

6GHz BNC Coaxial Connectors

Top Entry PCB Mounted BNC Bulkhead Socket

Part Number C-SX-145

General Description

The C-SX-145 is a top entry PCB mounted BNC bulkhead connector, which is part of the precision 75Ω range. The connector is optimised for 6G HD—SDI applications and meets the SMPTE ST-2081 standard allowing up to 6Gbit/s per over a single channel. The connector is supplied with circular nut and washer.



Electrical Specification

Impedance:	75Ω
Frequency Range:	0-6GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor ^(VSWR) :	1.04 ^(max) DC - 3GHz 1.09 ^(max) 3 - 6GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5000M Ω
Connector Type:	Female

Materials

Centre Pin:	Phosphor Bronze / 10 μ"Au
Metal Parts:	Brass / Ni
Insulators:	UL94 HB TPX

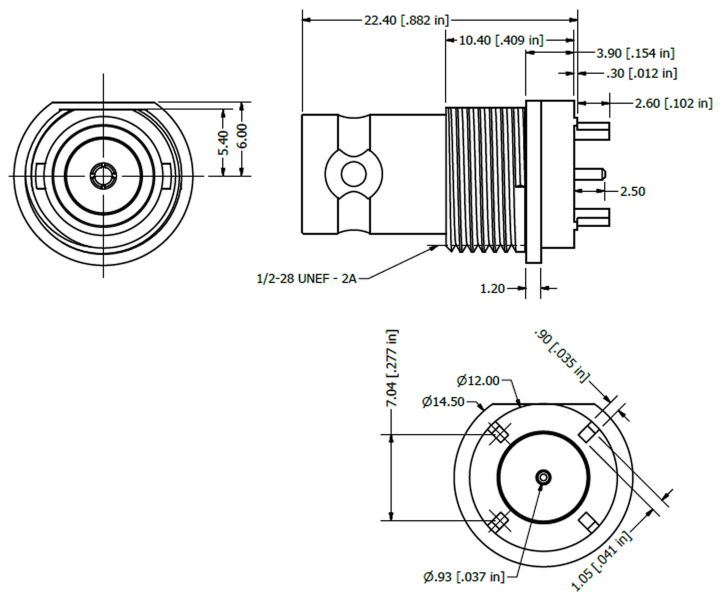
Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	250
Processing	

Maximum wave and hand soldering temperature 265°C

Features

- Optimised for 6G HD-SDI Environments
- Meets SMPTE ST-2081 standard



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