

MM

Rugged Plastic

MN

.094 -

.406 —

.183

В

POSITION #1

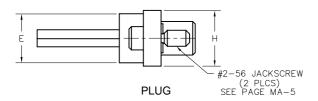
SEE LEAD/WIRE LENGTH

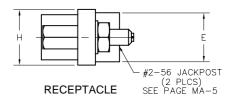
D С

MM-223-025-2A3-2200 (METAL) MN-221-025-2A3-2200 (PLASTIC) MM-212-025-161-41WA (METAL) MN-211-025-161-41WA (PLASTIC) .418

.110 MAX .200 MAX FOR CENTER ROW(S) - 094 C D В .025±.001 TYP .050±.001 TYP

POSITION #1





SIZE C	CONTACT				DIMENSIONS												
SIZE			В				E										
	ROWS	Α	PLUG MAX	RCPT MAX	С	D	POTTING WELL MAX	Н	HARDWARE								
9		.775	.334	.400	.390	.565											
15		.925	.484	.550	.540	.715			#2-56 UNC THD								
21	2	1.075	.634	.700	.690	.865	.270	.298									
25		1.175	.734	.800	.790	.965	.270	.290	(.092 DIA THRU)								
31		1.325	.884	.950	.940	1.115			`								
37		1.475	1.034	1.100	1.090	1.265											
51**		1.825	1.384	1.450	1.440	1.615											
51	3	1.425	.984	1.050	1.040	1.215	74.0	7.11									
69	J	1.725	1.284	1.350	1.340	1.515	.310	.341									
100	4	2.160	1.384	1.508	1.432	1.800	.360	.384	#4-40 UNC THD								

^{*} = 69 POSITION CONNECTORS ARE AVAILABLE IN METAL ONLY.

= 2 ROW, 51 POSITION CONNECTORS ARE AVAILABLE IN METAL ONLY, (NON MIL-SPEC INTERFACE).



PLUG: MM-212-031-161-41WA **RECEPTACLE:** MM-222-031-2G3-4500 PLUG: MN-211-031-161-41WA **RECEPTACLE:** MN-221-031-2G3-4500

PLU	JG	REC	RECEPTACLE: CEPTACLE							XX—XX
	SER			٦Û	Î					
MN	.050" Rugged Metal I/O Connector .050" Rugged Plastic I/O Connector & MN mate with MK, ML, MM, MN receptacles)	MM MN	.050" Rugged Metal I/O Connector .050" Rugged Plastic I/O Connector & MN mate with MK, ML, MM, MN plugs)							
	ВО	DY								
2 3 4	2-Row (Sizes 9 thru 51****) 3-Row (Size 51 & 69***) 4-Row (Size 100)	2 3 4	2-Row (Sizes 9 thru 51****) 3-Row (Size 51 & 69***) 4-Row (Size 100)							
1	BODY STYLE: Plug, straight, with ears	2	BODY STYLE: Receptacle, straight, with ears							
1 2 3	BODY MATERIAL: Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electroless nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell	1 2 3	BODY MATERIAL: Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electroless nicke Polyphenylene Sulfide with electrodeposited cadmium shell		nell					
4	Polyphenylene Sulfide with hard anodized black shell	4	Polyphenylene Sulfide with hard anodized black shell							
5	Polyphenylene Sulfide with stainless steel shell	5	Polyphenylene Sulfide with stainless steel sl	neii						
XXX	SIZ (009, 015, 021, 025, 031, 037, 051****, 069***, 100	1	009, 015, 021, 025, 031, 037, 051****, 069**	 **, 1	100					
	CONT	ACTS	3	1						
11 1A 1D		21 2A 2D	TYPE CONTACTS/TERMINATIONS: Socket, straight, 26 awg solder cup Socket, straight, 24 awg solder cup Socket, straight, .109" Lead Length (.018 dia							
1E 1F 12 1G 1H	Pin, straight, .140" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, .150" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, .156" Lead Length (.018 dia) SEE NOTE 1	2E 2F 22 2G 2H	Socket, straight, .125" Lead Length (.018 dia Socket, straight, .140" Lead Length (.018 dia Socket, straight, .150" Lead Length (.018 dia Socket, straight, .156" Lead Length (.018 dia Socket, straight, .172" Lead Length (.018 dia	a) a) a)						
1J 13 1K 14 15 16	Pin, straight, .187" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, .250" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, .375" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, .500" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, 1.000" Lead Length (.018 dia) SEE NOTE 1 Pin, straight, crimped wire	2J 23 2K 2L 2M 24 25 26	Socket, straight, .187" Lead Length (.018 dis Socket, straight, .250" Lead Length (.018 dis Socket, straight, .375" Lead Length (.018 dis Socket, straight, .500" Lead Length (.018 dis Socket, straight, 1.000" Lead Length (.018 dis Socket, straight, .500" Lead Length (.018 dis Socket, straight, .500" Lead Length (.018 dis Socket, straight, .1000" Lead Length (.018 dis Socket, straight, crimped wire	a) a) a) dia) a)						
1 3 5 7	PLATING OPTIONS: 50 μ" Au contacts (crimp wire) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; Sn/Pb alloy terminations ⊠ 50 μ" Au contacts; SAC305 terminations	1 3 5 7	PLATING OPTIONS: 50 µ" Au contacts (crimp wire) 50 µ" Au contacts (solder cup, pigtail) 50 ų" Au contacts; Sn/Pb alloy terminatio 50 ų" Au contacts; SAC305 terminations	ns	×					
_	HARD			1						
00	STYLE OF HARDWARE: None		STYLE OF HARDWARE:							
22 41	Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring (81*)	22 41	Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring (81*)							
42	Two long turning jackscrews, allen head, retaining ring (82*) Two turning jackscrews, slot head,	42	Two long turning jackscrews, allen head, retaining ring (82*) Two turning jackscrews, slot head,							
44	retaining ring (83*) Two long turning jackscrews, slot head,	44	retaining ring (83*) Two long turning jackscrews, slot head,							
45	retaining ring (84*) Two turning jackscrews, allen head, captivated** (85*)	45	retaining ring (84*) 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 None For wiring codes, see page MA-3 & MA-4	00 XX	POLARIZATION / WIRING None For wiring codes, see page MA-3 & MA-4						_	
	OPTI			1						_
	CX Two turning jackscrews. See page MA-6 for keying options (KJ*) CX Two fixed jacknuts. See page MA-6 for keying options (KN*)	KSX	X Two turning jackscrews and interfacial sea See page MA-6 for keying options (KJ*) X Two fixed jacknuts and interfacial sealing See page MA-6 for keying options (KN*) Interfacial sealing gasket			sket				
*	= Use numbers or letters in parenthesis when ordering si	ize 10	0. NOTE 1 = The leads	s on	thes	se c	ontacts	s are s	oft co	pper

suitable for forming.

^{* =} 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.

**** = 2 row, 51 position connectors are available in metal only (non Mil-Spec interface).