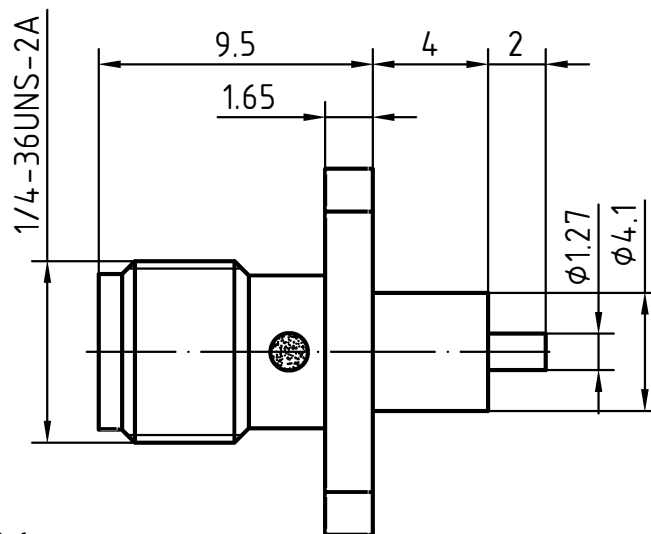
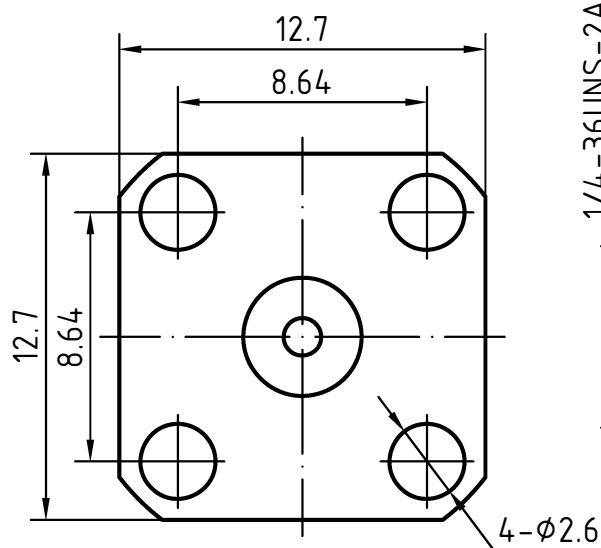
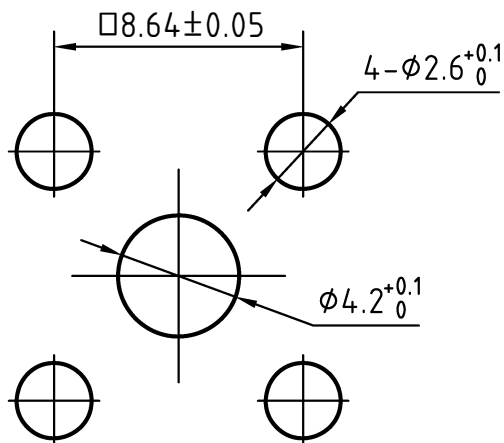


DRAWING



MOUNTING HOLE



3

1

Body

Brass/Gold plated

Gold 0.2um over Nickel 2.0um

2

1

Insulator

PTFE

1

1

Center contact

Beryllium copper/Gold plated

Gold 0.5um over Nickel 2.0um

Designed by
Xio XangChecked by
Jing LoApproved by
Jing ChanFile name
SMA-232142(4)Date
11.04.14Scale
5:1**RF CONNEC****SMA-232142(4)**Edition
1.0Sheet
1/1

CHARACTERISTICS	
DESCRIPTION:	SMA Type female FL connector
<u>Electrical data:</u>	
<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 18.0 GHz
<i>VAWR:</i>	$\leq 1.04 + 0.02 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 M\Omega$
<i>Test voltage:</i>	1000 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3 mΩ
2). Outer conductor:	2 mΩ
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	$\leq 200 \text{ W @ } 2 \text{ GHz}$
<i>RF-leakage:</i>	$\geq 100 \text{ dB up to } 1 \text{ GHz}$
<u>Environmental data:</u>	
<i>Temperature rating:</i>	-65 ° C to +165 ° C
<i>2002/95/EC (RoHS):</i>	Compliant
<u>Mechanical data:</u>	
<i>Mating cycles:</i>	≥ 100
<i>Center contact captivation(axial):</i>	$\geq 20 \text{ N}$
<i>(radial):</i>	$\geq 1 \text{ Ncm}$
<i>Coupling test torque:</i>	$\leq 1.1 \text{ Nm}$
<i>Recommended torque:</i>	0.46~0.69 Nm
<u>Suitable cables:</u>	
	N/A