

## **Board (Narrow Footprint) to Cable**

.050"

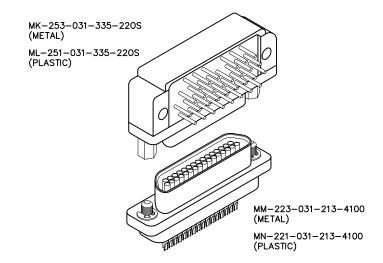
9 thru 100 Contacts

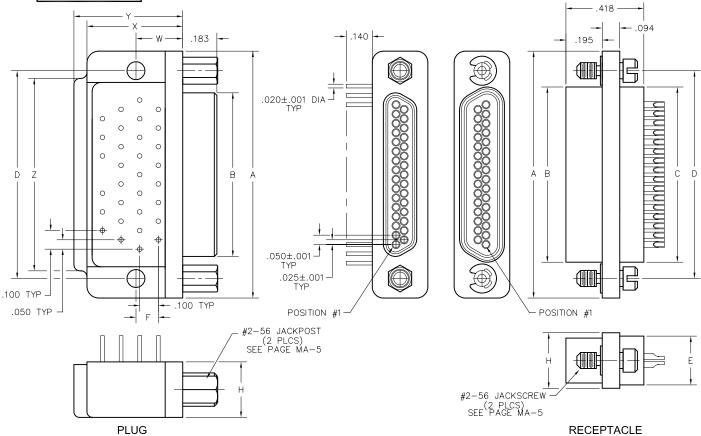
**Rugged Board Mount** 

MK, ML

Rugged Cable

MM, MN





							DIME	NSIONS							
SIZE	CONTACT ROWS	A	PLUG MAX	RCPT MAX	С	D	POTTING WELL MAX	F	Н	w	X MAX	Y MAX	Z	HARDWARE	MOUNTING HOLE
9	2	.775	.334	.400	.390	.565	270	.020			.420	.420	.775	#2-56 UNC THD (.092 DIA THRU)	.096 DIA OR #2-56 UNC THREADED INSERT
15		.925	.484	.550	.540	.715		.120	.298	.250			.925		
21		1.075	.634	.700	.690	.865							1.075		
25		1.175	.734	.800	.790	.965							1.175		
31		1.325	.884	.950	.940	1.115							1.080		
37		1.475	1.034	1.100	1.090	1.265							1.180		
51	3	1.425	.984	1.050	1.040	1.215	.310	.150	.341	.300	.430	.650	1.220		
69*	3	1.725	1.284	1.350	1.340	1.515						.755	1.450		
100	4	2.160	1.384	1.508	1.432	1.800	.360	.200	.384	.400	.590	1.000	1.810	#4-40 UNC THD	.125 DIA OF
* = 69 POSITION CONNECTORS ARE AVAILABLE IN METAL ONLY.									1 #4-40 UNC IHD (.147 DIA THRU)	#2-56 UNC THREADED INSERT					



MK-253-031-335-220S PLUG: **RECEPTACLE:** MM-223-031-213-4100 PLUG: ML-251-031-335-220S **RECEPTACLE:** MN-221-031-213-4100

PLU	IG .	REC	CEPTACLE XX-XXX-XXX-XXXX-XXXX-XXXX-XXXX-XXXX-X
	SEF	RIES	
ML	.050" Rugged Metal PC Board Mount Connector .050" Rugged Plastic PC Board Mount Connector & ML mate with MK, ML, MM, MN receptacles)	MN	.050" Rugged Metal I/O Connector .050" Rugged Plastic I/O Connector & MN mate with MK, ML, MM, MN plugs)
È	BC	DY	
2	2-Row (Sizes 9 thru 37) 3-Row (Size 51 & 69***)	2 3	2-Row (Sizes 9 thru 37) 3-Row (Size 51 & 69***)
	4-Row (Size 100) BODY STYLE:	4	4-Row (Size 100) BODY STYLE;
5	Plug, right angle, narrow footprint, w/ mtg holes	2	Receptacle, straight, with ears
2 3 4	BODY MATERIAL: Polyphenylene Sulfide (ML only) Polyphenylene Sulfide with electroless nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell  Polyphenylene Sulfide with hard anodized black shell Polyphenylene Sulfide with stainless steel shell	1 2 3 4 5	BODY MATERIAL: Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electroless nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell  Polyphenylene Sulfide with hard anodized black shell Polyphenylene Sulfide with stainless steel shell
	SIZ	ZE	
XXX	009, 015, 021, 025, 031, 037, 051, 069***, 100	XXX	009, 015, 021, 025, 031, 037, 051, 069***, 100
	CONT	ACTS	3
33 34	TYPE CONTACTS/TERMINATIONS: Pin, right angle, PCB leads, .109" Pin, right angle, PCB leads, .140" Pin, right angle, PCB leads, .172"	21 24 25 26	TYPE CONTACTS/TERMINATIONS: Socket, straight, solder cup Socket, straight, .500" pigtails (.018 dia) Socket, straight, 1.000" pigtails (.018 dia) Socket, straight, crimped wire
3 5	PLATING OPTIONS: 50 µ" Au contacts: 10 µ" Au terminations 50 µ" Au contacts; Sn/Pb alloy terminations  50 µ" Au contacts; SAC305 terminations	1 3 5	PLATING OPTIONS:  50 μ" Au contacts (crimp wire)  50 μ" Au contacts: 10 μ" Au terminations (solder cup, pigtail)  50 μ" Au contacts; Sn/Pb alloy terminations (pigtail) ⊠  50 μ" Au contacts; SAC305 terminations (pigtail)
	HARD	WARE	
00 22 41 99	STYLE OF HARDWARE: None Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring**** (81*) Keying hardware, see options below (Body material 2, 3 and 4 only)	00 22 41 42 43 44 45 99	STYLE OF HARDWARE: None Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring (81*) Two long turning jackscrews, allen head, retaining ring (82*) Two turning jackscrews, slot head, retaining ring (83*) Two long turning jackscrews, slot head, retaining ring (84*) Two turning jackscrews, allen head, captivated** (85*) Keying hardware, see options below (Body material 2, 3 and 4 only)
0R 0S	POLARIZATION / WIRING: Reversed body polarization Standard body polarization	00 XX	POLARIZATION / WIRING None For wiring codes, see page MA-3 & MA-4
		IONS	
KPX) 94P 0B7 0BJ	X Two fixed jacknuts. See page MA-6 for keying options (KN*) Mil-Spec footprint (size 100 only), standard body polarization Threaded inserts, standard body polarization Mil-Spec footprint (size 100 only) with threaded inserts, standard body polarization  Lise numbers or letters in parenthesis when ordering seep the standard body polarization.	900	Two turning jackscrews and interfacial sealing gasket. See page MA-6 for keying options (KJ*) Interfacial sealing gasket *** = 69 position connectors are available in metal only

<sup>\*\*\* = 69</sup> position connectors are available in metal only.

<sup>\* =</sup> Use numbers or letters in parenthesis when ordering size 100.
\*\* = Captive hardware is factory installed and non-removable.

<sup>\*\*\*\* =</sup> Connector body has no mounting holes.

## **Mouser Electronics**

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MK-252-037-325-410S