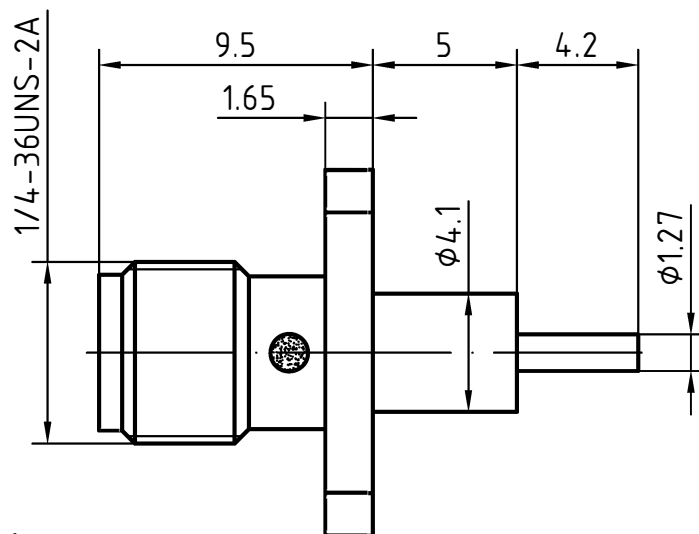
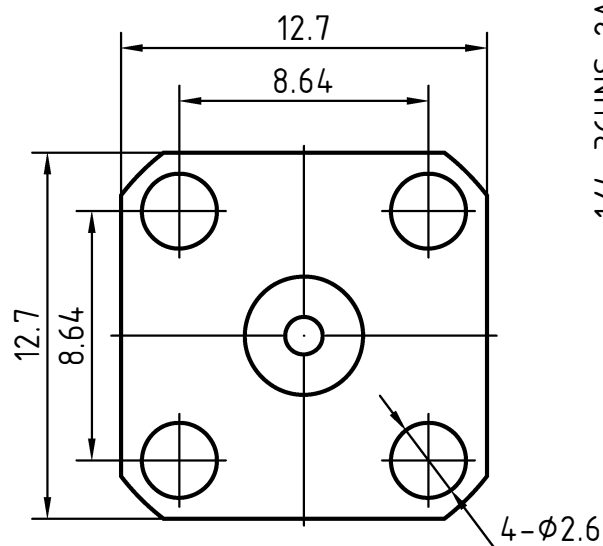
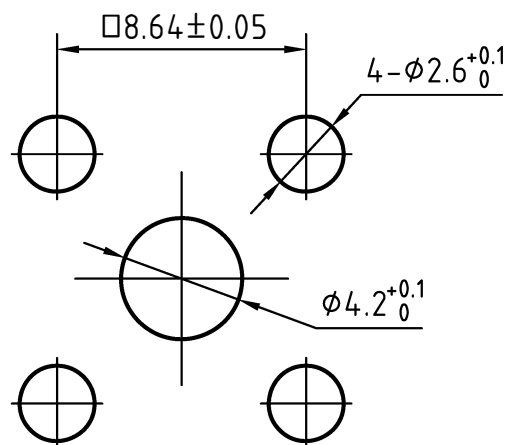


DRAWING



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-232142(5)Date
13.10.10Scale
5 : 1**RF CONNEX**

SMA-232142(5)

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type female FL connector
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Electrical data:

<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>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	1000 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3 m Ω
2). Outer conductor:	2 m Ω
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	$\leq 200 \text{ W @ 2 GHz}$
<i>RF-leakage:</i>	$\geq 100 \text{ dB up to 1 GHz}$

Environmental data:

Temperature rating: -65 ° C to +165 ° C

2002/95/EC (RoHS): Compliant

Mechanical data:

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:	$0.46\sim 0.69\text{ Nm}$

Suitable cables:

N/A