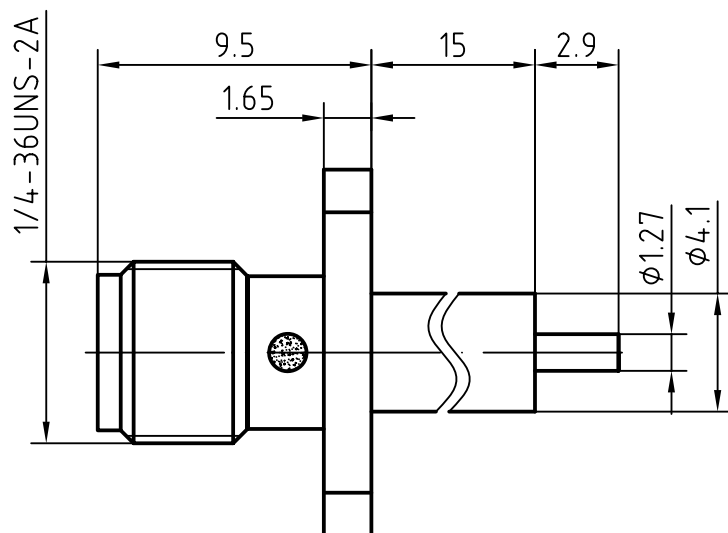
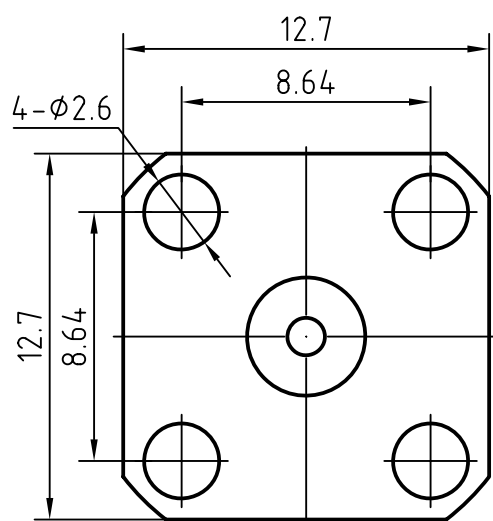
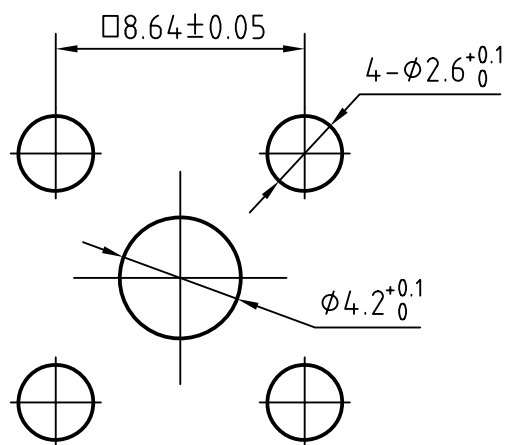




MOUNTING HOLE



3

1

Body

Brass/Gold plated

2

1

Insulator

PTFE

1

1

Center contact

Beryllium copper/Gold plated

Designed by
xio xangChecked by
jing loApproved by - date
jing chanFile name
SMA-232141Date
05.06.16Scale
5 : 1**RF CONNEC**

SMA-232141

Edition
1.0Sheet
1/1

DESCRIPTION:	CHARACTERISTICS SMA Type female FL connector
<u>Electrical data:</u> Impedance: 50 ohm Frequency range: DC to 18 GHz VAWR: $\leq 1.04 + 0.02 \times f \text{ [GHz]}$ 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): $\leq 200 \text{ W @ 2 GHz}$ RF-leakage: $\geq 100 \text{ dB up to 1 GHz}$	
<u>Environmental data:</u> Temperature rating: -65 ° C to +165 ° C 2002/95/EC (RoHS): Compliant	
<u>Mechanical data:</u> Mating cycles: ≥ 100 Center contact captivation(axial): $\geq 20 \text{ N}$ (radial): $\geq 1 \text{ Ncm}$ Coupling test torque: $\leq 1.1 \text{ Nm}$ Recommended torque: 0.46~0.69 Nm	
<u>Suitable cables:</u> N/A	
	