Cable to Board
(Vertical Surface Mount)

.050"

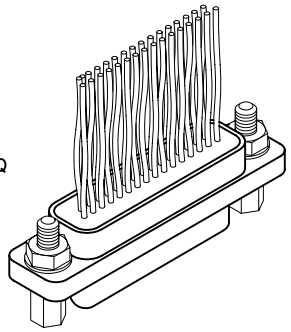
9 thru 51 Contacts

Rugged Surface Mount

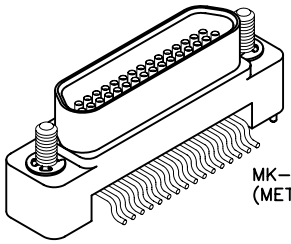
MK

Rugged Cable

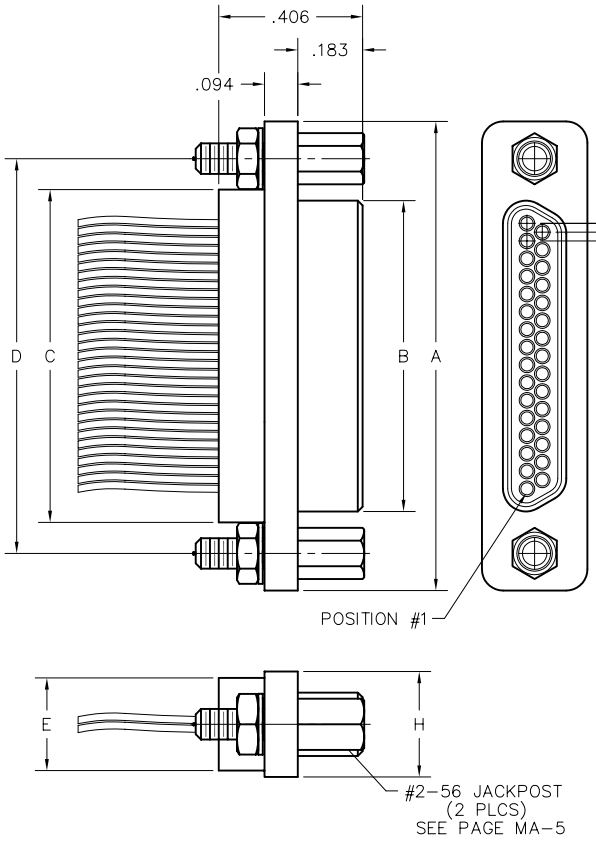
MM

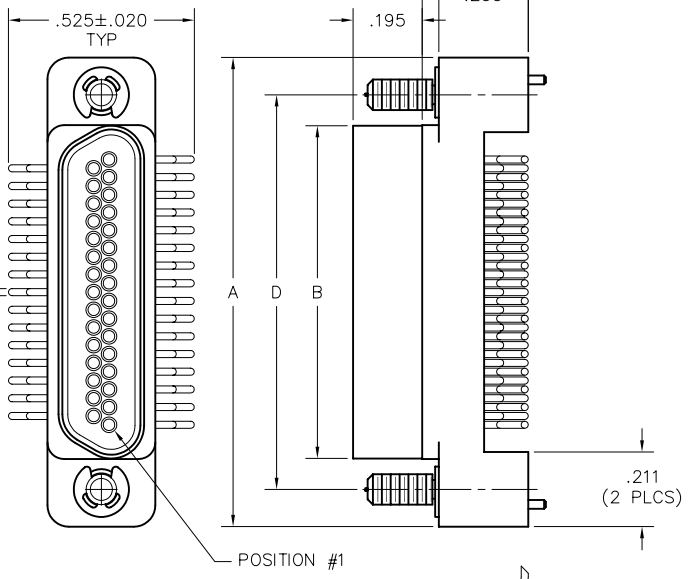


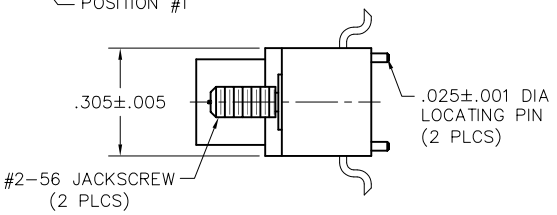
MM-212-031-161-22WQ
(METAL)



MK-2J2-031-475-4100
(METAL)







PLUG RECEPTACLE

DIMENSIONS									
SIZE	CONTACT ROWS	A	B PLUG MAX	B RCPT MAX	C	D	E POTTING WELL MAX	H	HARDWARE
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

Downloaded from Arrow.com.

PLUG: MM–212–031–161–41WQ
RECEPTACLE: MK–2J2–031–475–2200
XX–XXX–XXX–XXX–XXXX–XXX

PLUG	RECEPTACLE
SERIES	
MM .050" Rugged Metal I/O Connector (MM mates with MK, ML, MM, MN receptacles)	MK .050" Rugged Metal Surface Mount Connector (MK mates with MK, ML, MM, MN plugs)
BODY	
2 2-Row (Sizes 9 thru 51*)	2 2-Row (Sizes 9 thru 51*)
BODY STYLE:	BODY STYLE:
1 Plug, straight, with ears	J Receptacle, vertical surface mount
BODY MATERIAL:	BODY MATERIAL:
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:	TYPE CONTACTS/TERMINATIONS:
11 Pin, straight, solder cup	47 Socket, vertical smt
14 Pin, straight, .500" pigtails (.018 dia)	
15 Pin, straight, 1.000" pigtails (.018 dia)	
16 Pin, straight, crimped wire	
PLATING OPTIONS:	PLATING OPTIONS:
1 50 µ" Au contacts (crimp wire)	5 50 µ" Au contacts; Sn/Pb alloy terminations ☒
3 50 µ" Au contacts: 10 µ" Au terminations (solder cup, pigtail)	7 50 µ" Au contacts; SAC305 terminations
5 50 µ" Au contacts; Sn/Pb alloy terminations (pigtail) ☒	
7 50 µ" Au contacts; SAC305 terminations (pigtail)	
HARDWARE	
STYLE OF HARDWARE:	STYLE OF HARDWARE:
00 None	00 None
22 Two fixed jacknut assemblies	22 Two fixed jacknut assemblies
41 Two turning jackscrews, allen head, retaining ring	41 Two turning jackscrews, allen head, retaining ring
42 Two long turning jackscrews, allen head, retaining ring	99 Keying hardware, see options below
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	
POLARIZATION / WIRING:	POLARIZATION / WIRING
00 None	00 None
XX For wiring codes, see page MA-3 & MA-4	
OPTIONS	
KSXX Two turning jackscrews. See page MA-6 for keying options	KPXX Two fixed jacknuts 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

Downloaded from Arrow.com.