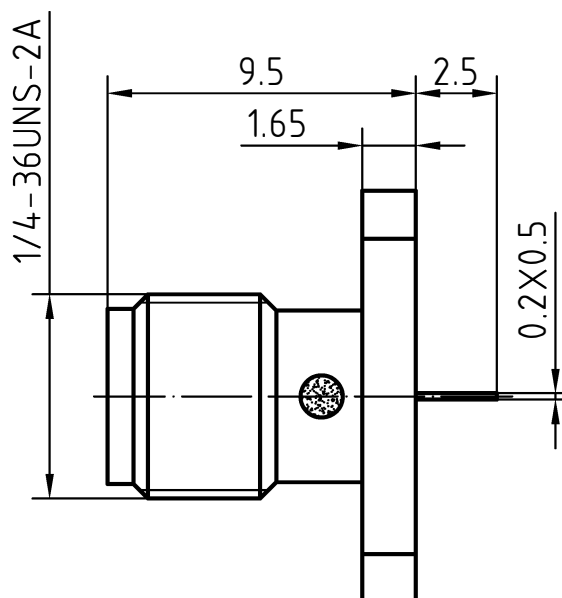
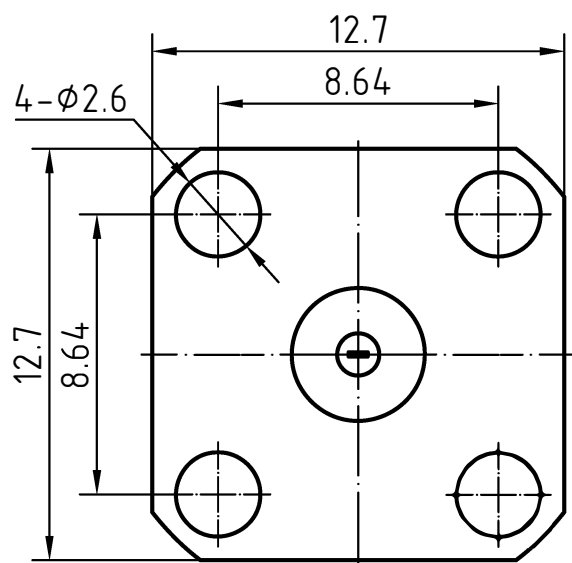
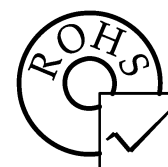
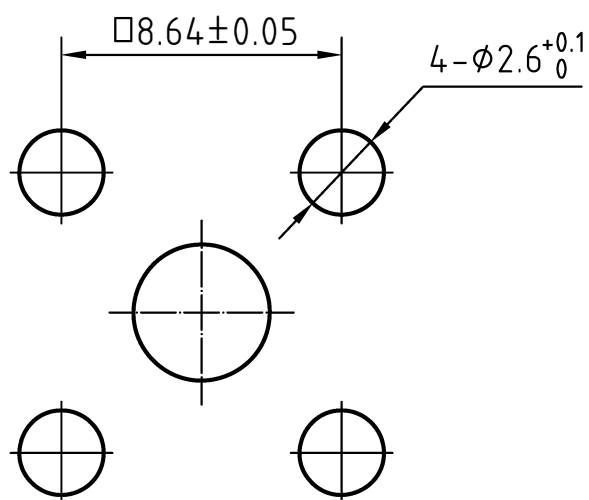


DRAWING



Mounting hole



3	1	Body	Stainless steel/Passivated	
2	1	Insulator	PTFE	
1	1	Center contact	Beryllium copper/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
Designed by Xio Xang	Checked by Jing Lo	Approved by Jing Chan	File name SMA-232143(2.5s)	Date 12.04.12
		SMA-232143(2.5s)		
		Edition 1.0	Sheet 1/1	

CHARACTERISTICS

DESCRIPTION:

SMA Type female FL connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 18.0 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.04 + 0.02 \times f \text{ [GHz]}$</i>
<i>Insertion loss:</i>	<i>$\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5000 M\Omega$</i>
<i>Test voltage:</i>	<i>$\geq 1000 \text{ V rms}$</i>
<i>Working voltage:</i>	<i>$\leq 500 \text{ V rms}$</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>$\leq 1.5 \text{ m}\Omega$</i>
2). Outer conductor:	<i>$\leq 1.0 \text{ m}\Omega$</i>
<i>RF leakage:</i>	<i>$\leq -(60 - F(\text{GHz})) \text{ dB}$</i>

Environmental data:

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

Mechanical data:

<i>Mating cycles:</i>	<i>≥ 500</i>
<i>Center contact captivation:</i>	<i>$\geq 27 \text{ N(axial)}$</i>
<i>Coupling test torque:</i>	<i>$\leq 1.7 \text{ Nm}$</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

N/A