

MICRO-CRIMP RECTANGULAR CONNECTORS

Series 792 High-Speed

SERIES
792
High-Speed

792-025

Panel Receptacle, 90° PC Tails, Quadrax

- ◆ Quadraxial PC tail contacts
- ◆ 90° mounting
- ◆ Pin contacts



792-025 plug has high-speed quadraxial PC tail socket contacts for 90° 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
- 1–5 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

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
- O-ring: Code F- fluorosilicone, Code C- conductive fluorosilicone
- Hardware: Stainless steel, passivated

RATINGS

- Voltage (DWV): #23 100 VAC, ungrounded quadrax to shell 1800 VAC
- Current: #23 1A
- Operating temperature: -65 to +150 °C
- Durability: 500 mating cycles
- Shock: 300 g
- Vibration: 20 g random

HOW TO ORDER

Sample Part Number

Basic Part Number	792-025P	D-4P4	M	E	P	F	B
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						
EMI Spring	E EMI Spring N No EMI Spring						
Hardware Option Table 1	N No Hardware <i>Threaded holes</i> P Female Jackposts B Guide Bushing <i>For blind mating</i>						
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						

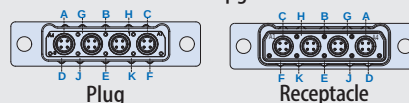
TABLE 1 HARDWARE OPTION

 N No Hardware Blind tapped holes 10-32 UNF-2B .150 (3.81) Min.	 P Female Jackpost Non-removable 8-32 UNC-2B thread	 B Guide Bushing Non-removable
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Application Note

Polarization Key Positions

See Mod Code 1104 pg. C-8 for details



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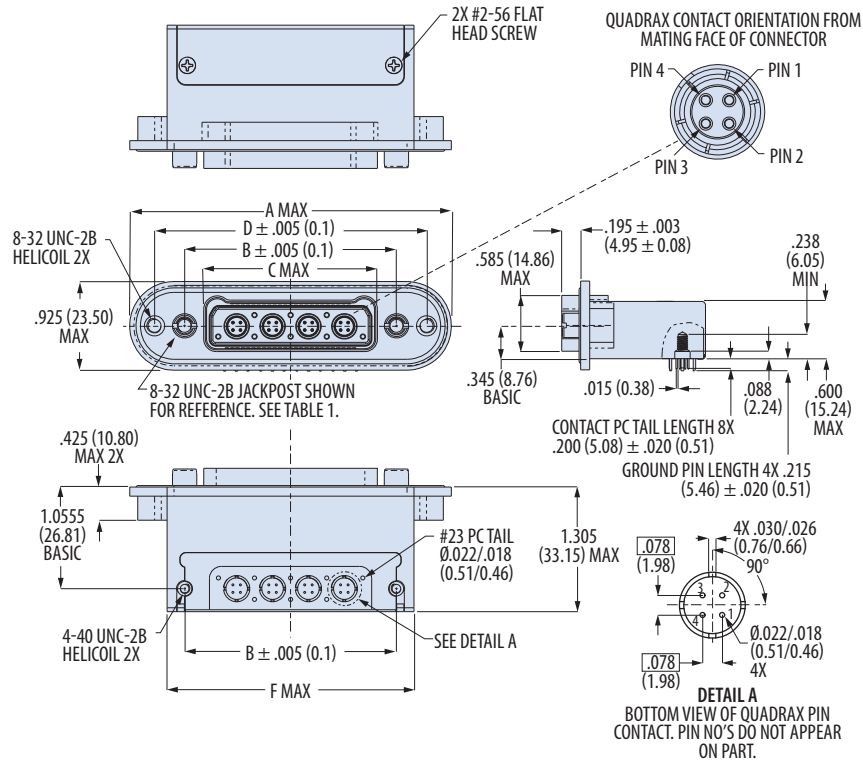
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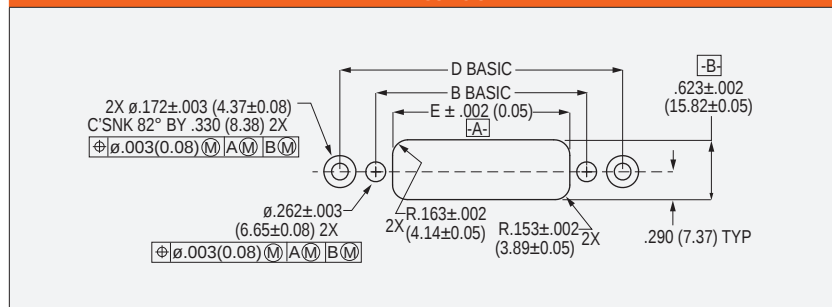
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Shell Size	A Max		B $\pm .005$ (0.1)		C Max		D $\pm .005$ (0.1)		E $\pm .002$ (0.05)		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	2.220	56.39	1.075	27.31	.690	17.53	1.699	43.15	.725	18.42	1.455	36.96
B	2.595	65.91	1.450	36.83	1.065	27.05	2.074	52.68	1.100	27.94	1.830	46.82
C	2.970	75.44	1.825	46.36	1.440	36.58	2.449	62.20	1.475	37.47	2.205	56.01
D	3.345	84.96	2.200	55.88	1.815	46.10	2.824	71.73	1.850	46.99	2.580	65.53
E	3.720	94.49	2.575	65.41	2.190	55.63	3.199	81.25	2.225	56.52	2.955	75.06

PANEL CUTOUT



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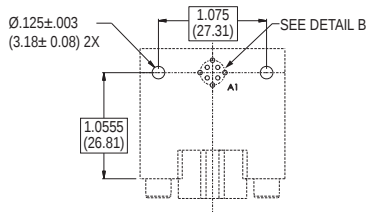
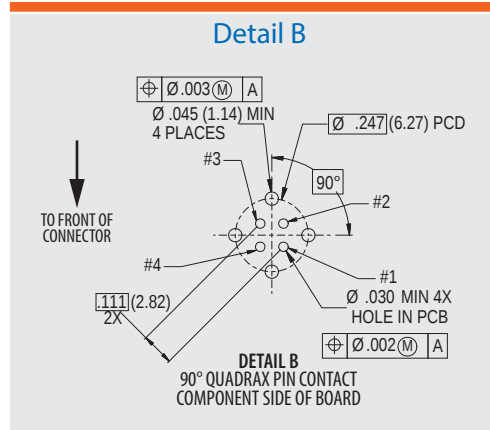
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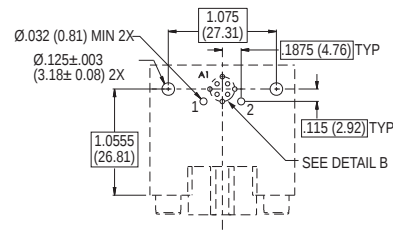
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PCB FOOTPRINTS FOR 792-025 CONNECTOR

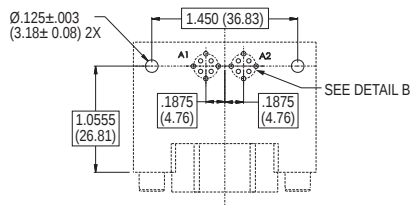
! PCB hole patterns are shown for the **component mounting side** of the circuit board, looking through the connector.



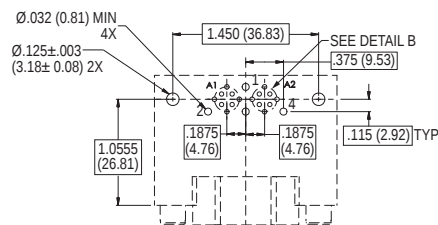
A-1P1 A-1G1



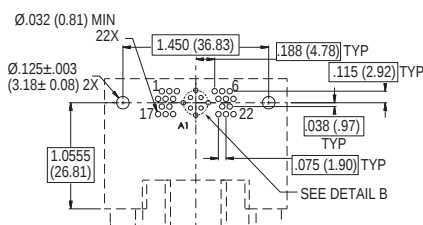
A-3P1



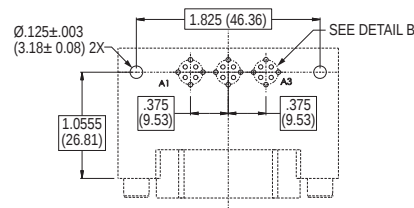
B-2P2 B-2G2



B-6P2



B-23P1



C-3P3 C-3G3

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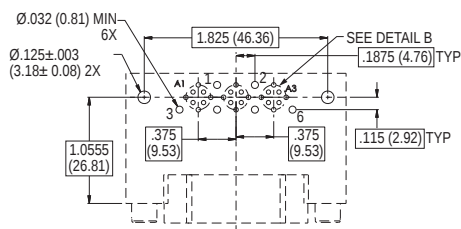


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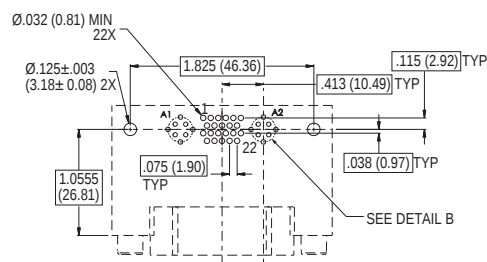
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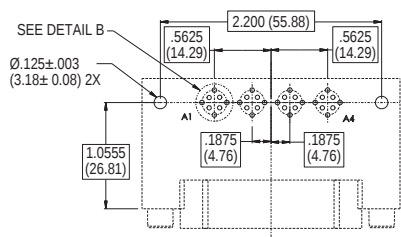
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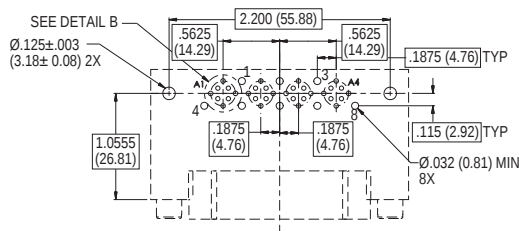
C-9P3



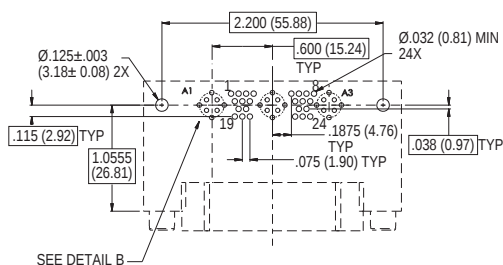
C-24P2



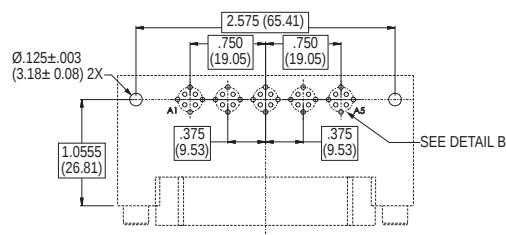
D-4P4 D-4G4



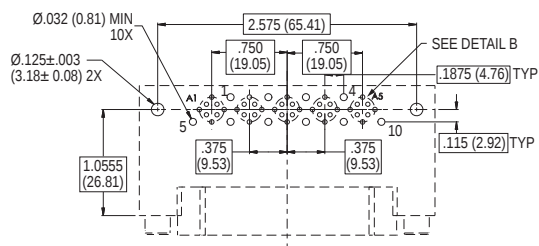
D-12P4



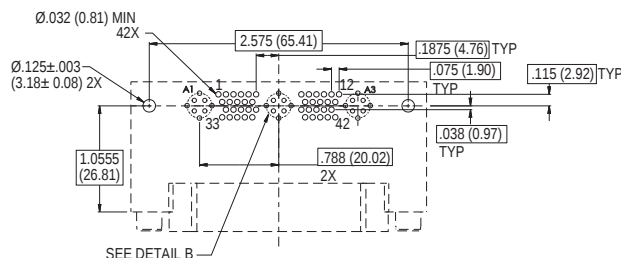
D-27P3



E-5P5 E-5G5



E-15P5



E-45P3