

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 791 Scoop-Proof



791-013

PCB Receptacle, Straight Tails

- ◆ Straight PCB termination
- ◆ Pin contacts



791-013 receptacle has straight PC tails for thru-hole printed circuit board termination. Contacts are sealed with epoxy. Machined aluminum shell has integral standoff and threaded holes for attachment to PC board. Fluorosilicone face seal provides environmental protection. Available in forty insert arrangements with up to 102 contacts. Contact sizes include high-density #23 contacts on .075 inch (1.9mm) centers, #16 contacts, #12 contacts, and #8 contacts.

- Aerospace-grade ultraminiature connector with scoop-proof duo-lobe shell
- Epoxy-sealed PC terminals
- 40 insert arrangements with M39029-type contacts
- Environmental

INSERT ARRANGEMENTS				
Insert Arrangement	No. of Contacts			
	#23	#16	#12	#8
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			
M-4P4				4

HOW TO ORDER								
Sample Part Number		791-013P	H-66	M	E	P	C	B
Basic Part Number	791-013P	PCB Receptacle, Straight Tails, Pin Contacts						
Shell Size-Insert Arr.	See "Insert Arrangements" Table							
Shell Finish	M Electroless Nickel MT Nickel / PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel							
EMI Spring	E EMI Spring N No EMI Spring							
Jackpost Option Table 1	N No Jackposts P Female Jackposts R1 Rear Panel Mount Jackposts .032 (0.81) Panel Thickness R2 Rear Panel Mount Jackposts .050 (1.27) Panel Thickness R3 Rear Panel Mount Jackposts .062 (1.59) Panel Thickness R4 Rear Panel Mount Jackposts .080 (2.03) Panel Thickness R5 Rear Panel Mount Jackposts .093 (2.36) Panel Thickness R6 Rear Panel Mount Jackposts .125 (3.18) Panel Thickness							
	A .125 inch (3.2 mm) B .250 inch (6.4 mm) C .375 inch (9.5 mm)							
	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							

TABLE 1 JACKPOST OPTION		
N No Hardware		P Female Jackpost
R1 - R6 Rear Panel Jackpost		

RATINGS	CONSTRUCTION
<ul style="list-style-type: none"> ■ Voltage (DWV): size 23 contacts 750 VAC, size 8, 12 and 16: 1800 VAC ■ Current: #23 5A, #16 13A, #12 23A, #8 46A ■ Operating temperature: -65 to +150 °C ■ Durability: 500 mating cycles ■ Shock: 300 g ■ Vibration: 20 g random ■ Altitude immersion: 75,000 feet ■ Ingress protection: IP67 	<ul style="list-style-type: none"> ■ Contacts: Copper alloy, gold over nickel finish ■ Shell: Aluminum ■ Insulator: High performance thermoplastic ■ Face seal: Fluorosilicone/silicone blend ■ Encapsulant: Epoxy ■ Hardware: Stainless steel

MICRO-CRIMP RECTANGULAR CONNECTORS

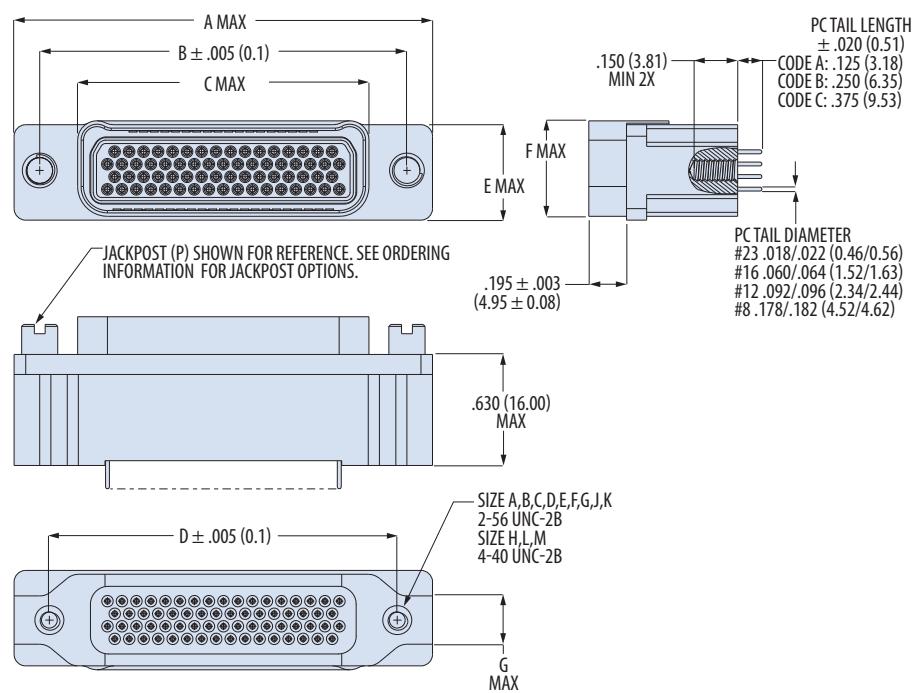
Series 791 Scoop-Proof

SERIES
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- ◆ Straight PCB termination
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Application Note

PCB Footprints

See Section **G** for PC board layouts.

Straight tails: pages **G-1 – G-9**

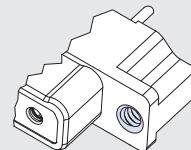
90° tails: pages **G-10 – G-20**

Application Note

Panel Cutout

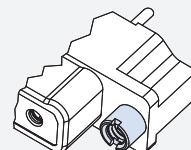
See page **B-52** for recommended panel cutout dimensions for connectors.

HARDWARE DETAILS



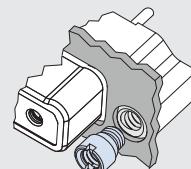
N No Jackpost

Connector supplied with threaded holes, .150 (3.8) minimum depth. Shell sizes A–G, J, K have 6-32 UNC-2B thread, sizes H and L have 8-32 UNC-2B thread. Size M has 10-32 UNF-2B thread.



P Female Jackposts

Non-removable female jackpost. Shell sizes A–G, J, K have 4-40 UNC-2B thread, sizes H and L have 6-32 UNC-2B thread. Size M has 8-32 UNC-2B thread. 300 series stainless steel, passivated.



R1 – R6 Rear Panel Jackposts

For rear panel mounting of connector onto .032 - .125 inch (0.81 - 3.18) thick panels. Install with threadlocking compound. Shell sizes A–G, J, K have 4-40 UNC-2B thread, sizes H and L have 6-32 UNC-2B thread. Size M has 8-32 UNC-2B thread. 300 series stainless steel, passivated. Supplied loosely assembled.

