

Cable to Board (Standard Footprint)

.050"

9 thru 100 Contacts

Rugged Cable

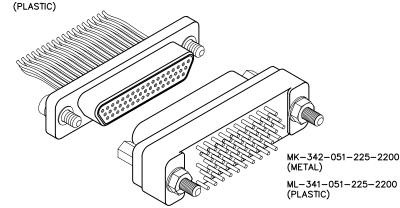
MM, MN

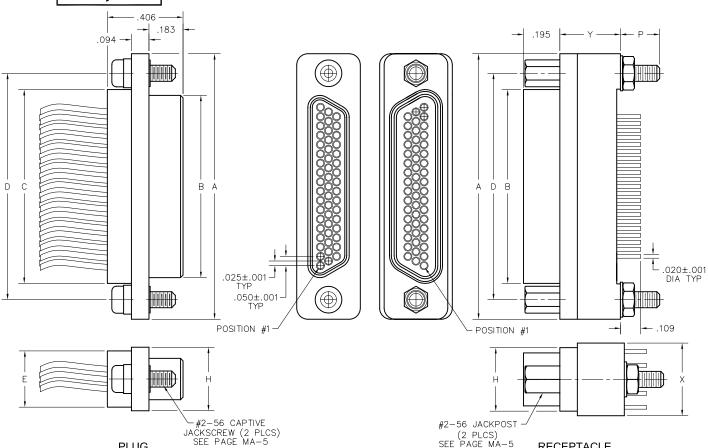
Rugged Board Mount

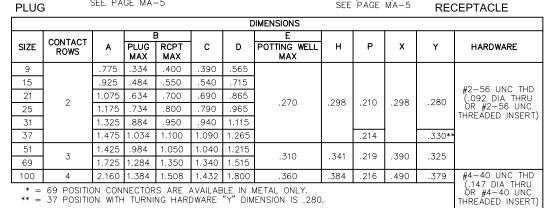
MK, ML

MM-312-051-161-45WP

MN-311-051-161-45WP







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PLUG: MM-312-051-161-45WP **RECEPTACLE:** MK-342-051-225-2200 PLUG: MN - 311 - 051 - 161 - 45WP**RECEPTACLE:** ML-341-051-225-2200

PLUG RECEPTACLE XX-XXX-XXX-XXX-XXX

SERIES

1	 -					
MN .	.050" Rugged Metal I/O Connector .050" Rugged Plastic I/O Connector & MN mate with MK, ML, MM, MN receptacles)	ML	.050" Rugged Metal PC Board Mount Connector .050" Rugged Plastic PC Board Mount Connector & ML mate with MK, ML, MM, MN plugs)			
	ВО	DY				
3	2-Row (Sizes 9 thru 37) 3-Row (Size 51 & 69***) 4-Row (Size 100)	2 3 4	2-Row (Sizes 9 thru 37) 3-Row (Size 51 & 69***) 4-Row (Size 100)			
	BODY STYLE: Plug, straight, with ears	4	BODY STYLE: Receptacle, straight, standard footprint			
1 2 3	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	1 2 3 4 5	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			
	SIZ	Έ		_		
XXX	009, 015, 021, 025, 031, 037, 051, 069***, 100	xxx	(009, 015, 021, 025, 031, 037, 051, 069***, 100			
	CONTACTS					
11 14 15	TYPE CONTACTS/TERMINATIONS: Pin, straight, solder cup Pin, straight, .500" pigtails (.018 dia) Pin, straight, 1.000" pigtails (.018 dia) Pin, straight, crimped wire	22 23 24	TYPE CONTACTS/TERMINATIONS: Socket, straight, PCB leads, .109" Socket, straight, PCB leads, .140" Socket, straight, PCB leads, .172"			
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) ⊠	3 5 7	PLATING OPTIONS: 50 µ" Au contacts: 10 µ" Au terminations 50 µ" Au contacts; Sn/Pb alloy terminations 50 µ" Au contacts; SAC305 terminations			
7	50 μ" Au contacts; SAC305 terminations (pigtail)	l				
	HARD	WAR	Ε			
00 22 41	STYLE OF HARDWARE: None Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring (81*) Two long turning jackscrews, allen head,	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			
	retaining ring (82*) Two turning jackscrews, slot head, retaining ring (83*)		material 2, 3 and 4 only)			

		POLARIZATION / WIRING
00 None	00	None
XX For wiring codes, see page MA-3 & MA-4		

OPTIONS

OI HONO								
KSXX Two turning jackscrews. See page MA-6 for keying options (KJ*)	KPXX Two fixed jacknuts and interfacial sealing gasket. See page MA-6 for keying options (KN*) 900 Interfacial sealing gasket Threaded inserts and interfacial sealing gasket							

- * = Use numbers or letters in parenthesis when ordering size 100.
- *** = 69 position connectors are available in metal only.
- ** = Captive hardware is factory installed and non-removable.

43 Two turning jackscrews, slot head, retaining ring (83*)

45 Two turning jackscrews, allen head, captivated** (85*)

44 Two long turning jackscrews, slot head,

99 Keying hardware, see options below (Body

retaining ring (84*)

material 2, 3 and 4 only)

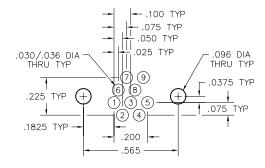
**** = Connector body has no mounting holes.



Recommended PC Board Layout

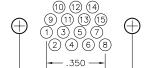
Straight, Standard Footprint





CONNECTOR MATING FACE (RECEPTACLE)

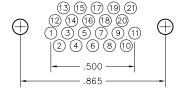




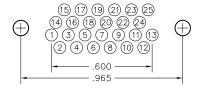
.715

9 POSITION

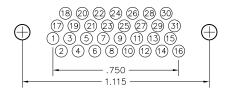




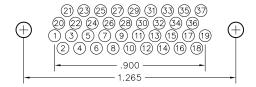
12 (2) (2) 1 (2) (1) 21 POSITION













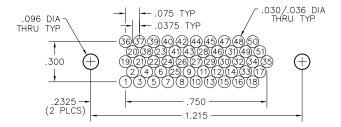
37 POSITION



Recommended PC Board Layout

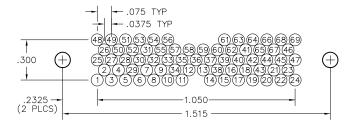
Straight, Standard Footprint

RECEPTACLE PC BOARD LAYOUT COMPONENT SIDE

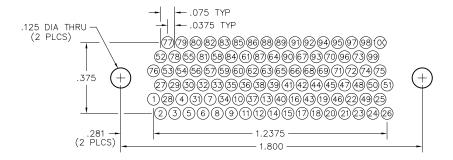


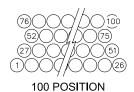










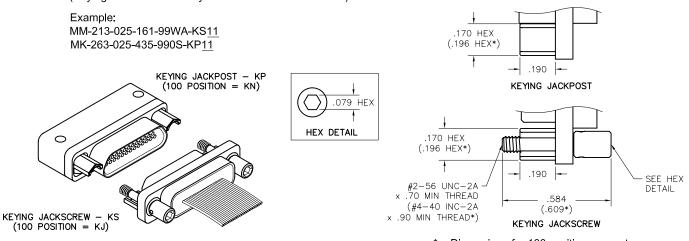




Polarized Keying Hardware



Select the appropriate two digit number above and include as the last two digits of the hardware code in the part number. (Keying hardware is factory installed and non-removable).



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