

6GHz 1.0 / 2.3 Coaxial Connectors

Multi-Port Connector System (Straight - Top Entry)

Part Number XGT-SXXX-XXXX

General Description

Meeting the requirements of the J11A ratified CoaXPress® V1.1.1 (CXP) specification, this range meets the needs of the Machine Vision industry, providing a small form factor multi-port connector which can operate in high speed, high definition video applications and provide polarised interconnection capabilities. The system comprises two connector body widths (13 and 9 mm) secured together with precision press fit links providing an array of connector ports with precise pitch separations of 9 and 11 mm. Each port can incorporate a light pipe to display identification or status data. The secure latching mechanism, compatible with standard 1.0/2.3 connectors, provides high connection integrity with a simple push/pull operation.

Features

- Meets SMPTE ST 2081-1 Standard
- Optimised for 6G HD-SDI applications
- 9 and 11mm pitches offer flexible polarisation system
- Light Pipes available for port identification and status data
- Secure latching system compatible with standard 1.0/2.3 connectors

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-6GHz
Working Voltage:	250Vrms
Dielectric Withstanding Voltage:	750Vrms
Reflection Factor ^(VSWR) :	1.15 ^(max) DC - 3GHz 1.28 ^(max) 3 - 6GHz
Contact Resistance:	Centre contact 4.0mΩ Outer contact 2.5mΩ
Insulation Resistance:	>1000M Ω
Connector Type:	Female

Materials

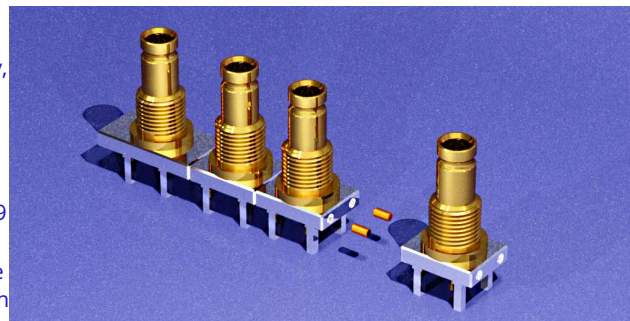
Centre Pin:	BeCu / 10 μ" Au
Metal Parts:	Brass / Ni
Insulators:	PTFE

Environmental

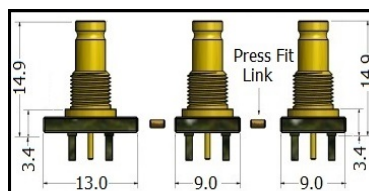
Temp Range:	-65 to +85°C
Mating Cycles:	500

Processing

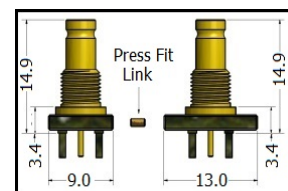
Maximum wave and hand soldering temperature 265°C



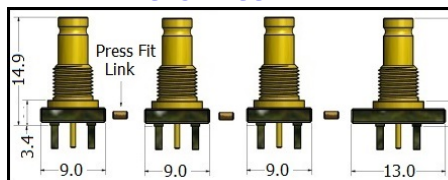
The flexibility of this system permits a wide range of different combinations. Below are a few examples and how the order codes are compiled. Cambridge Connectors provides these pre-configured to meet your requirements.



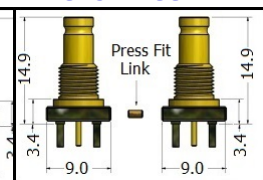
XGT-S1L2-GGNB



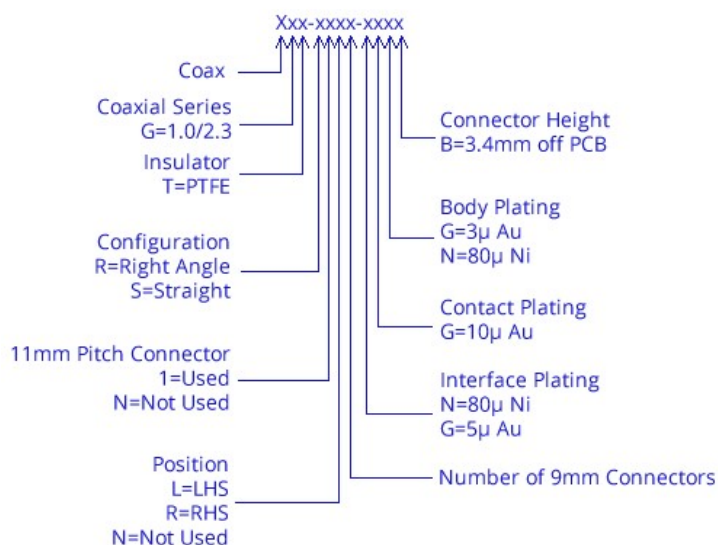
XGT-S1R1-GGNB



XGT-S1R3-GGNB



XGT-SNN2-GGNB



6G SDI

CoaxVision™

Part Number XGT-SXXX-XXXX

