

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed

SERIES
792
High-Speed

792-018

PCB Plug, Straight Tails, Quadrax

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



792-018 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

HOW TO ORDER

Sample Part Number		792-018S	D-4P4	M	R3	B
Basic Part Number	792-018S		PCB Plug, Straight Tails, Quadrax Socket 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					
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					
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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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
- Encapsulant: Epoxy
- Hardware: Stainless steel, passivated

Application Note

Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



MICRO-CRIMP RECTANGULAR CONNECTORS

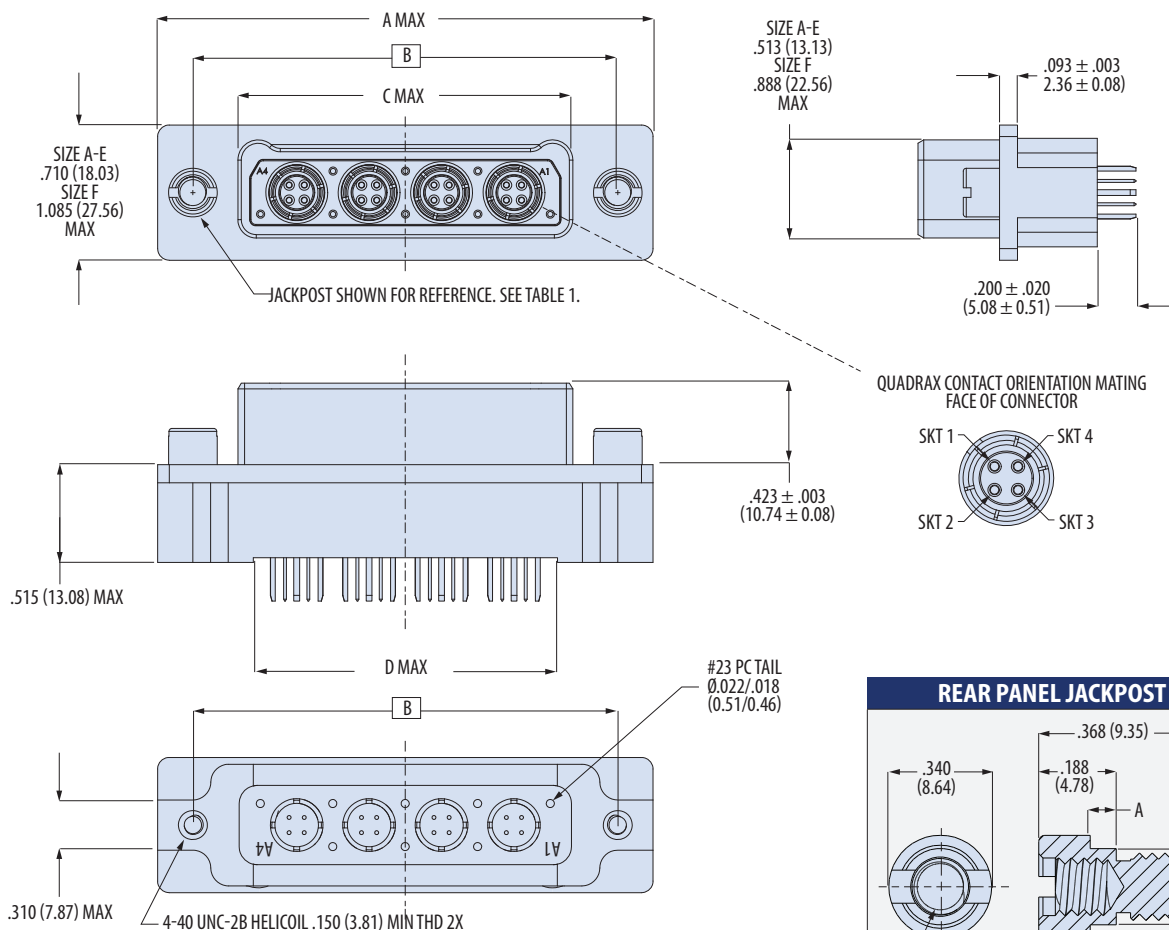
Series 792 High-Speed



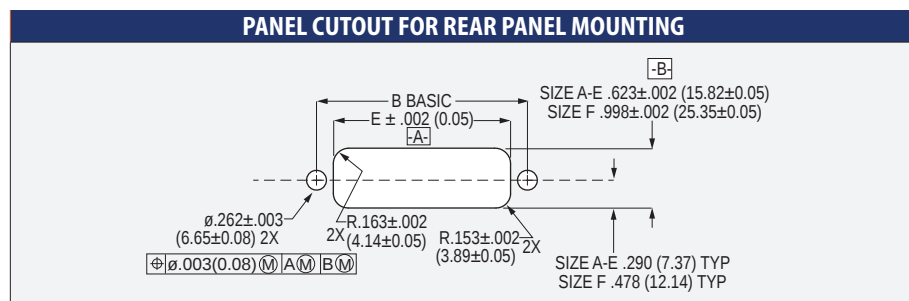
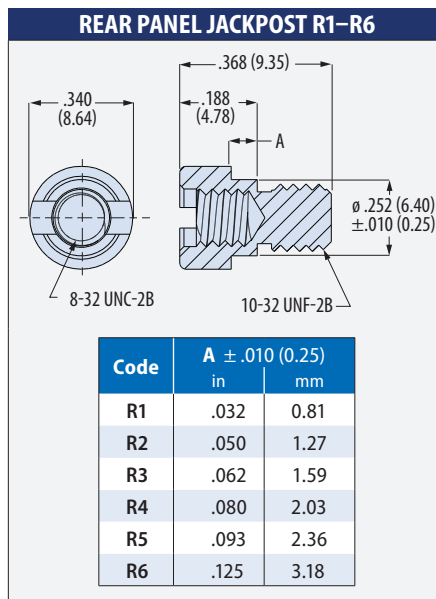
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Shell Size	A Max		B ± .005 (0.1)		C Max		D Max		E ± .002 (0.05)	
	in	mm	in	mm	in	mm	in	mm	in	mm
A	1.455	36.96	1.075	27.31	.615	15.62	.460	11.68	.725	18.42
B	1.830	46.48	1.450	36.83	.990	25.15	.835	21.21	1.100	27.94
C	2.205	56.01	1.825	46.36	1.365	34.67	1.210	30.73	1.475	37.47
D	2.580	65.53	2.200	55.88	1.740	44.20	1.585	40.26	1.850	46.99
E	2.955	75.06	2.575	65.41	2.115	53.72	1.960	49.78	2.225	56.52
F	2.955	75.06	2.575	65.41	2.115	53.72	1.960	49.78	2.225	56.52



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PCB FOOTPRINTS FOR 792-018 CONNECTOR

Detail B

