

PLUG: MF-212-015-145-4100-CF6
RECEPTACLE: MM-222-031-2G3-4500
PLUG: MF-212-031-1G3-4500
RECEPTACLE: MF-222-015-261-22WS-CF3
 XX-XXX-XXX-XXX-XXXX-XXX

PLUG		RECEPTACLE	
SERIES			
MF .050" Rugged Metal I/O Connector (MF mates with MK, ML, MM, MN receptacles)		MF .050" Rugged Metal I/O Connector (MF mates with MK, ML, MM, MN plugs)	
BODY			
2 2-Row (Sizes 9 thru 37)		2 2-Row (Sizes 9 thru 37)	
BODY STYLE: 1 Plug, straight, with ears		BODY STYLE: 2 Receptacle, straight, with ears & interfacial seal	
BODY MATERIAL: 2 Polyphenylene Sulfide with electroless nickel shell		BODY MATERIAL: 2 Polyphenylene Sulfide with electroless nickel shell	
3 Polyphenylene Sulfide with electrodeposited cadmium shell <input checked="" type="checkbox"/>		3 Polyphenylene Sulfide with electrodeposited cadmium shell <input checked="" type="checkbox"/>	
SIZE			
XXX 009, 015, 021, 025, 031, 037		XXX 009, 015, 021, 025, 031, 037	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
1D Pin, straight, .109" Lead Length (.018 dia) SEE NOTE 1	2D Socket, straight, .109" Lead Length (.018 dia)	1E Pin, straight, .125" Lead Length (.018 dia) SEE NOTE 1	2E Socket, straight, .125" Lead Length (.018 dia)
1F Pin, straight, .140" Lead Length (.018 dia) SEE NOTE 1	2F Socket, straight, .140" Lead Length (.018 dia)	1G Pin, straight, .156" Lead Length (.018 dia) SEE NOTE 1	2G Socket, straight, .156" Lead Length (.018 dia)
12 Pin, straight, .150" Lead Length (.018 dia) SEE NOTE 1	22 Socket, straight, .150" Lead Length (.018 dia)	1H Pin, straight, .172" Lead Length (.018 dia) SEE NOTE 1	2H Socket, straight, .172" Lead Length (.018 dia)
1J Pin, straight, .187" Lead Length (.018 dia) SEE NOTE 1	2J Socket, straight, .187" Lead Length (.018 dia)	1K Pin, straight, .375" Lead Length (.018 dia) SEE NOTE 1	2K Socket, straight, .375" Lead Length (.018 dia)
13 Pin, straight, .250" Lead Length (.018 dia) SEE NOTE 1	23 Socket, straight, .250" Lead Length (.018 dia)	14 Pin, straight, .500" pigtailed (.018 dia) SEE NOTE 1	2L Socket, straight, .500" Lead Length (.018 dia)
15 Pin, straight, .500" pigtailed (.018 dia) SEE NOTE 1	2M Socket, straight, .500" pigtailed (.018 dia) SEE NOTE 1	16 Pin, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1	2N Socket, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1
16 Pin, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1	24 Socket, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1		25 Socket, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1
	26 Socket, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1		26 Socket, straight, 1.000" pigtailed (.018 dia) SEE NOTE 1
PLATING OPTIONS:		PLATING OPTIONS:	
1 50 μ" Au contacts (stranded wire) <input checked="" type="checkbox"/>	1 50 μ" Au contacts (stranded wire) <input checked="" type="checkbox"/>	3 50 μ" Au contacts: 10, μ" Au terminations (pigtailed)	3 50 μ" Au contacts: 10, μ" Au terminations (pigtailed)
3 50 μ" Au contacts: 10, μ" Au terminations (pigtailed)	3 50 μ" Au contacts: 10, μ" Au terminations (pigtailed)	5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtailed) <input checked="" type="checkbox"/>	5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtailed) <input checked="" type="checkbox"/>
5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtailed) <input checked="" type="checkbox"/>	5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtailed) <input checked="" type="checkbox"/>		
HARDWARE			
STYLE OF HARDWARE:		STYLE OF HARDWARE:	
00 None	00 None	22 Two fixed jacknut assemblies	22 Two fixed jacknut assemblies
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
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	42 Two long turning jackscrews, allen head, retaining ring
42 Two long turning jackscrews, allen head, retaining ring	42 Two long turning jackscrews, allen head, retaining ring	43 Two turning jackscrews, slot head, retaining ring	43 Two turning jackscrews, slot head, retaining ring
43 Two turning jackscrews, slot head, retaining ring	43 Two turning jackscrews, slot head, retaining ring	44 Two long turning jackscrews, slot head, retaining ring	44 Two long turning jackscrews, slot head, retaining ring
44 Two long turning jackscrews, slot head, retaining ring	44 Two long turning jackscrews, slot head, retaining ring	45 Two turning jackscrews, allen head, captivated**	45 Two turning jackscrews, allen head, captivated**
45 Two turning jackscrews, allen head, captivated**	45 Two turning jackscrews, allen head, captivated**		
WIRING:		WIRING	
00 None	00 None	XX For wiring codes, see page MA-3 & MA-4	XX For wiring codes, see page MA-3 & MA-4
XX For wiring codes, see page MA-3 & MA-4	XX For wiring codes, see page MA-3 & MA-4		
CAPACITOR DESIGNATOR			
XXX See tables below		XXX See tables below	

** = Captive hardware is factory installed and non-removable. NOTE 1 = The leads on these contacts are soft copper suitable for forming.
 = Option not RoHS compliant

CERAMIC CHIP CAPACITOR FILTERS

CAPACITOR DESIGNATOR	CAP RANGE (pF)	MINIMUM INSERTION LOSS (DECIBELS)			
		10 MHz	15 MHz	30 MHz	50 MHz
CF1 <input checked="" type="checkbox"/>	150-250	—	—	1	4
CF2 <input checked="" type="checkbox"/>	300-500	1	2	5	8
CF3 <input checked="" type="checkbox"/>	700-1000	3	5	10	10
CF4 <input checked="" type="checkbox"/>	1300-2000	6	10	15	20
CF5 <input checked="" type="checkbox"/>	4000-5400	13	15	20	27
CF6 <input checked="" type="checkbox"/>	8500-11500	18	20	25	30

PLANAR CAPACITOR FILTERS

CAPACITOR DESIGNATOR	CAP RANGE (pF)	MINIMUM INSERTION LOSS (DECIBELS)			
		10 MHz	100 MHz	500 MHz	1 GHz
PF1 <input checked="" type="checkbox"/>	150-250	—	8	33	36
PF2 <input checked="" type="checkbox"/>	300-500	—	13	37	44
PF3 <input checked="" type="checkbox"/>	700-1000	2	19	42	42
PF4 <input checked="" type="checkbox"/>	1300-2000	6	25	45	45
PF5 <input checked="" type="checkbox"/>	4000-5400	14	34	41	41
PF6 <input checked="" type="checkbox"/>	8500-11500	20	36	43	43

Minimum no load attenuation (in 50 Ohm system, 25° C)