP .050" Low Profile Plastic I/O Connector
(MQ & MP mate with MP, MQ, MR, MS receptacles)	

BODY	
2 2-Row (Sizes 9 thru 37)	2 2-Row (Sizes 9 thru 37)
3 3-Row (Size 51)	3 3-Row (Size 51)
BODY STYLE:	
1 Plug, straight, with ears	2 Receptacle, straight, with ears
BODY MATERIAL:	
1 Polyphenylene Sulfide (MN only)	1 Polyphenylene Sulfide (MN only)
2 Polyphenylene Sulfide with electroless nickel shell	2 Polyphenylene Sulfide with electroless nickel shell
3 Polyphenylene Sulfide with electrodeposited cadmium shell ☒	3 Polyphenylene Sulfide with electrodeposited cadmium shell ☒
4 Polyphenylene Sulfide with hard anodized black shell	4 Polyphenylene Sulfide with hard anodized black shell

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

CONTACTS	
TYPE CONTACTS/TERMINATIONS:	
11 Pin, straight, 26 awg solder cup	21 Socket, straight, 26 awg solder cup
1A Pin, straight, 24 awg solder cup	2A Socket, straight, 24 awg solder cup
1D Pin, straight, .109" Lead Length (.018 dia) SEE NOTE 1	2D Socket, straight, .109" Lead Length (.018 dia)
1E Pin, straight, .125" Lead Length (.018 dia) SEE NOTE 1	2E Socket, straight, .125" Lead Length (.018 dia)
1F Pin, straight, .140" Lead Length (.018 dia) SEE NOTE 1	2F Socket, straight, .140" Lead Length (.018 dia)
1G Pin, straight, .150" Lead Length (.018 dia) SEE NOTE 1	2G Socket, straight, .150" Lead Length (.018 dia)
1H Pin, straight, .156" Lead Length (.018 dia) SEE NOTE 1	2H Socket, straight, .156" Lead Length (.018 dia)
1J Pin, straight, .172" Lead Length (.018 dia) SEE NOTE 1	2J Socket, straight, .172" Lead Length (.018 dia)
1K Pin, straight, .187" Lead Length (.018 dia) SEE NOTE 1	2K Socket, straight, .187" Lead Length (.018 dia)
1L Pin, straight, .250" Lead Length (.018 dia) SEE NOTE 1	2L Socket, straight, .250" Lead Length (.018 dia)
1M Pin, straight, .375" Lead Length (.018 dia) SEE NOTE 1	2M Socket, straight, .375" Lead Length (.018 dia)
1N Pin, straight, .500" Lead Length (.018 dia) SEE NOTE 1	2N Socket, straight, .500" Lead Length (.018 dia)
1P Pin, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1	2P Socket, straight, .500" Lead Length (.018 dia) SEE NOTE 1
16 Pin, straight, crimped wire	26 Socket, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1
PLATING OPTIONS:	
1 50 μ" Au contacts (crimp wire)	1 50 μ" Au contacts (crimp wire)
3 50 μ" Au contacts (solder cup, pigtail)	3 50 μ" Au contacts (solder cup, pigtail)
5 50 μ" Au contacts; Sn/Pb alloy terminations ☒	5 50 μ" Au contacts; Sn/Pb alloy terminations ☒
7 50 μ" Au contacts; SAC305 terminations	7 50 μ" Au contacts; SAC305 terminations

HARDWARE	
STYLE OF HARDWARE:	
00 None	00 None
22 Two fixed jacknut assemblies (62*)	22 Two fixed jacknut assemblies (62*)
41 Two turning jackscrews, allen head, retaining ring (81*)	41 Two turning jackscrews, allen head, retaining ring (81*)
42 Two long turning jackscrews, allen head, retaining ring (82*)	42 Two long turning jackscrews, allen head, retaining ring (82*)
43 Two turning jackscrews, slot head, retaining ring (83*)	43 Two turning jackscrews, slot head, retaining ring (83*)
44 Two long turning jackscrews, slot head, retaining ring (84*)	44 Two long turning jackscrews, slot head, retaining ring (84*)
45 Two turning jackscrews, allen head, captivated** (85*)	45 Two turning jackscrews, allen head, captivated** (85*)
99 Keying hardware, see options below. (Body material 2, 3 and 4 only)	99 Keying hardware, see options below. (Body material 2, 3 and 4 only)
POLARIZATION / WIRING	
00 None	00 None
XX For wiring codes, see page MA-3 & MA-4	XX For wiring codes, see page MA-3 & MA-4

OPTIONS	
KSXX Two turning jackscrews. See page MA-6 for keying options	KSXX Two turning jackscrews and interfacial sealing gasket. See page MA-6 for keying options
KPXX Two fixed jacknuts. See page MA-6 for keying options	KPXX Two fixed jacknuts and interfacial sealing gasket. See page MA-6 for keying options

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

NOTE 1 = The leads on these contacts are soft copper suitable for forming.

☒ = Option not RoHS compliant

Ask About AirBorn's Accelerated Delivery Service



Cable to Cable

.050"

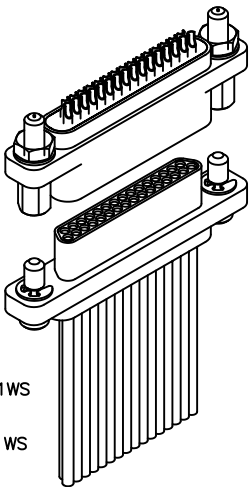
9 thru 51 Contacts

Low Profile Metal

MQ

Low Profile Plastic

MP

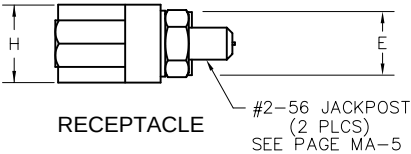
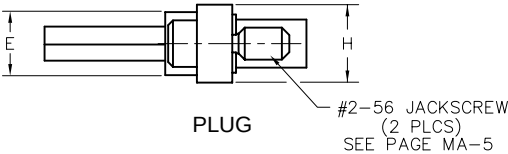
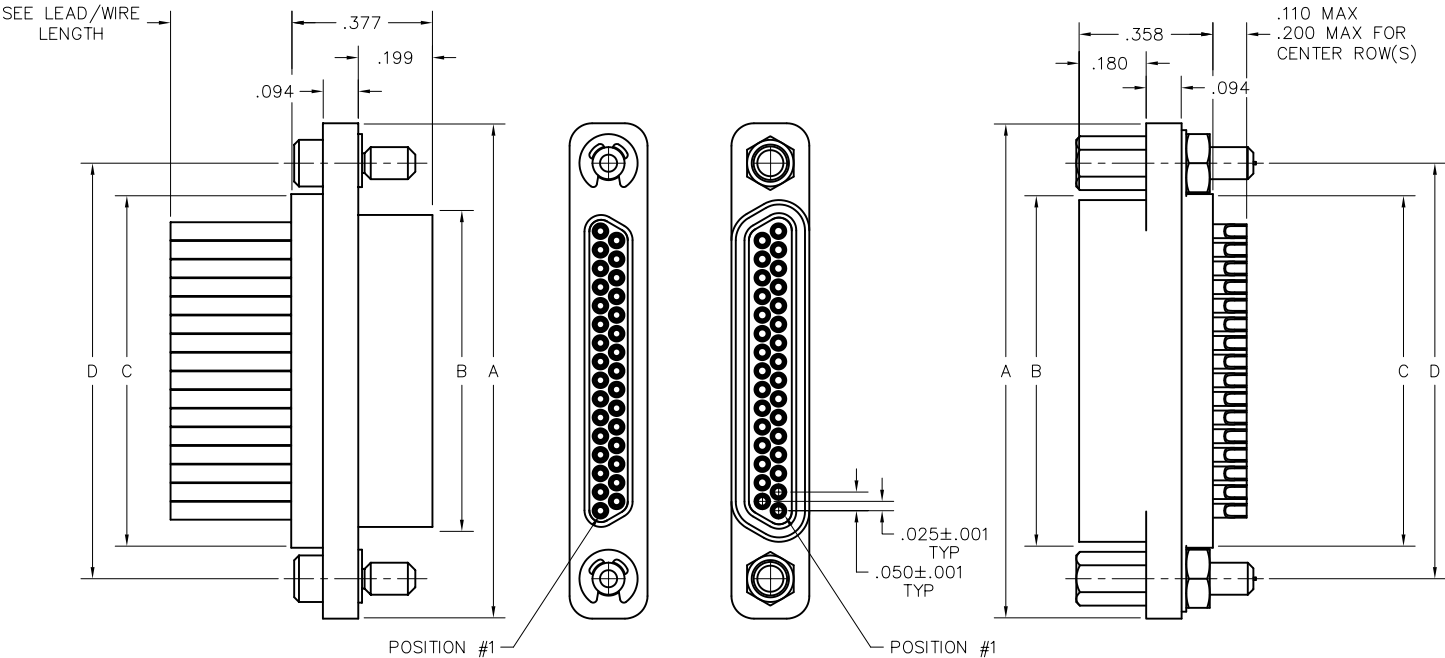


MQ-222-031-2A3-2200
(METAL)

MP-221-031-2A3-2200
(PLASTIC)

MQ-212-031-161-41WS
(METAL)

MP-211-031-161-41WS
(PLASTIC)



DIMENSIONS									
SIZE	CONTACT ROWS	A	B		C	D	E	H	HARDWARE
			PLUG MAX	RCPT MAX			POTTING WELL MAX		
9	2	.778	.292	.378	.398	.565	.173	.208	#2-56 UNC THD (.092 DIA THRU)
15		.928	.442	.528	.548	.715			
21		1.078	.592	.678	.698	.865			
25		1.178	.692	.778	.798	.965			
31		1.328	.842	.928	.948	1.115			
37		1.478	.992	1.078	1.098	1.265			
51	3	1.428	.942	1.028	1.048	1.215	.220	.250	

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