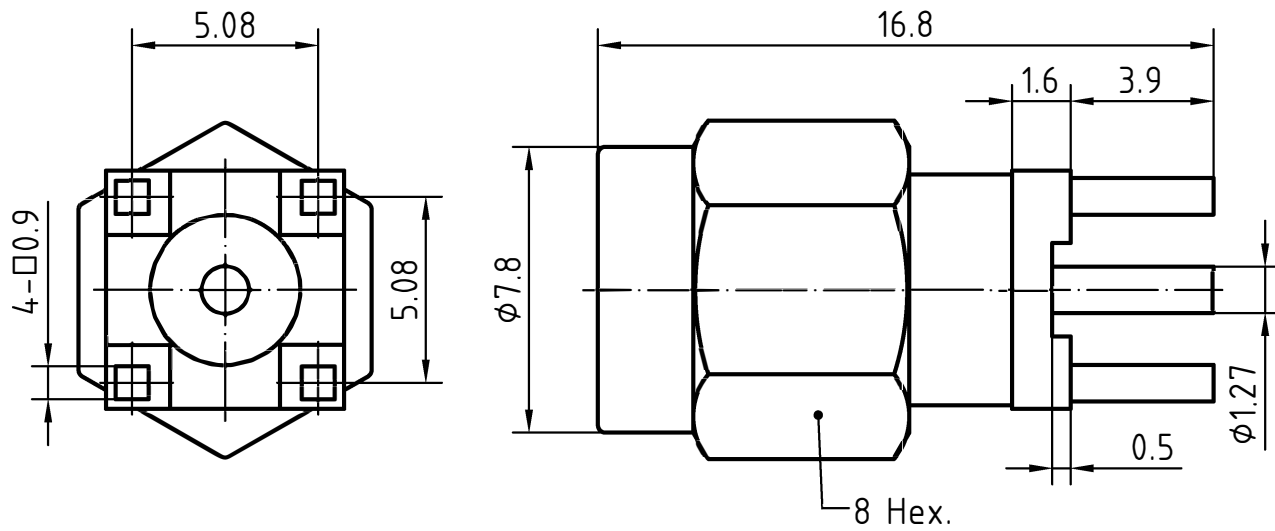
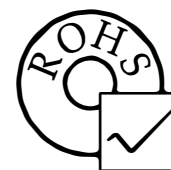
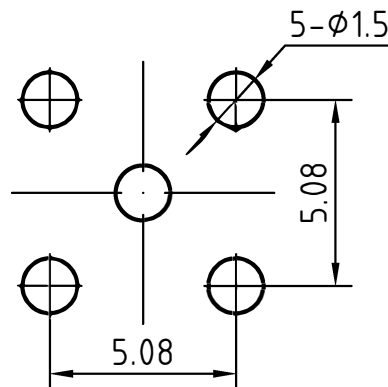


DRAWING



P.C.B Layout



6	1	O ring	Silicone rubber	
5	1	Spring	Beryllium copper/Nickel plated	
4	1	Coupling nut	Brass/Gold plated	
3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by
Jing ChanFile name
SMA-331100Date
15.06.24Scale
5 : 1

SMA-331100

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

SMA Type male connector for PCB

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18.0 GHz
VSWR:	$\leq 1.04 + 0.02 \times f[\text{GHz}]$
Insertion loss:	$\leq 0.08 \times \sqrt{f[\text{GHz}]} \text{ dB}$
Insulation resistance:	$\geq 5000 \text{ M}\Omega$
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	3 m Ω
2). Outer conductor:	2 m Ω
Power handling (at 20 ° C, sea level, VSWR 1.0):	$\leq 200 \text{ W @ } 2 \text{ GHz}$
RF-leakage:	$\geq 100 \text{ dB up to } 1 \text{ GHz}$

Environmental data:

Temperature rating:	-65 ° C to +165 ° C
2002/95/EC (RoHS):	Compliant

Mechanical data:

Mating cycles:	≥ 500
Center contact captivation:	$\geq 15 \text{ N(axial)}$
Coupling test torque:	$\leq 1.1 \text{ Nm}$
Recommended torque:	$\leq 0.46 \sim 0.69 \text{ Nm}$

Suitable cables:

N/A