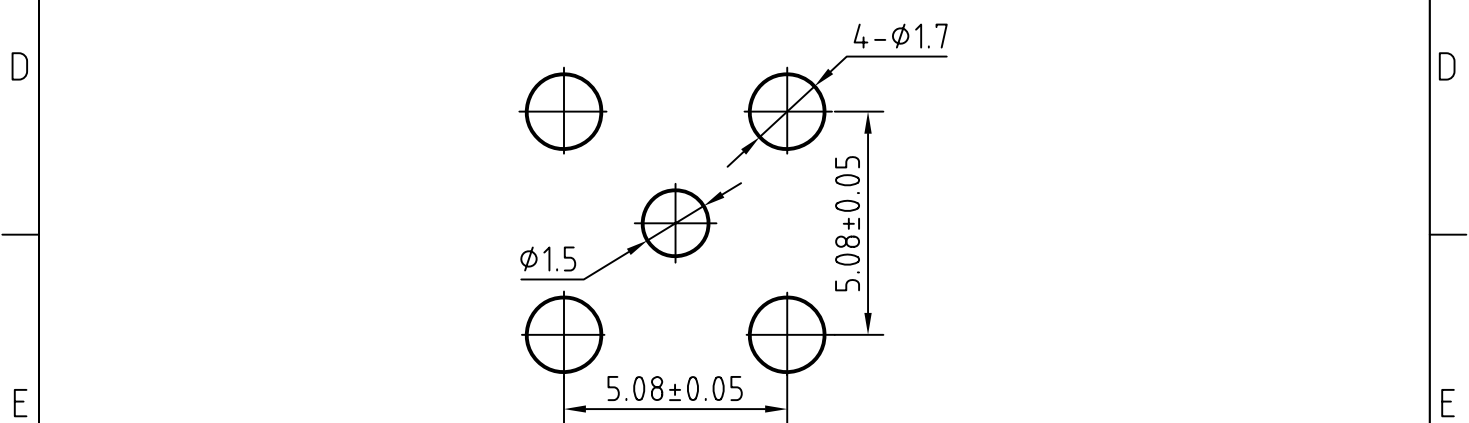


▲ MOUNTING HOLE



3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Female contact	Beryllium copper/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by xio xang	Checked by jing to	Approved by - date jing chan	File name SMA-332100	Date 07.04.05	Scale 6 : 1
-------------------------	-----------------------	---------------------------------	-------------------------	------------------	----------------

	<b>SMA-332100</b>	
	Edition 1.0	Sheet 1/1

# CHARACTERISTICS

## DESCRIPTION:

SMA Type female str for PCB solder legs

### Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 18 GHz</i>
<i>VSWR:</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>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>480 V rms</i>
<i>Contact resistance:</i>	
1). <i>Centre contact:</i>	<i>3.0 m<math>\Omega</math></i>
2). <i>Outer conductor:</i>	<i>2.0 m<math>\Omega</math></i>
<i>Power handling</i> (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz}; \leq 100 \text{ W @ 10 GHz}$
<i>RF-leakage</i>	$\geq 100 \text{ dB up to 1 GHz}$
<i>- VSWR in application depends decisive on PCB layout -</i>	

### Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +155 ° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

### Mechanical data:

<i>Mating cycles:</i>	$\geq 500$
<i>Center contact captivation:</i>	$\geq 27 \text{ N(axial)}$ $\geq 3 \text{ Ncm(radial)}$
<i>Coupling test torque:</i>	$\leq 1.1 \text{ Nm}$
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

### Suitable cables:

N/A