

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed



792-019

PCB Receptacle, Straight Tails, Quadrax

- ◆ Quadraxial PC tail contacts
- ◆ Straight PCB tails
- ◆ Pin contacts



792-019 plug has high-speed quadraxial PC tail socket contacts for thru-hole printed circuit board termination. Contacts are potted with epoxy. Machined aluminum shell has integral standoff and threaded holes for attachment to PC board. Combo arrangements have #23 contacts.

- Aerospace-grade rectangular PCB connector with high speed size 8 quadraxial contacts
- 1–9 data ports
- Rugged duo-lobe aluminum shell
- Environmental

INSERT ARRANGEMENTS

Thermoplastic Insert	Grounded All-Aluminum	No. of Contacts	
		Quadrax	#23
A-1P1	A-1G1	1	–
A-3P1		1	2
B-23P1		1	22
B-2P2	B-2G2	2	–
B-6P2		2	4
C-24P2		2	22
C-3P3	C-3G3	3	–
C-9P3		3	6
D-27P3		3	24
D-4P4	D-4G4	4	–
D-12P4		4	8
E-5P5	E-5G5	5	–
E-15P5		5	10
E-45P3		3	42
F-9P9	F-9G9	9	–
F-31P9		9	22

RATINGS

- Voltage (DWV): #23 750 VAC, ungrounded quadrax to shell 1800 VAC
- Current: #23 5A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random

CONSTRUCTION

- #23 Contacts: Copper alloy, gold over nickel finish, stainless steel hood
- Quadrax contact: Copper alloy, gold over nickel finish. Insulators are high performance thermoplastic.
- Shell: Aluminum
- Insulator: High performance thermoplastic
- Interfacial seal: Fluorosilicone/silicone blend
- Encapsulant: Epoxy
- Hardware: Stainless steel, passivated

HOW TO ORDER

Sample Part Number		792-019P	C-24P2	M	E	P	B
Basic Part Number	792-019P	PCB Receptacle, Straight Tails, Quadrax Pin 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					
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						
Polarization Key Option	Enter Letter Designator for Position A, B, C, D, E, F, G, H, J, or K per Mod Code 1104 (see page C-8 for details) Omit for none						

TABLE 1 JACKPOST OPTION

N No Hardware #10-32 UNF-2B .150 (3.8) Min. Depth	P Female Jackpost #8-32 UNC-2B	R1 – R6 Rear Panel Jackpost #8-32 UNC-2B
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Application Note

Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



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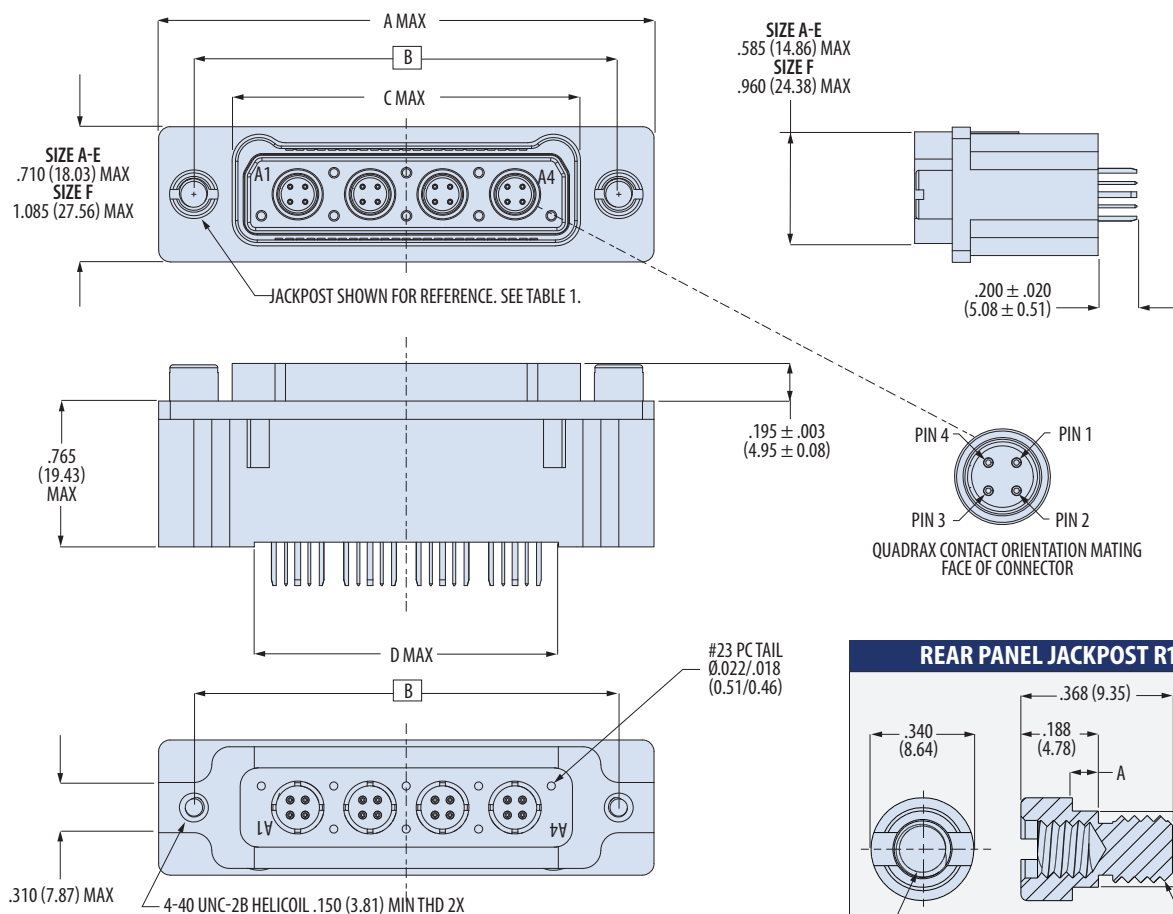
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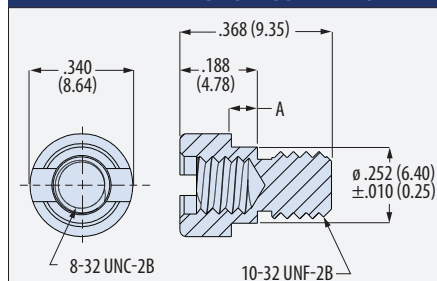
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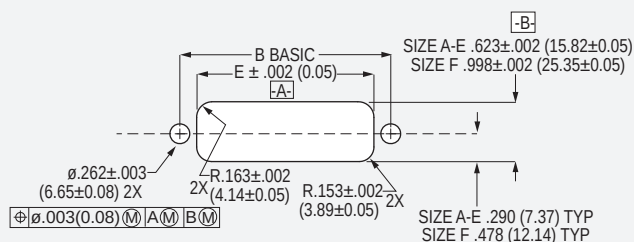
REAR PANEL JACKPOST R1-R6



Shell Size	A Max		B ± .005 (0.1)		C Max		D Max		E ±.002 (0.05)	
	in	mm	in	mm	in	mm	in	mm	in	mm
A	1.455	36.96	1.075	27.31	.690	17.53	.460	11.68	.725	18.42
B	1.830	46.48	1.450	36.83	1.065	27.05	.835	21.21	1.100	27.94
C	2.205	56.01	1.825	46.36	1.440	36.58	1.210	30.73	1.475	37.47
D	2.580	65.53	2.200	55.88	1.815	46.10	1.585	40.26	1.850	46.99
E	2.955	75.06	2.575	65.41	2.190	55.63	1.960	49.78	2.225	56.52
F	2.955	75.06	2.575	65.41	2.190	55.63	1.960	49.78	2.225	56.52

Code	A ± .010 (0.25)	
	in	mm
R1	.032	0.81
R2	.050	1.27
R3	.062	1.59
R4	.080	2.03
R5	.093	2.36
R6	.125	3.18

PANEL CUTOUT FOR REAR PANEL MOUNTING



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PCB FOOTPRINTS FOR 792-019 CONNECTOR

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