

**PLUG:** MK-2H3-031-375-2200

**RECEPTACLE:** MM-223-031-213-4100

XX-XXX-XXX-XXX-XXXX-XXX

**PLUG**

**RECEPTACLE**

SERIES	
MK .050" Rugged Metal Surface Mount Connector (MK mates with MK, ML, MM, MN receptacles)	MM .050" Rugged Metal I/O Connector (MM mates with MK, ML, MM, MN plugs)

BODY	
2 2-Row (Sizes 9 thru 51*)	2 2-Row (Sizes 9 thru 51*)
<b>BODY STYLE:</b> H Plug, vertical surface mount	<b>BODY STYLE:</b> 2 Receptacle, straight, with ears
<b>BODY MATERIAL:</b> 2 Polyphenylene Sulfide with electroless nickel shell 3 Polyphenylene Sulfide with electrodeposited cadmium shell <input checked="" type="checkbox"/> 4 Polyphenylene Sulfide with hard anodized black shell	<b>BODY MATERIAL:</b> 2 Polyphenylene Sulfide with electroless nickel shell 3 Polyphenylene Sulfide with electrodeposited cadmium shell <input checked="" type="checkbox"/> 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	
<b>TYPE CONTACTS/TERMINATIONS:</b> 37 Pin, vertical smt	<b>TYPE CONTACTS/TERMINATIONS:</b> 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
<b>PLATING OPTIONS:</b> 5 50 μ" Au contacts; Sn/Pb alloy terminations <input checked="" type="checkbox"/> 7 50 μ" Au contacts; SAC305 terminations	<b>PLATING OPTIONS:</b> 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) <input checked="" type="checkbox"/> 7 50 μ" Au contacts; SAC305 terminations (pigtail)

HARDWARE	
<b>STYLE OF HARDWARE:</b> 00 None 22 Two fixed jacknut assemblies 41 Two turning jackscrews, allen head, retaining ring 99 Keying hardware, see options below	<b>STYLE OF HARDWARE:</b> 00 None 22 Two fixed jacknut assemblies 41 Two turning jackscrews, allen head, retaining ring 42 Two long turning jackscrews, allen head, retaining ring 43 Two turning jackscrews, slot head, retaining ring 44 Two long turning jackscrews, slot head, retaining ring 45 Two turning jackscrews, allen head, captivated** 99 Keying hardware, see options below
<b>POLARIZATION / WIRING:</b> 00 None	<b>POLARIZATION / WIRING:</b> 00 None XX For wiring codes, see page MA-3 & MA-4

OPTIONS	
KPXX Two fixed jacknuts. See page MA-6 for keying options	KSXX Two turning jackscrews and interfacial sealing gasket. See page MA-6 for keying options 900 Interfacial sealing gasket

\* = 2 row, 51 position connectors are non-Mil Spec interface.  
\*\* = Captive hardware is factory installed and non-removable.

= Option not RoHS compliant



# Cable to Board (Vertical Surface Mount)

.050"

9 thru 51 Contacts

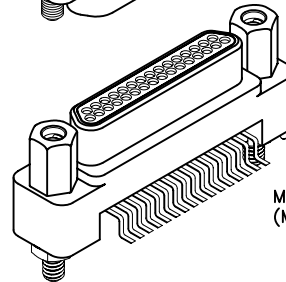
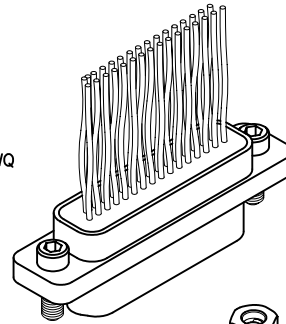
Rugged Surface Mount

**MK**

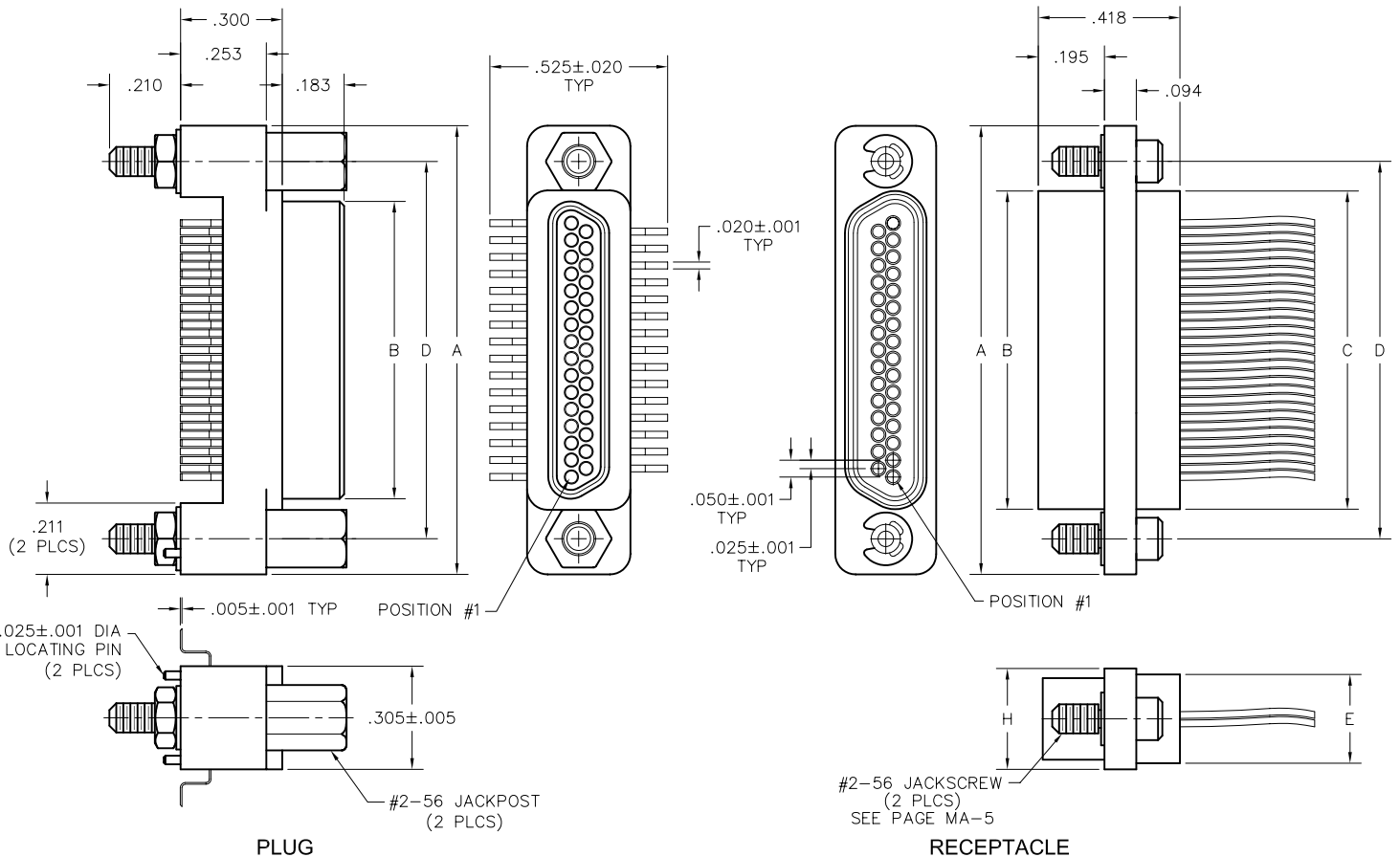
Rugged Cable

**MM**

MM-222-031-261-41WQ  
(METAL)



MK-2H2-031-375-2200  
(METAL)



SIZE	CONTACT ROWS	A	B		C	D	DIMENSIONS		H	HARDWARE
			PLUG MAX	RCPT MAX			POTTING WELL MAX	E		
9	2	.775	.334	.400	.390	.565	.270	.298	#2-56 UNC THD (.092 DIA THRU)	
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		1.475	1.034	1.100	1.090	1.265				
51*		1.825	1.384	1.450	1.440	1.615				

\* = 51 POSITION CONNECTORS ARE NON-MIL SPEC INTERFACE

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