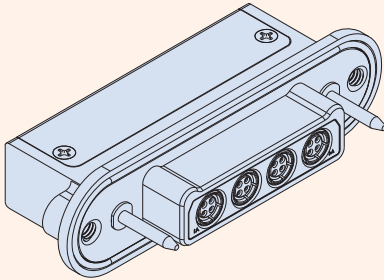


SERIES 792

High-Speed Ultraminiature Rectangular Connectors



792-024S Quadrax Right Angle PCB Plugs, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts



Right angle PCB Quadrax contacts. Panel mount. Series 792 PCB mount Quadrax connectors are intended for high reliability aerospace applications using 100BASE-T or ARINC 664 protocols. 792-024S connectors feature quadrax contacts with right angle printed circuit board tails, machined aluminum shells and environmental protection. Contacts are epoxy-sealed and are non-removeable. Scoop-proof interface for problem-free service.

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
■	Potting compound: epoxy
■	O-ring: code F fluorosilicone, code C silver plated aluminum-filled fluorosilicone, code S gold plated copper alloy
■	Hardware: 300 series SST, passivated

How To Order					
	Sample P/N → 792-024S	C-3P3	M	G	F
Product	792-024S = Panel Plug, 90° PC Tail Quadrax Socket Contacts				
Insert Arrangement	See Table 2				
Shell Finish	M = Electroless Nickel MT = Nickel-PTFE				
Mating Hardware (Table 1)	N = No hardware P = Jackpost G = Male guide pin				
O-ring	N = No O-ring F = Fluorosilicone O-ring (non-conductive) C = Conductive fluorosilicone O-ring S = Metal EMI panel spring (non-environmental)				

Table 1 Mating Hardware		
 N No Hardware Blind tapped holes 8-32 UNC-2B .150 (3.81) Min.	 P Jackposts Non-removeable 8-32 UNC-2B thread	 G Guide Pins Non-removeable

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

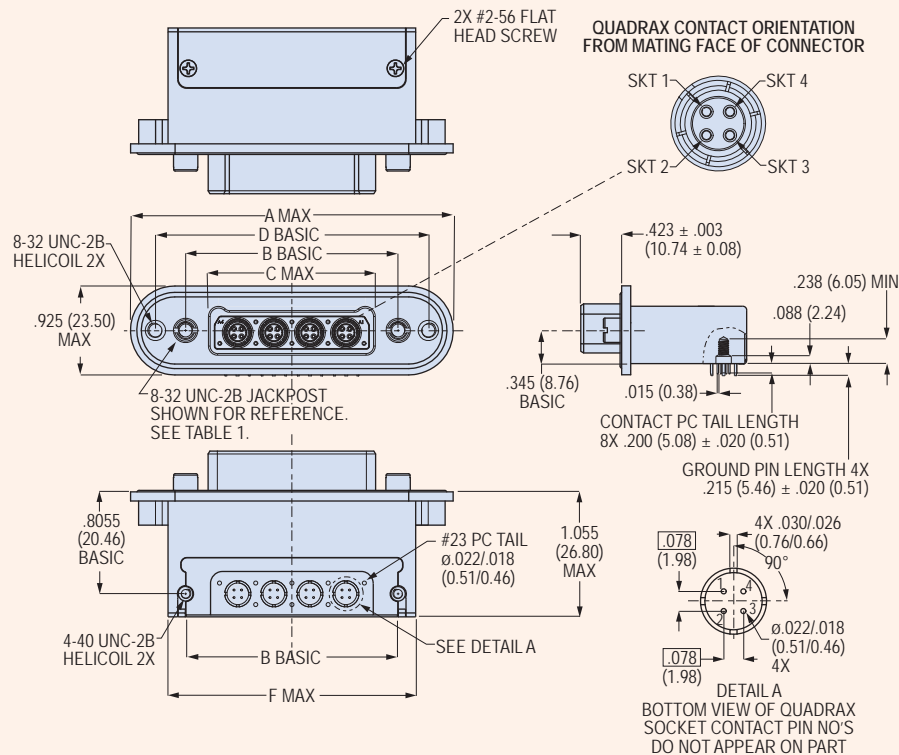
High-Speed Ultraminiature Rectangular Connectors



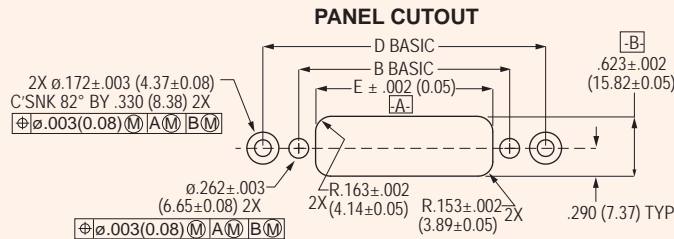
792-024S Quadrax Right Angle PCB Plugs, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts

792-024S 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	.615	15.62	1.699	43.15	.725	18.42	1.455	36.96
B	2.595	65.91	1.450	36.83	.990	25.15	2.074	52.68	1.100	27.94	1.830	46.82
C	2.970	75.44	1.825	46.36	1.365	34.67	2.449	62.20	1.475	37.47	2.205	56.01
D	3.345	84.96	2.200	55.88	1.740	44.20	2.824	71.73	1.850	46.99	2.580	65.53
E	3.720	94.49	2.575	65.41	2.115	53.72	3.199	81.25	2.225	56.52	2.955	75.06



792-024S Panel Cutout



792-024S Quadrax Right Angle PCB Plugs, Panel Mount Epoxy-Sealed 90° PC Tail Quadrax Contacts

792-024S Printed Circuit Board Layouts

