

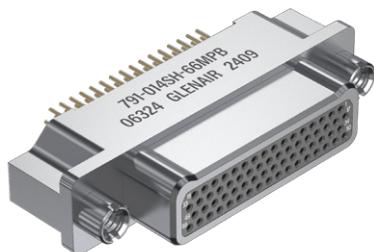
MICRO-CRIMP RECTANGULAR CONNECTORS

Series 791 Scoop-Proof



791-014

PCB Plug, Straight Tails



- ◆ Straight PCB termination
- ◆ Socket contacts

791-014 plug has straight PC tail socket contacts for thru-hole printed circuit board termination. PC tails are sealed with epoxy. Machined aluminum shell has integral standoff and threaded holes for attachment to PC board. 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 PCB 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	791-014S G-13P2 MT P B B
Basic Part Number	791-014S PCB Plug, Straight Tails, Socket Contacts
Shell Size-Insert Arr.	See "Insert Arrangements" Table
Shell Finish	M Electroless Nickel MT Nickel / PTFE N Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Jackpost Option <i>Table 1</i>	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
PC Tail Length	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



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 ■ Encapsulant: Epoxy ■ Hardware: Stainless steel

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 791 Scoop-Proof

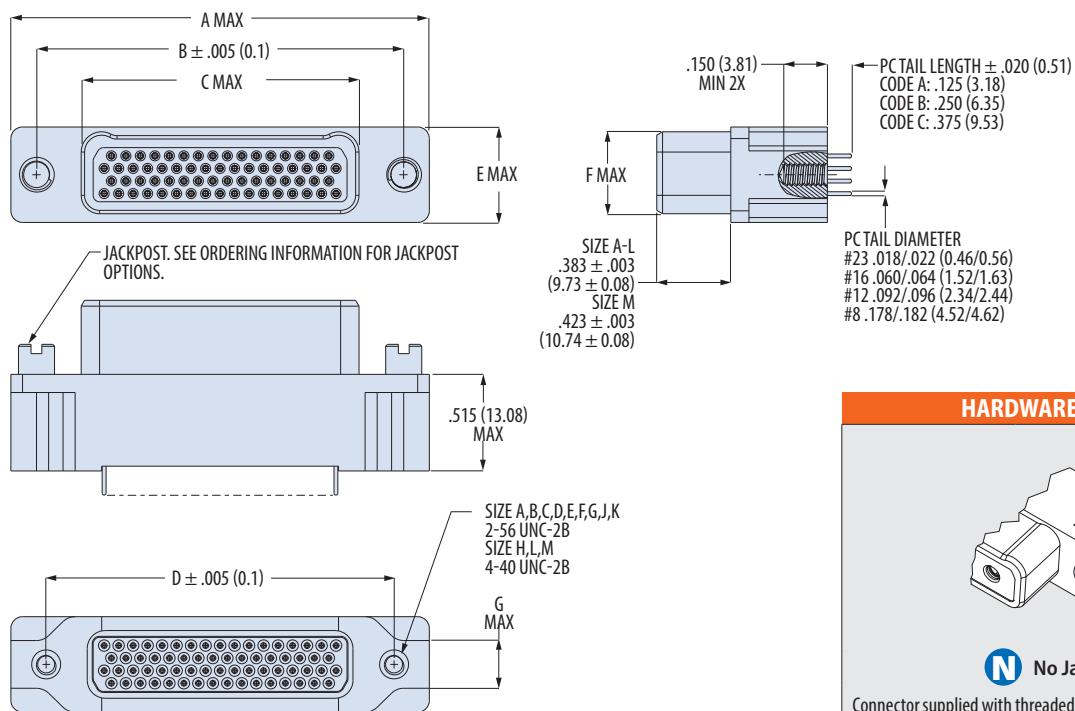
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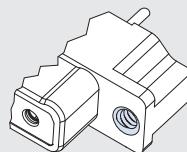
PCB Plug, Straight Tails

- ◆ Straight PCB termination
- ◆ Socket contacts

SERIES 791 SCOOP-PROOF

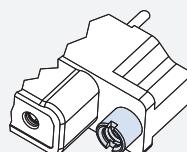


HARDWARE DETAILS



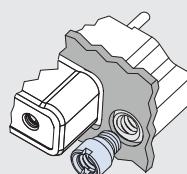
N No Jackpost

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.

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.

Application Note

Polarization Key Positions

See Mod Code 555 pg. B-8 for details

