

MF-222-015-261-22WS-CF3

Filtered Cable Connectors

.050"

9 thru 37 Contacts

Rugged Metal

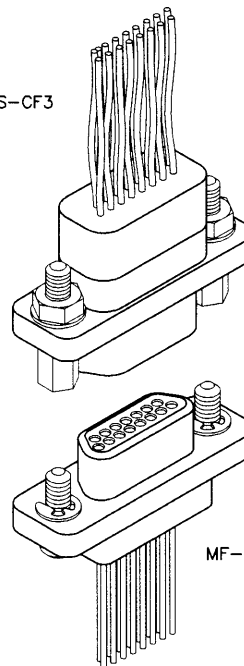
MF

Electrical Data

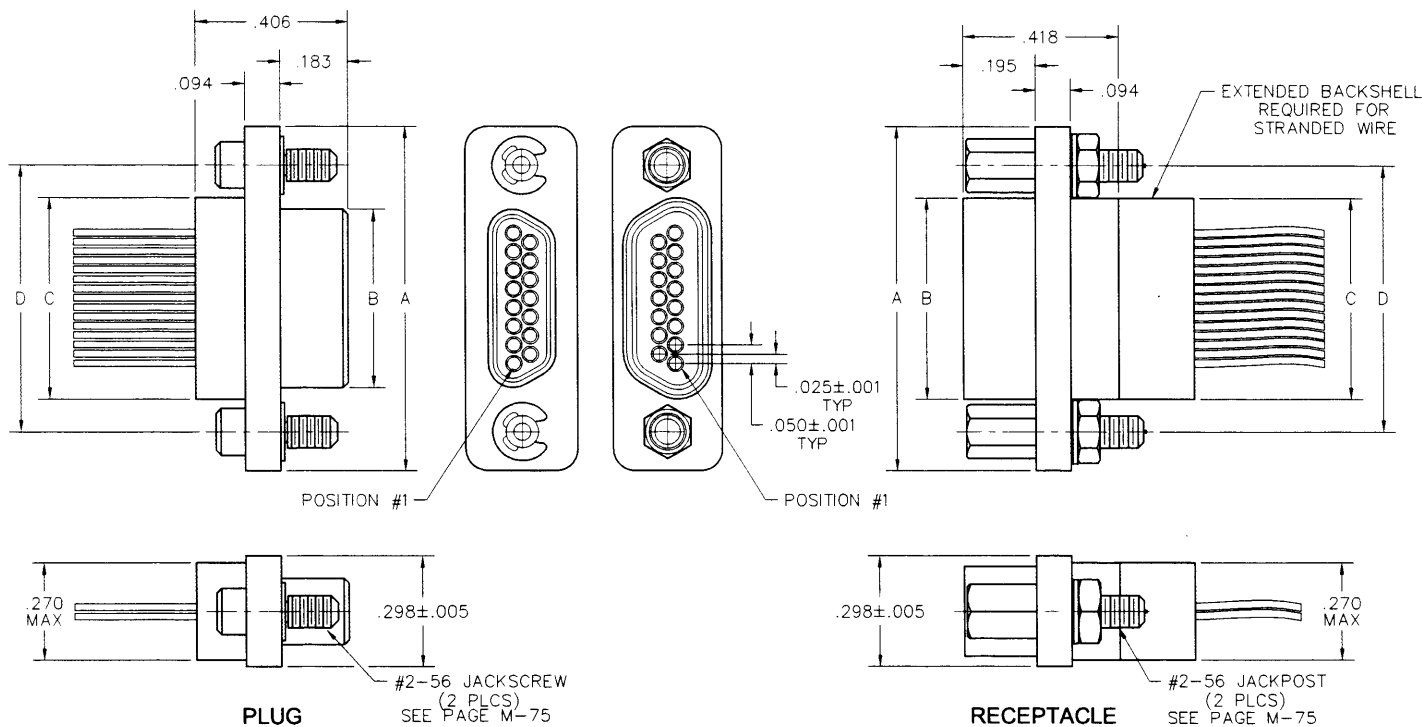
Dielectric Withstanding Voltage (DWV): 300 VDC
 Insulation Resistance: 5000 Megohms @ 100 VDC
 Working Voltage (WV): 100 VDC
 Current Rating: 3 Amps

Application Notes

1. Hipot voltage must not exceed working voltage.
2. Maximum solder tinning temperature is 275° C while maintaining a tinning dwell of 5 seconds max.
3. Maximum solder station temperature is 360° C while maintaining a soldering dwell of less than 5 seconds.
4. Temperature exceeding 150° C should never be applied to the entire connector. Failure to adhere to these guidelines may result in damage to connector or significantly reduced operating characteristics.



MF-212-015-145-4100-CF6



DIMENSIONS							
SIZE	CONTACT ROWS	A	B		C	D	HARDWARE
			PLUG MAX	RCPT MAX			
9	2	.775	.334	.400	.390	.565	#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	

PLUG: MF-212-015-145-4100-CF6
 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)
1	BODY STYLE: Plug, straight, with ears	2	BODY STYLE: Receptacle, straight, with ears
2	BODY MATERIAL: Polyphenylene Sulfide with electroless nickel shell	2	BODY MATERIAL: Polyphenylene Sulfide with electroless nickel shell
3	Polyphenylene Sulfide with electrodeposited cadmium shell	3	Polyphenylene Sulfide with electrodeposited cadmium shell
SIZE			
XXX Number of contacts (009, 015, 021, 025, 031 or 037)		XXX Number of contacts (009, 015, 021, 025, 031 or 037)	
CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	
14	Pin, straight, .500" pigtails (.018 dia)	24	Socket, straight, .500" pigtails (.018 dia)
15	Pin, straight, 1.000" pigtails (.018 dia)	25	Socket, straight, 1.000" pigtails (.018 dia)
16	Pin, straight, crimped wire	26	Socket, straight, crimped wire
PLATING OPTIONS:		PLATING OPTIONS:	
1	50 μ" Au contacts (crimp wire)	1	50 μ" Au contacts (crimp wire)
3	50 μ" Au contacts: 10 μ" Au terminations (solder cup, pigtail)	3	50 μ" Au contacts: 10 μ" Au terminations (solder cup, pigtail)
5	50 μ" Au contacts; 100 μ" Sn terminations (pigtail)	5	50 μ" Au contacts; 100 μ" Sn 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	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
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**
POLARIZATION / WIRING:		POLARIZATION / WIRING	
00	None	00	None
WX	For wiring codes, see page M-73 & M-74	WX	For wiring codes, see page M-73 & M-74
OPTIONS			
CFX See electrical data table, see below		CFX See electrical data table, see below	

** = Captive hardware is factory installed and non-removable.

CAPACITOR DESIGNATION CODE	CAP RANGE (pF)	MINIMUM INSERTION LOSS (DECIBELS)							
		10 MHz	15 MHz	30 MHz	50 MHz	100 MHz	200 MHz	500 MHz	1 GHz
CF1	150-250	—	—	1	4	10	25	30	34
CF2	300-500	1	2	5	8	15	30	35	34
CF3	700-1000	3	5	10	10	25	35	35	34
CF4	1300-2000	6	10	15	20	30	35	37	34
CF5	4000-5400	13	15	20	27	30	35	37	35
CF6	8500-11500	18	20	25	30	30	35	37	35

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

Mouser Electronics

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[MK-263-025-445-220S](#) [MC-111-007-161-00WN](#)