



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)		(MQ & MP mate with MP, MQ, MR, MS plugs)	
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:		BODY STYLE:	
1 Plug, straight, with ears	2 Receptacle, straight, with ears		
BODY MATERIAL:		BODY MATERIAL:	
1 Polyphenylene Sulfide (MP only)	1 Polyphenylene Sulfide (MP only)	2 Polyphenylene Sulfide with electroless nickel shell	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
3 Polyphenylene Sulfide with electrodeposited cadmium shell ☒	4 Polyphenylene Sulfide with hard anodized black shell	A Pure Electro-Deposited Aluminum	A Pure Electro-Deposited Aluminum
4 Polyphenylene Sulfide with hard anodized black shell	K Zinc Nickel Plating	K Zinc Nickel Plating	T Nickel Polymer Plating
A Pure Electro-Deposited Aluminum	T Nickel Polymer Plating		
SIZE			
XXX 009, 015, 021, 025, 031, 037, 051		XXX 009, 015, 021, 025, 031, 037, 051	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
11 Pin, straight, 26 awg solder cup	21 Socket, straight, 26 awg solder cup	2A Socket, straight, 24 awg solder cup	2D Socket, straight, .109" Lead Length (.018 dia) SEE NOTE 1
1A Pin, straight, 24 awg solder cup	2E Socket, straight, .125" Lead Length (.018 dia) SEE NOTE 1	2F Socket, straight, .140" Lead Length (.018 dia) SEE NOTE 1	2G Socket, straight, .156" Lead Length (.018 dia) SEE NOTE 1
1D Pin, straight, .109" Lead Length (.018 dia) SEE NOTE 1	2H Socket, straight, .172" Lead Length (.018 dia) SEE NOTE 1	2J Socket, straight, .187" Lead Length (.018 dia) SEE NOTE 1	2K Socket, straight, .375" Lead Length (.018 dia) SEE NOTE 1
1E Pin, straight, .125" Lead Length (.018 dia) SEE NOTE 1	2L Socket, straight, .500" Lead Length (.018 dia) SEE NOTE 1	2M Socket, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1	24 Socket, straight, .500" Lead Length (.018 dia) SEE NOTE 1
1F Pin, straight, .140" Lead Length (.018 dia) SEE NOTE 1	25 Socket, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1	26 Socket, straight, crimped wire	
12 Pin, straight, .150" Lead Length (.018 dia) SEE NOTE 1			
1G Pin, straight, .156" Lead Length (.018 dia) SEE NOTE 1			
1H Pin, straight, .172" Lead Length (.018 dia) SEE NOTE 1			
1J Pin, straight, .187" Lead Length (.018 dia) SEE NOTE 1			
13 Pin, straight, .250" Lead Length (.018 dia) SEE NOTE 1			
1K Pin, straight, .375" Lead Length (.018 dia) SEE NOTE 1			
14 Pin, straight, .500" Lead Length (.018 dia) SEE NOTE 1			
15 Pin, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1			
16 Pin, straight, crimped wire			
PLATING OPTIONS:		PLATING OPTIONS:	
1 50 μ" Au contacts (crimp wire)	1 50 μ" Au contacts (crimp wire)	3 50 μ" Au contacts (solder cup, pigtail)	5 50 μ" Au contacts; Sn/Pb alloy terminations ☒
3 50 μ" Au contacts (solder cup, pigtail)	5 50 μ" Au contacts; Sn/Pb alloy terminations ☒	7 50 μ" Au contacts; SAC305 terminations	
5 50 μ" Au contacts; Sn/Pb alloy terminations ☒			
7 50 μ" Au contacts; SAC305 terminations			
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None	00 None	22 Two fixed jacknut assemblies (62")	41 Two turning jackscrews, allen head, retaining ring (81")
22 Two fixed jacknut assemblies (62")	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")
41 Two turning jackscrews, allen head, retaining ring (81")	45 Two turning jackscrews, allen head, captivated** (85")	99 Keying hardware, see options below. (Body material 2, 3 and 4 only)	
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		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
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.
☒ = Option not RoHS compliant

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