

12GHz MCX PCB Connectors

MCX PCB Edge Mounted 2 way Socket for 12G Applications

Part Number XJT-A011-GGAY

Issue 1.0

General Description

Our range of 12GHz Precision MCX coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while complying with the electrical specifications of CXP-12. These high performance connectors allow you to achieve a 12GHz channel in one single connection.

The MCX connectors are mateable with any standard 75Ω MCX connector, but optimum performance is achieved when PCB mounted styles are interfaced with Cambridge Electronics 12GHz MCX plugs.

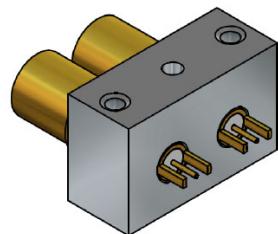
The XJT-A011-GGAY connector is a dual edge mounted socket, designed for use up to 12GHz.

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	335Vrms
Dielectric Withstanding Voltage:	750Vrms
Contact Resistance:	$\leq 5\text{m}\Omega$
Centre Contact	$\leq 10\text{m}\Omega$
Outer Contact	$\geq 1\text{G}\Omega$
Insulation Resistance:	Female
Connector Type:	

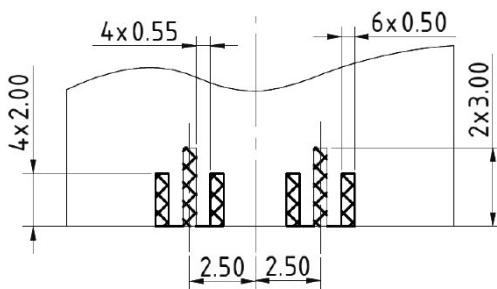
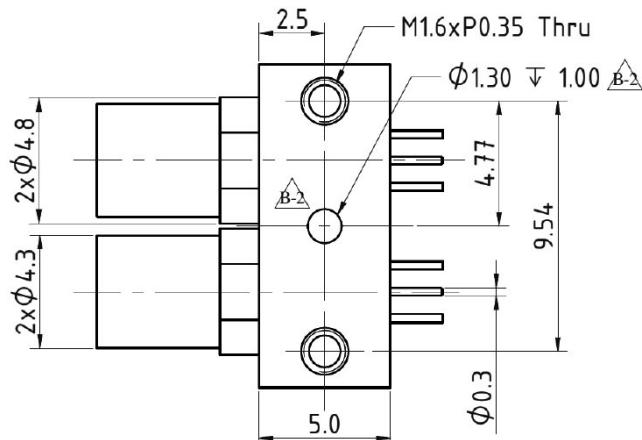
Features

- Precision 12GHz 75Ω MCX range
- Edge Mounted Dual Socket connector
- 12G-SDI Compatible
- Suitable for use in CXP-12 applications

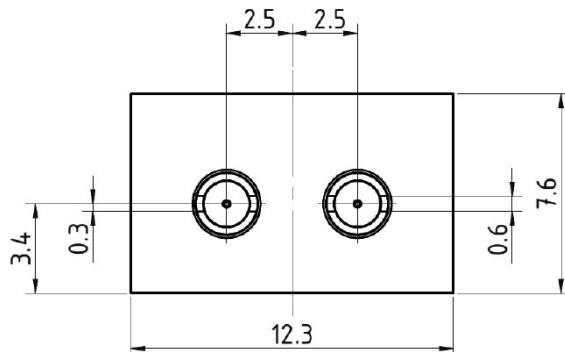
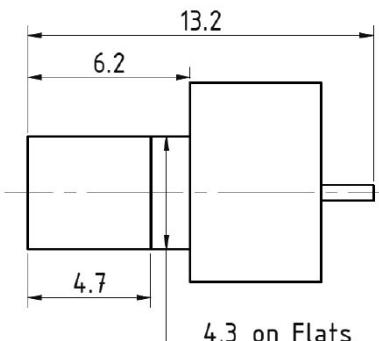


Mechanical

Mating:	Snap on coupling
Connector Durability:	≥ 500 cycles
Engagement Force:	$\leq 3.4\text{lbs}$
Disengagement Force:	$1.4\text{--}3.4\text{lbs}$
Cable Retention Force:	$\geq 12.1\text{lbs}$
Materials	
Centre Pin:	BeCu/ Ni / Au
Metal Parts:	Brass / Ni / Au
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +165°C



Recommended PCB Soldering Pattern



Drawing Issue 1.0



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