

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				<table border="1"> <tr><td>M</td><td>Electroless Nickel</td></tr> <tr><td>MT</td><td>Nickel / PTFE</td></tr> <tr><td>N</td><td>Olive Drab Cadmium</td></tr> <tr><td>TZ</td><td>Tin-Zinc</td></tr> <tr><td>ZR</td><td>Black Zinc-Nickel</td></tr> </table>				M	Electroless Nickel	MT	Nickel / PTFE	N	Olive Drab Cadmium	TZ	Tin-Zinc	ZR	Black Zinc-Nickel									
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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	
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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

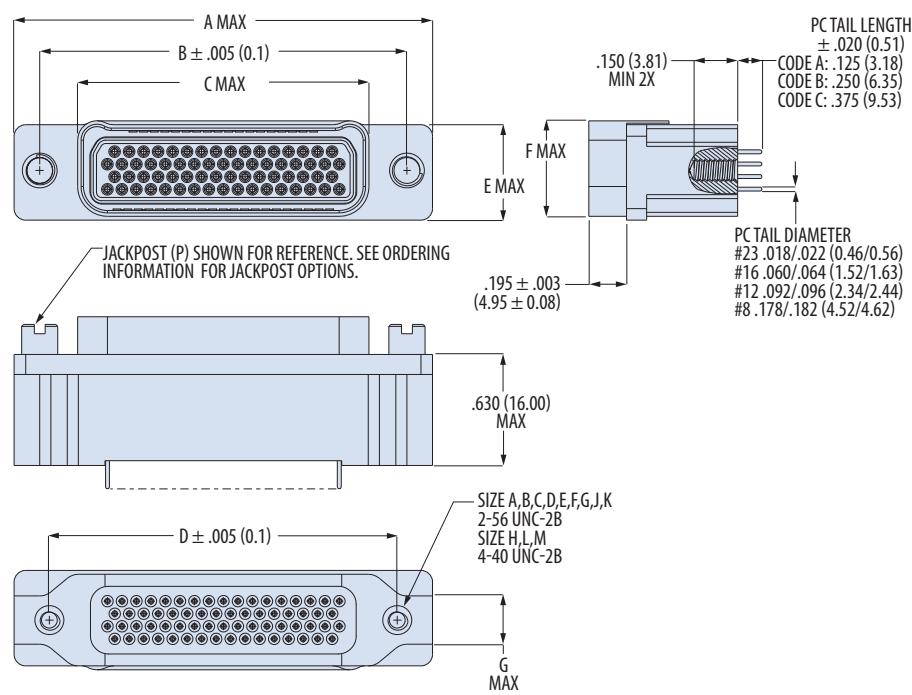
Series 791 Scoop-Proof

SERIES
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791-013

PCB Receptacle, Straight Tails

SERIES 791 SCOOP-PROOF



- ◆ Straight PCB termination
- ◆ Pin contacts

Application Note

PCB Footprints

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

Straight tails: pages **G-1 – G-9**

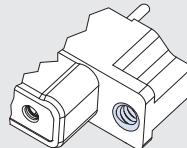
90° tails: pages **G-10 – G-20**

Application Note

Panel Cutout

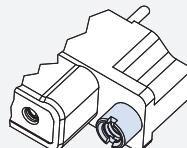
See page **B-52** for recommended panel cutout dimensions for connectors.

HARDWARE DETAILS



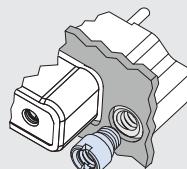
N No Jackpost

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.

