

6GHz DIN 1.0 / 2.3 Coaxial Connectors

Dual Port Right Angle PCB Mounted Connector

Part Number C-SX-117G

General Description

The C-SX-117G is a dual port connector which conforms to the standard of SMPTE ST 2081-1, allowing bit-rates of 5.94Gbit/s over a single coaxial connection. The configuration of this connector enables increased wiring densities and is ideal for use in 6G HD-SDI applications.

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-6GHz
Working Voltage:	250Vrms
Dielectric Withstanding Voltage:	750Vrms
Reflection Factor ^(VSWR) :	1.07 ^(max) DC - 1.5GHz 1.14 ^(max) 1.5 - 3GHz 1.16 ^(max) 3 - 3.2GHz 1.31 ^(max) 3.2 - 6GHz

Contact Resistance:	Centre contact 4.0mΩ Outer contact 2.5mΩ
Insulation Resistance:	>1000M Ω
Connector Type:	Female

Materials

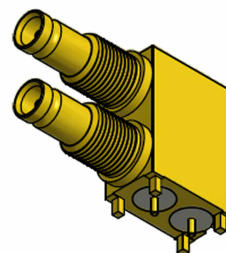
Centre Pin:	BeCu / 10 μ" Au
Metal Parts:	Brass / Au Zinc Alloy / Au
Insulators:	PTFE

Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	500
Vibration:	MIL-STD-202 Method 204 test conditions B
Salt Spray:	MIL-STD-202 Method 101 test conditions B

Processing

Maximum wave and hand soldering temperature 265°C



Features

- Meets SMPTE ST 2081-1 Standard
- Reduces board count
- Enables increased wiring densities

6G SDI
CoaxVision™

