

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 791 Scoop-Proof



240-791-007

Panel Plug, Filtered

- ◆ Solder cup termination
- ◆ Socket contacts



240-791-007 rear panel mount 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. O-ring provides ingress protection. Machined aluminum shell has rear threads for attaching EMI banding adapter (799-016, sold separately).

- 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			240-791-007S	J-33	ME	C	C	P	B
Basic Part Number	240-791-007S	Panel Plug, Filtered, Socket Contacts							
Shell Size-Insert Arr.	See “ <i>Insert Arrangements</i> ” Table								
Shell Finish	<u>ME</u> Electroless Nickel								
	<u>MT</u> Nickel / PTFE								
	<u>NF</u> Olive Drab Cadmium								
	<u>TZ</u> Tin-Zinc								
	<u>ZR</u> Black Zinc-Nickel								
Filter Type	<u>C</u> C Circuit								
	<u>P</u> Pi Circuit								
Filter Capacitance Class	See “Filter <i>Capacitance Class</i> ” Table								
Hardware Option	<u>N</u> No Hardware <i>Threaded holes</i>								
	<u>P</u> Female Jackposts								
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.

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 f or 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
■	O-ring: Fluorosilicone
■	Hardware: Stainless steel

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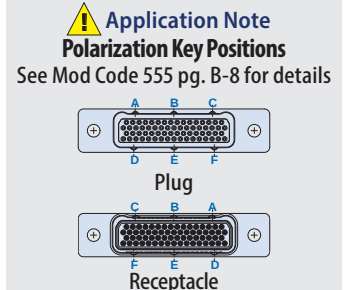
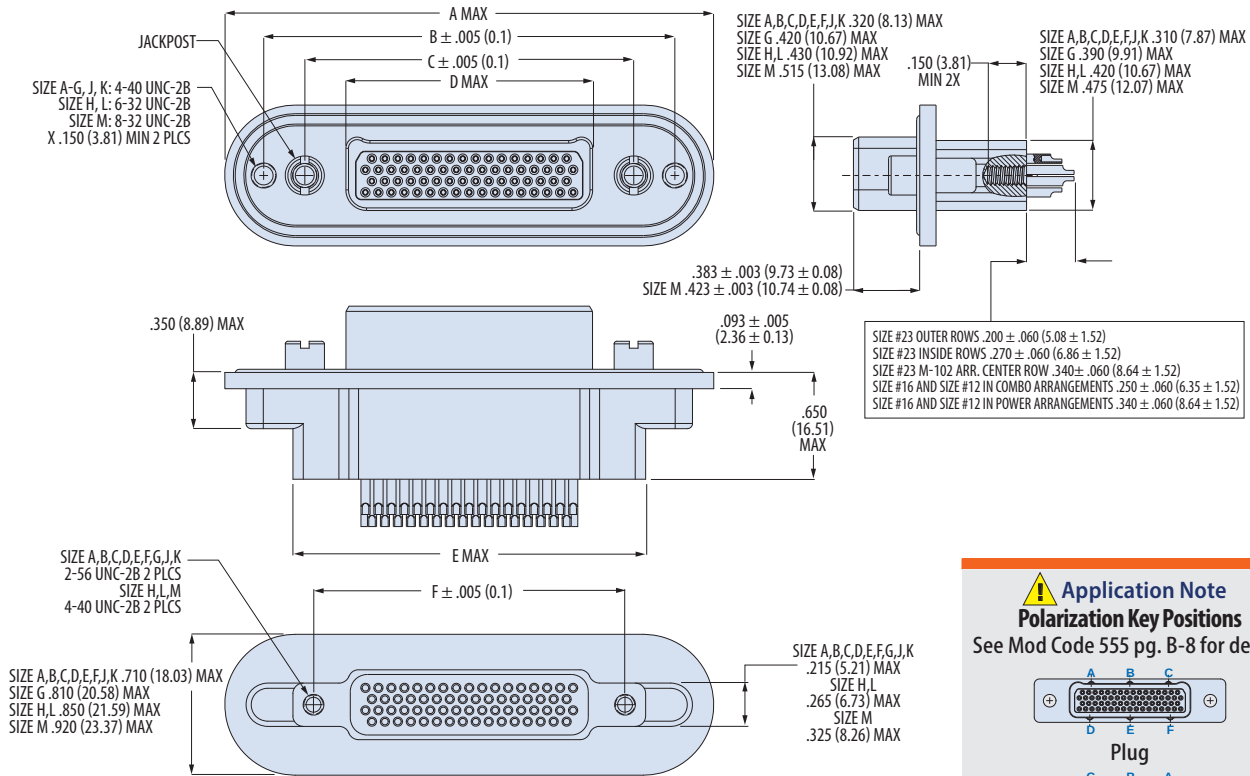
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SERIES™
791
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Shell Size	A Max		B ± .005 (0.1)		C ± .005 (0.1)		D Max		E Max		F ± .005 (0.1)	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	1.565	39.8	1.150	29.2	.750	19.1	.415	10.5	.760	19.3	.565	14.4
B	1.715	43.6	1.300	33.0	.900	22.9	.565	14.4	.910	23.1	.715	18.2
C	1.865	47.4	1.450	36.8	1.050	26.7	.715	18.2	1.060	26.9	.865	22.0
D	1.940	49.3	1.525	38.7	1.125	28.6	.790	20.1	1.160	29.5	.965	24.5
E	2.090	53.1	1.675	42.5	1.275	32.4	.940	23.9	1.310	33.3	1.115	28.3
F	2.240	56.9	1.825	46.4	1.425	36.2	1.090	27.7	1.460	37.1	1.265	32.1
G	2.200	55.9	1.785	45.3	1.388	35.3	1.052	26.7	1.410	35.8	1.215	30.9
H	2.835	72.0	2.375	60.3	1.900	48.3	1.442	36.6	2.045	51.9	1.800	45.7
J	2.615	66.4	2.200	55.9	1.800	45.7	1.465	37.2	1.810	46.0	1.615	41.0
K	2.990	75.9	2.575	65.4	2.175	55.2	1.840	46.7	2.210	56.1	2.015	51.2
L	3.075	78.1	2.611	66.3	2.136	54.3	1.678	42.6	2.281	57.9	2.036	51.7
M	3.345	85.0	2.824	71.7	2.200	55.9	1.745	44.3	2.445	62.1	2.200	55.9

HARDWARE DETAILS	
N No Hardware Tapped holes. Size A-G, J, K = 6-32 UNC-2B H, L = 8-32 UNC-2B M = 10-32 UNF-2B 150 (3.8) min. depth	P Female Jackposts Jackposts are non-removable. Size A-G, J, K = 4-40 UNC-2B H, L = 6-32 UNC-2B M = 8-32 UNC-2B

Application Note
Panel Cutout
See page B-53 for panel cutout dimensions.

Application Note
EMI Banding Backshell 799-016
See page F-32 for backshell ordering information.