

MICRO-CRIMP RECTANGULAR CONNECTORS

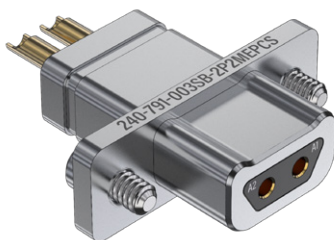
Series 791 Scoop-Proof



240-791-003

Cable Plug, Filtered

- ◆ Solder cup termination
- ◆ Socket contacts



240-791-003 cable plug has ceramic filter array to attenuate unwanted signals. Solder cup contacts. Available with two filter types (C, Pi) and 11 filter classes ranging from 35 pF to 240K pF. Shell has groove for attaching EMI banding backshell (799-293, sold separately). Available with jackscrews or screwlocks.

- Aerospace-grade filter connector with scoop-proof duo-lobe shell
- Ceramic planar array filter element
- 39 insert arrangements with M39029-type contacts
- Environmental

INSERT ARRANGEMENTS			
Insert Arrangement	No. of Contacts		
	#23	#16	#12
A-5	5		
B-2P2		2	
B-9	9		
C-13	13		
D-15	15		
D-3P3		3	
D-7P2	5	2	
E-11P2	9	2	
E-19	19		
E-7P3	4	3	
F-14P3	11	3	
F-15P2	13	2	
F-23	23		
F-5P5		5	
G-13P2	11		2
G-21P1	20		1
G-3P3			3
G-33	33		
H-10P4	6		4
H-29P7	22	7	
H-36P2	34		2
H-51P1	50		1
H-54P2	52	2	
H-5P5			5
H-66	66		
J-17P4	13	4	
J-25P2	23	2	
J-33	33		
J-7P7		7	
K-27P4	23	4	
K-35P2	33	2	
K-43	43		
K-9P9		9	
L-22P4	18		4
L-48P2	46		2
L-6P6			6
L-78	78		
M-17P17		17	
M-102	102		

HOW TO ORDER								
Sample Part Number		240-791-003S	E-19	ME	P	C	L	B
Basic Part Number	240-791-003S		Cable Receptacle, Filtered, Socket Contacts					
Shell Size-Insert Arr.	See “Insert Arrangements” Table							
Shell Finish	ME		Electroless Nickel					
	MT		Nickel / PTFE					
	N		Olive Drab Cadmium					
	TZ		Tin-Zinc					
	ZR		Black Zinc-Nickel					
Filter Type	C		C Circuit					
	P		Pi Circuit					
Filter Capacitance Class	See “Filter <i>Capacitance Class</i> ” Table							
Hardware Option Table 1	K		Extended Jackscrews <i>Slot head male</i>					
	L		Jackscrews <i>Socket head male</i>					
	N		Thru-Hole <i>No Hardware</i>					
	P		Female Jackposts					
	S		Screwlocks <i>Socket head male</i>					
	T		Extended Screwlocks <i>Slot head male</i>					
Polarization Key Option	Enter Letter Designator for Position A, B, C, D, E , or F per Mod Code 555 (see page B-8 for details) Omit for none							

FILTER CLASS		
Filter Class	Capacitance Range (pF)	
	Filter Type P	Filter Type C
X*†	160,000-240,000	80,000-120,000
Y*	80,000-120,000	40,000-60,000
Z*	60,000-90,000	30,000-45,000
A	38,000-56,000	19,000-28,000
B	32,000-45,000	16,000-22,500
C	18,000-33,000	9,000-16,500
D	8,000-12,000	4,000-6,000
E	3,300-5,000	1,650-2,500
F	800-1,300	400-650
G	400-600	200-300
J	70-120	35-60

* Filter classes X, Y and Z are 250 VDC. All others are 500 VDC.
 † Class X filters not available for arrangements with 3 or more rows of contacts.

TABLE 1 HARDWARE OPTIONS		

MICRO-CRIMP RECTANGULAR CONNECTORS

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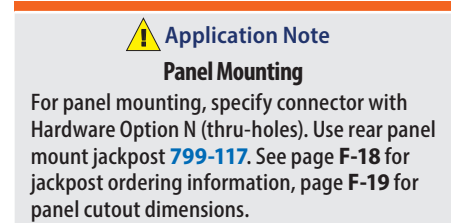
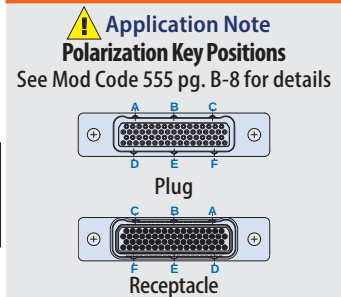
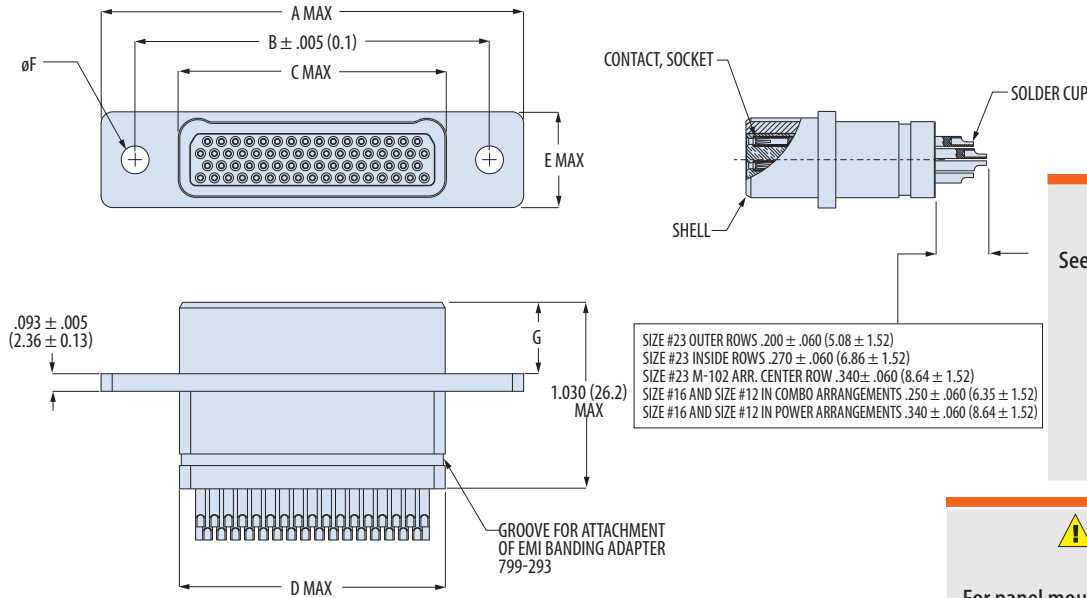
SERIES™
791
Scoop-Proof

240-791-003

Cable Plug, Filtered

- ◆ Solder cup termination
- ◆ Socket contacts

SERIES 791 SCOOP-PROOF



Shell Size	A Max		B ± .005 (0.1)		C Max		D Max		E Max		øF ± .005 (0.1)		G ± .003 (0.1)	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	1.035	26.3	.750	19.1	.415	10.5	.390	9.9	.415	10.5	.150	3.8	.383	9.7
B	1.185	30.1	.900	22.9	.565	14.4	.540	13.7	.415	10.5	.150	3.8	.383	9.7
C	1.335	33.9	1.050	26.7	.715	18.2	.690	17.5	.415	10.5	.150	3.8	.383	9.7
D	1.410	35.8	1.125	28.6	.790	20.1	.790	20.1	.415	10.5	.150	3.8	.383	9.7
E	1.560	39.6	1.275	32.4	.940	23.9	.940	23.9	.415	10.5	.150	3.8	.383	9.7
F	1.710	43.4	1.425	36.2	1.090	27.7	1.090	27.7	.415	10.5	.150	3.8	.383	9.7
G	1.673	42.5	1.388	35.3	1.052	26.7	1.090	27.7	.500	12.7	.150	3.8	.383	9.7
H	2.275	57.8	1.900	48.3	1.442	36.6	1.440	36.6	.520	13.2	.173	4.4	.383	9.7
J	2.085	53.0	1.800	45.7	1.465	37.2	1.450	36.8	.415	10.5	.150	3.8	.383	9.7
K	2.460	62.5	2.175	55.2	1.840	46.7	1.840	46.7	.415	10.5	.150	3.8	.383	9.7
L	2.511	63.8	2.136	54.3	1.678	42.6	1.675	42.5	.520	13.2	.173	4.4	.383	9.7
M	2.580	65.5	2.200	55.9	1.745	44.3	1.740	44.2	.635	16.1	.198	5.0	.423	10.7

RATINGS

- Voltage (DWV): 500 VDC. Class X, Y, Z: 250 VDC.
- Current rating for arrangements with all contacts the same size: #23 5A, #16 13A, #12 23A
- Current rating for arrangements with mixed contact sizes: #23 5A, #16 7.5A, #12 13A
- Operating temperature: -55 to +125 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random
- Insulation resistance: 5000 megohm @ 200 VDC. Class X, Y, Z: 1000 megohm @ 83 VDC

CONSTRUCTION

- Contacts: Copper alloy, gold over nickel finish
- Shell: Aluminum
- Insulators: High performance dielectric
- Panel gasket: Cho-Seal 1287 silver-plated aluminum filled fluorosilicone
- Hardware: Stainless steel

HARDWARE DIMENSIONS

Shell Size	Thread Size
A – G, J, K	#4-40
H, L	#6-32
M	#8-32

