

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed

SERIES
792
High-Speed

792-020

Panel Plug, Straight PC Tails, Quadrax

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



792-020 rear panel plug has high-speed quadraxial PC tail socket contacts 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. 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
- Encapsulant: Epoxy
- Hardware: Stainless steel, passivated

HOW TO ORDER

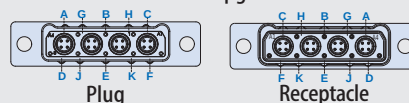
Sample Part Number		792-020S	C-3P3	M	G	F	B
Basic Part Number	792-020S	Panel Plug, Straight PC Tails, Quadrax Socket Contacts					
Shell Size-Insert Arr.	See <i>“Insert Arrangements”</i> Table						
Shell Finish	M Electroless Nickel						
	MT Nickel / PTFE						
	NF Olive Drab Cadmium						
	TZ Tin-Zinc						
	ZR Black Zinc-Nickel						
Hardware Option <i>Table 1</i>	N No Hardware <i>Threaded holes</i>						
	G Guide Pins <i>For blind mating</i>						
	P Female Jackposts						
Panel O-Ring	N No O-ring						
	C Conductive Fluorosilicone O-ring						
	F Fluorosilicone O-ring						
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 HARDWARE OPTION

 N No Hardware Threaded Hole 10-32 UNF-2B .150 (3.81) min. depth	 P Female Jackpost 8-32 UNC-2B	 G Guide Pin
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Application Note Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



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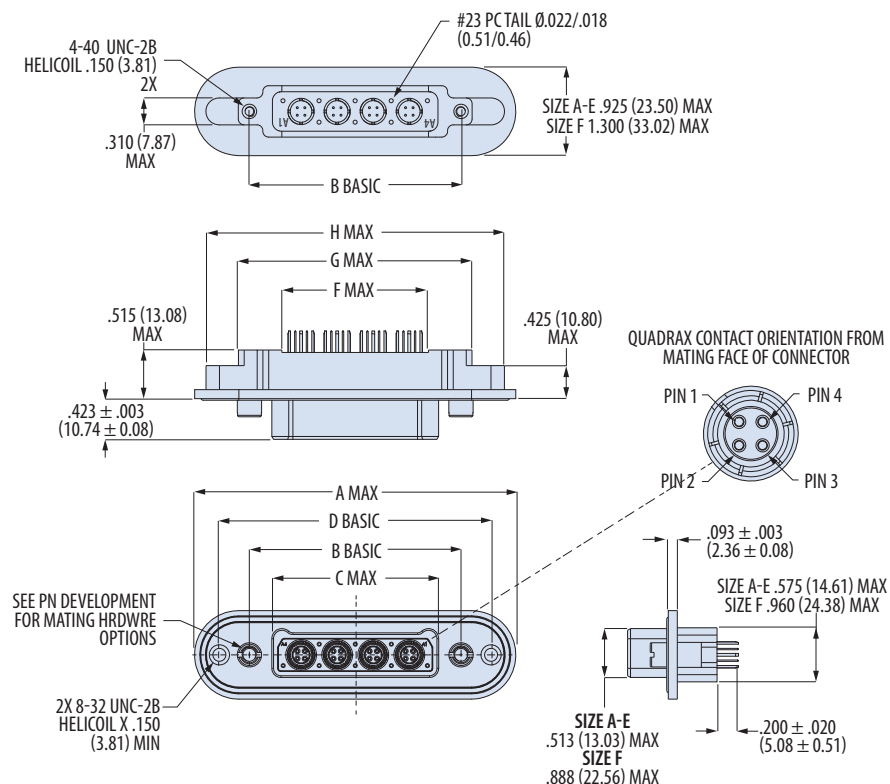
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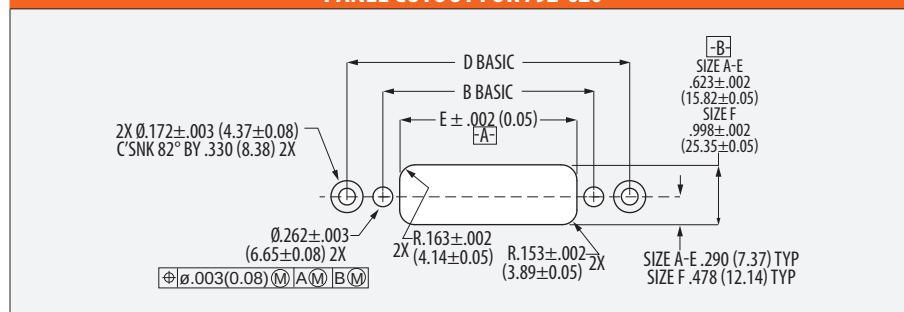
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Shell Size	A Max		B $\pm$.005 (0.1)		C Max		D Max		E $\pm$.002 (0.05)		F Max		G Max		H Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	2.220	56.39	1.075	27.31	.615	15.62	1.699	43.15	.725	18.42	.460	11.68	1.310	33.27	1.984	50.39
B	2.595	65.91	1.450	36.83	.990	25.15	2.074	52.68	1.100	27.94	.835	21.21	1.685	42.80	2.359	55.92
C	2.970	75.44	1.825	46.36	1.365	34.67	2.449	62.20	1.475	37.47	1.210	30.73	2.060	52.32	2.734	69.44
D	3.345	84.96	2.200	55.88	1.740	44.20	2.824	71.73	1.850	46.99	1.585	40.26	2.435	61.85	3.109	78.97
E	3.720	94.49	2.575	65.41	2.115	53.72	3.199	81.25	2.225	56.52	1.960	49.78	2.810	71.37	3.484	88.49
F	3.720	94.49	2.575	65.41	2.115	53.72	3.199	81.25	2.225	56.52	1.960	49.78	2.810	71.37	3.484	88.49

PANEL CUTOUT FOR 792-020



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PCB FOOTPRINTS FOR 792-020 CONNECTOR

Detail B

