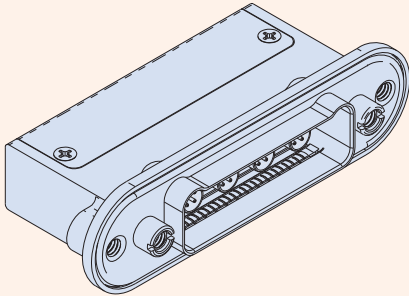


SERIES 792

High-Speed Ultraminiature Rectangular Connectors



792-025P Quadrax Right Angle PCB Receptacles, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts



Technical Data

Specifications

- Operating temperature: -65 to +175 °C
- Current rating, size 23 contact: 5A
- Current rating, Quadrax contacts: 1.5A
- Voltage rating (DWV): 750 Vac
- Shock: EIA-364-27 condition D
- Vibration: EIA-364-28 condition V, letter E
- Insulation Resistance: 5000 MΩ min.
- Shell-to-shell resistance with EMI spring: 2.5 mΩ max.
- Altitude immersion: 75,000 feet

Construction

- Shell: aluminum alloy
- Metal insert: aluminum, nickel plated
- Insulators: high-grade rigid dielectric
- Contacts: copper alloy, 50 microinches gold over nickel plating
- Interfacial seal: fluorosilicone blend
- Potting compound: epoxy
- EMI spring: copper alloy, nickel plated
- O-ring: code F fluorosilicone, code C silver plated aluminum-filled fluorosilicone, code S gold plated copper alloy
- Hardware: 300 series SST, passivated

Right Angle PCB Quadrax. Ultraminiature. EMI protection. Series 792 Quadrax connectors are intended for 100BASE-T and ARINC 664 protocols. 792-025P quadrax connectors feature 90° PCB tails, machined aluminum shells and environmental protection. Scoop-proof interface for problem-free service. Military-grade performance and construction.

How To Order

	Sample P/N → 792-025P	B-6P2	M	E	B	F
Product	792-025P = Right Angle PCB Receptacle, Quadrax Pin Contacts, Panel Mount					
Insert Arrangement	See Table 2					
Shell Finish	M = Electroless Nickel MT = Nickel-PTFE					
EMI Spring	E = EMI Spring N = No EMI Spring					
Hardware Option (Table 1)	N = No Hardware P = Jackposts B = Guide Bushings					
O-Ring Option	N = No O-Ring F = Fluorosilicone O-Ring C = Conductive Fluorosilicone O-Ring S = Metal EMI Spring (gold plated BeCu, non-environmental)					

Table 1 Mating Hardware

 N No Hardware Blind tapped holes 8-32 UNC-2B .150 (3.81) Min.	 P Jackposts Non-removable 8-32 UNC-2B thread	 B Guide Bushings Non-removable
--	---	--

Table 2 Insert Arrangements

Insert arrangement	Number of Contacts		Insert arrangement	Number of Contacts	
	#23	#8		#23	#8
A-1P1, A-1G1*		1	C-9P3	6	3
A-3P1	2	1	D-27P3	24	3
B-23P1	22	1	D-4P4, D-4G4*		4
B-2P2, B-2G2*		2	D-12P4	8	4
B-6P2	4	2	E-45P3	42	3
C-24P2	22	2	E-5P5, E-5G5*		5
C-3P3, C-3G3*		3	E-15P5	10	5

Cavity identification numbers shown are for mating face of plug connectors with socket contacts.

* Insert arrangements with "G" designator are grounded type with metal insert. Insert arrangements with "P" designator have thermoplastic dielectric.

SERIES 792

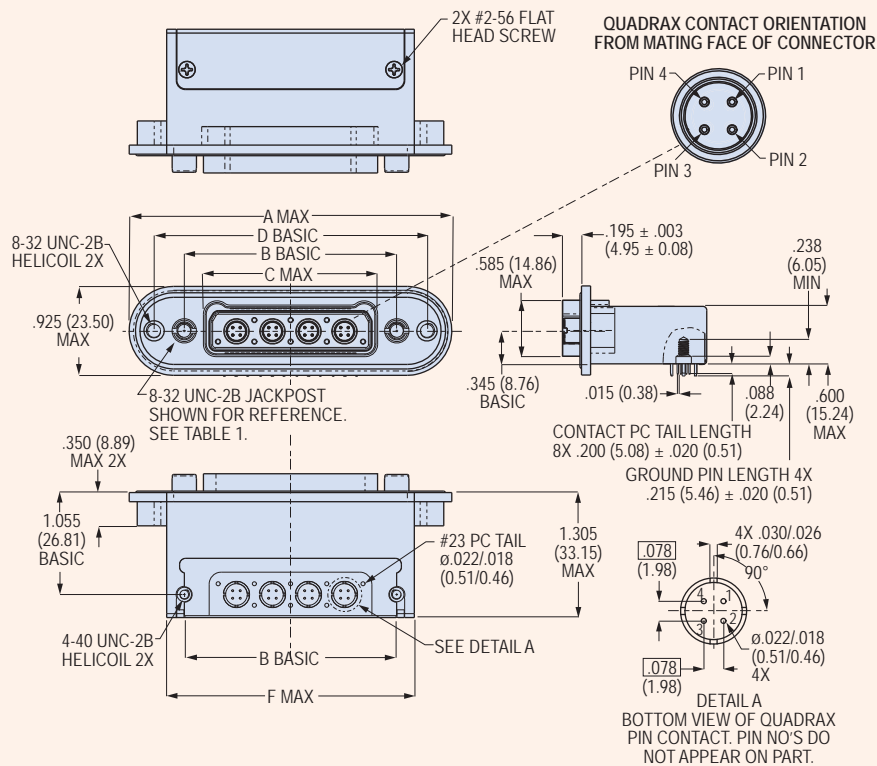
High-Speed Ultraminiature Rectangular Connectors



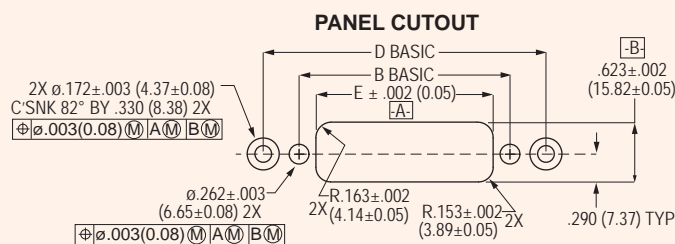
792-025P Quadrax Right Angle PCB Receptacles, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts

792-025P Dimensions

Shell Size	A Max		B Basic		C Max		D Basic		E ±.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



792-025P Panel Cutout



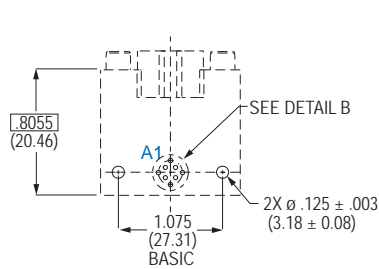
SERIES 792

High-Speed Ultraminiature Rectangular Connectors

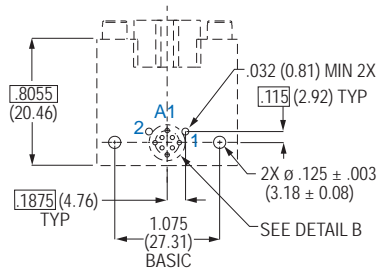


792-025P Quadrax Right Angle PCB Receptacles, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts

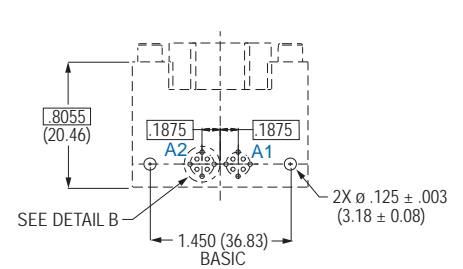
792-025P Printed Circuit Board Layouts



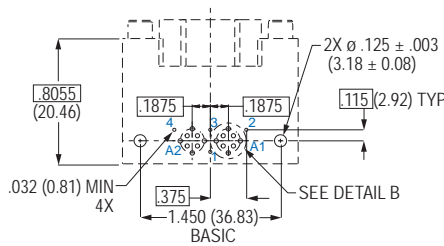
A-1P1, A-1G1



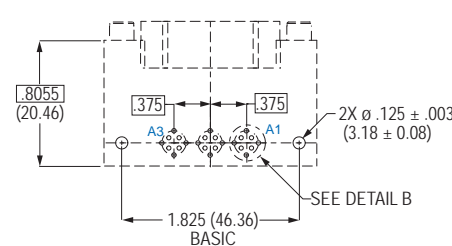
A-3P1



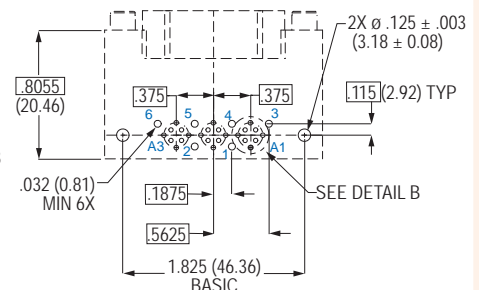
B-2P2, B-2G2



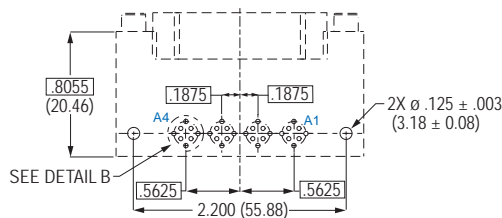
B-6P2



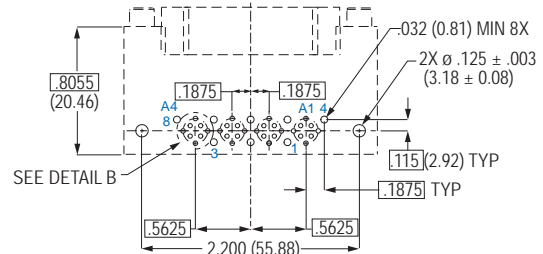
C-3P3, C-3G3



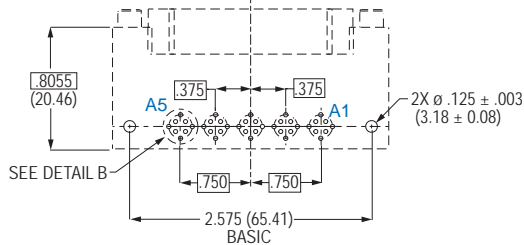
C-9P3



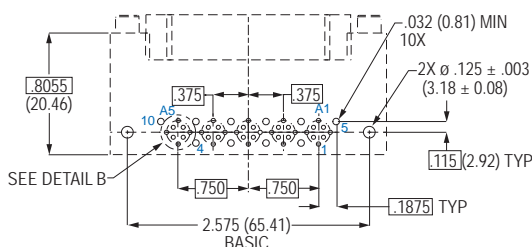
D-4P4, D-4G4



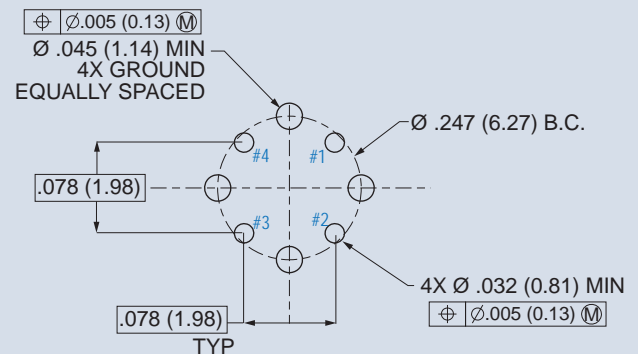
D-12P4



E-5P5, E-5G5



E-15P5



DETAIL B
QUADRAX PIN CONTACT
COMPONENT SIDE OF BOARD