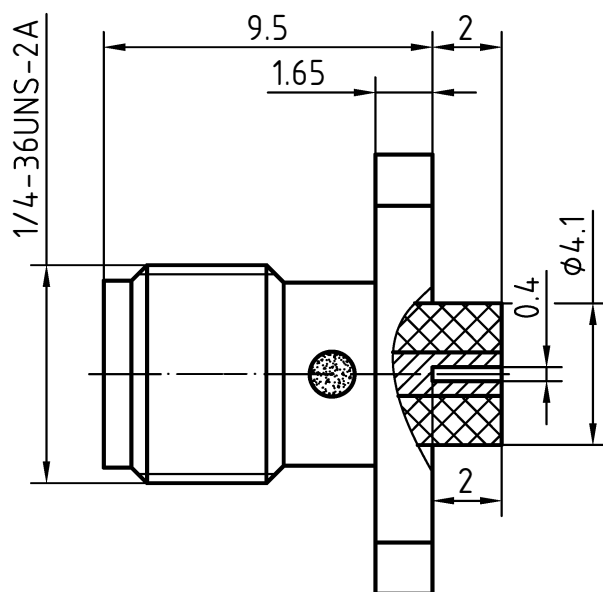
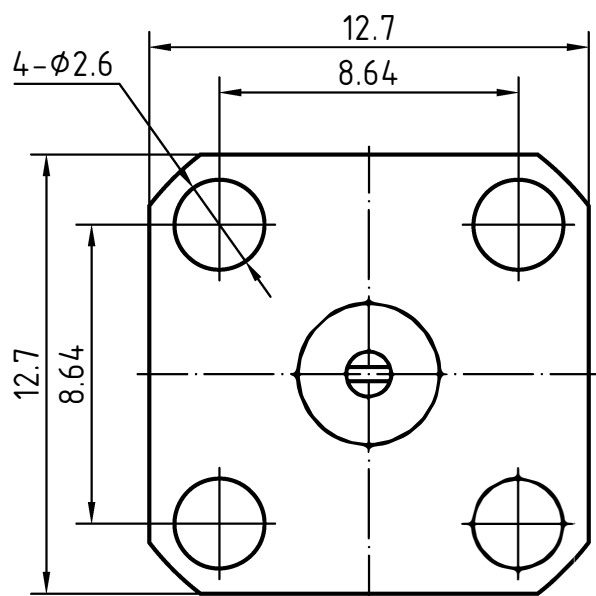
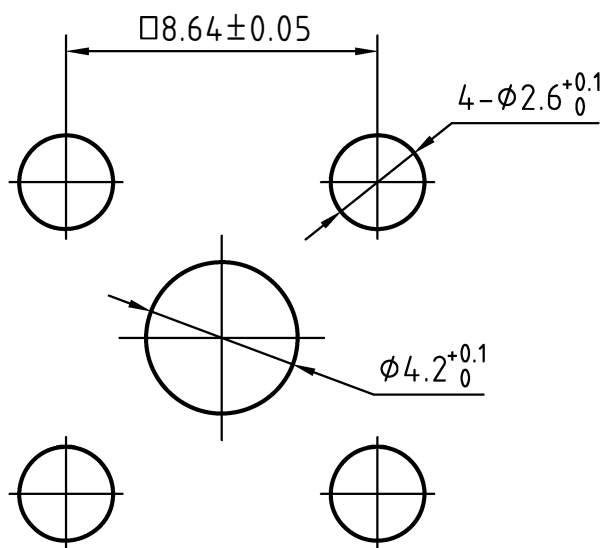


DRAWING



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(2S)Date
10.07.12Scale
5 : 1**RF CONNEC**

SMA-232142(2S)

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type female FL connector
<u>Electrical data:</u>	
Impedance:	50 ohm
Frequency range:	DC to 18.0 GHz
VSWR:	$\leq 1.04 + 0.02 \times f [\text{GHz}]$
Insertion loss:	$\leq 0.05 \times \sqrt{f[\text{GHz}]} \text{dB}$
Insulation resistance:	$\geq 5000\text{M}\Omega$
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	3 mΩ
2). Outer conductor:	2 mΩ
Power handling (at 20 ° C, sea level, VSWR 1.0):	$\leq 200 \text{ W @ } 2 \text{ GHz}$
RF-leakage:	$\geq 100 \text{ dB up to } 1 \text{ GHz}$
<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
	