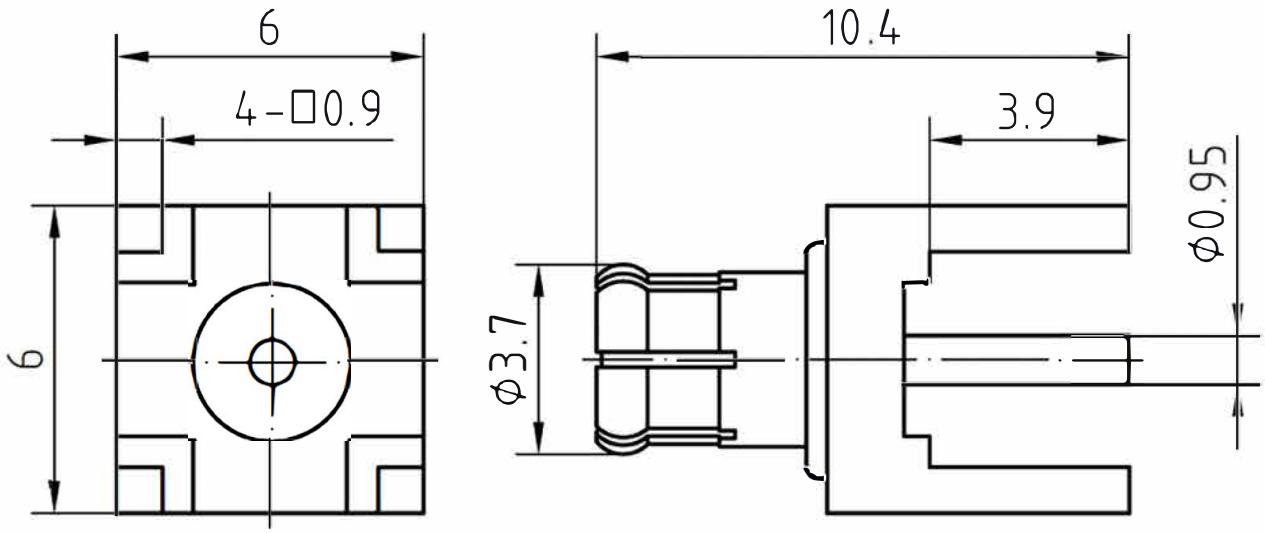
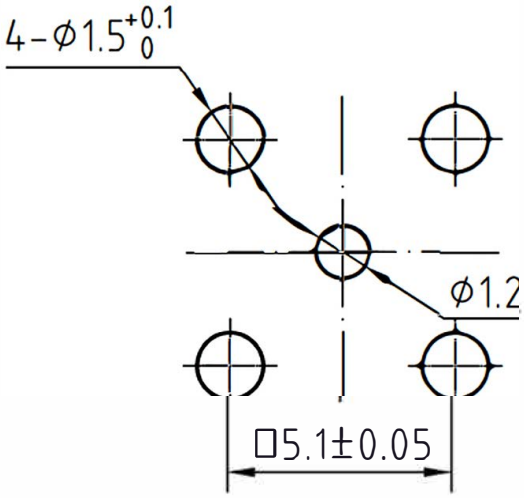


COMMENDED PCB LAYOUT



Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
4	1	Body	Brass/Gold plated	
3	1	Insulator	PTFE	
2	1	Outer contact	Beryllium copper/Gold plated	
1	1	Centre contact	Brass/Gold plated	

Designed by	Checked by	Approved by	File name	Date	Scale
Xio Xang	Jing Lo	Jing Chan	MCX-331100	10.03.25	6 : 1

RF CONNEC
excellent way of connect

MCX-331100

Edition	Sheet
1.0	1/1

CHARACTERISTICS

DESCRIPTION:	MCX Type male str connector for PCB solder legs

Electrical data:

Impedance:	*50 ohm*
Frequency range:	*DC to 6.0 GHz*
VSWR:	*≤1.05 + 0.05 X f[GHz]*
Insertion loss:	*≤0.15 X $\sqrt{\ }$ f[GHz] dB*
Insulation resistance:	*≥1000MΩ*
Test voltage:	*750 V rms*
Working voltage:	*335 V rms*
Contact resistance:	
1). Centre contact:	*5.0 mΩ*
2). Outer conductor:	*2.5 mΩ*
Contact Current:	*<1.5A DC*

Environmental data:

Temperature rating:	*-55 ° C to +165 ° C*
2002/95/EC (RoHS):	*Compliant*

Mechanical data:

Mating cycles:	*≥500*
Center contact captivation:	*≥10 N(axial)*
Engagement force:	*≤25 N*
Disengagement force:	*8 N min. to 20 N max.*

Suitable cables:

N/A