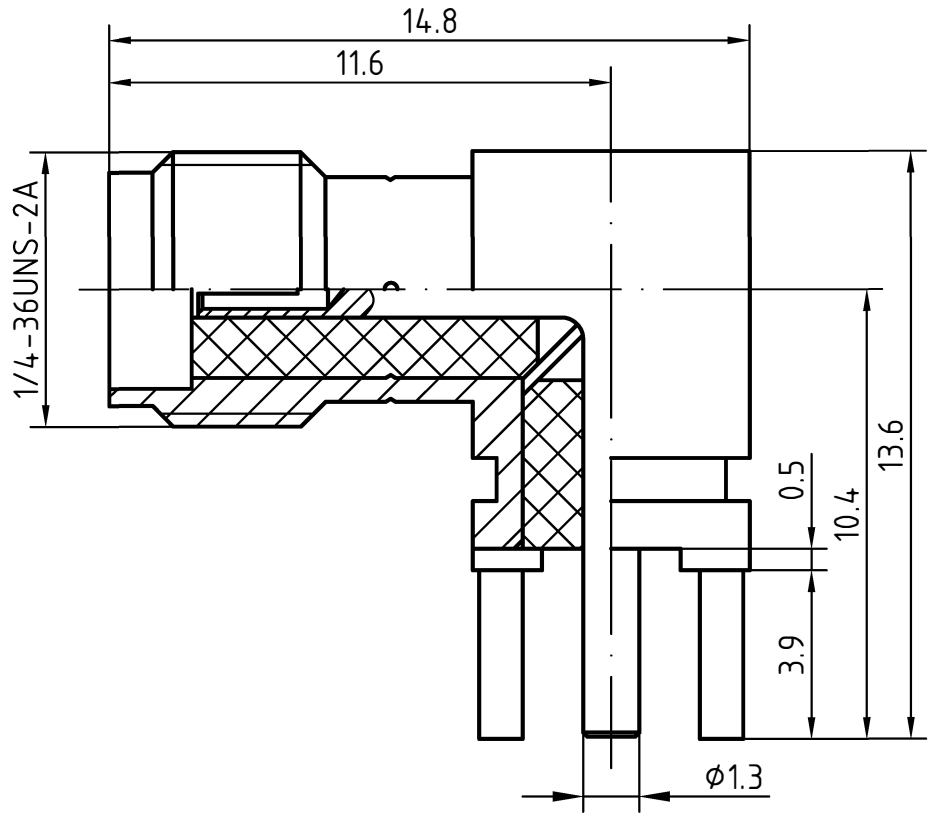
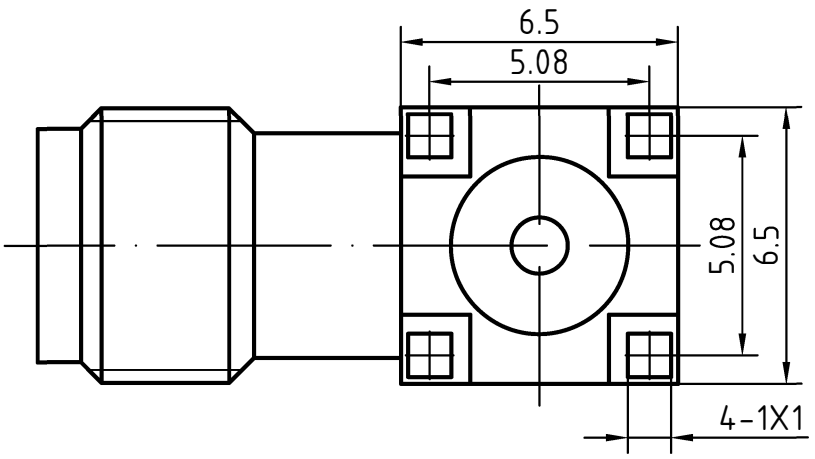
	RevNo	Revision note		Date	Signature	Checked





Interface

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
3	1	Center pin	Beryllium coper/Gold plated	
2	1	Insulator	PTFE	
1	1	Body	Brass/Golg plated	

Designed by	Checked by	Approved by	File name	Date	Scale
Xio Xang	Jing Lo	Jing Chan	SMA-332200	06.08.21	6:1

RF CONNEC

SMA-332200

Edition	Sheet
0	1/1

CHARACTERISTICS

DESCRIPTION:	SMA Female R/A for PCB solder legs

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18 GHz
VSWR:	≤ 1.08 + 0.005 x f [GHz], DC to 8 GHz
	≤ 1.30, 8 to 18 GHz
Insertion loss:	≤ 0.05 x $\sqrt{f[GHz]}$ dB
Insulation resistance:	≥5000MΩ
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	3.0 mΩ
2). Outer conductor:	2.0 mΩ
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz; ≤ 100 W @ 10 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- VSWR in application depends decisive on PCB layout -

Environmental data:

Temperature rating:	-55 °C to 155 °C
2002/95/EC (RoHS):	Compliant

Mechanical data:

Mating cycles:	≥500
Center contact captivation:	≥27 N(axial)
	≥3 Ncm(radial)
Coupling test torque:	≤1.7 Nm
Recommended torque:	0.8 Nm to 1.1 Nm

Suitable cables: