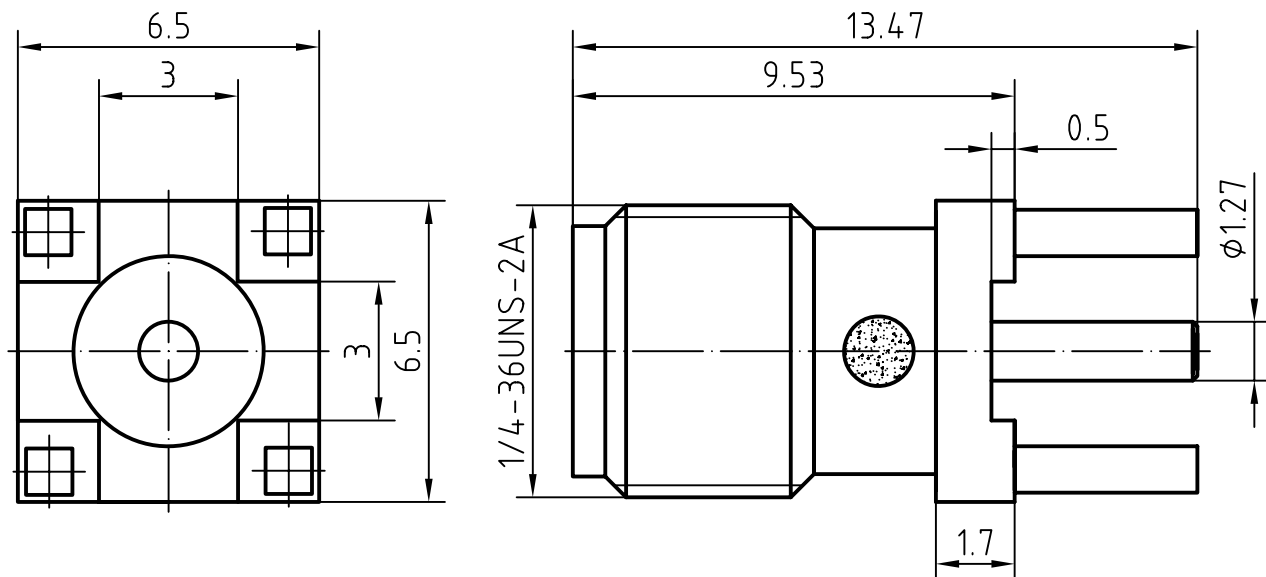
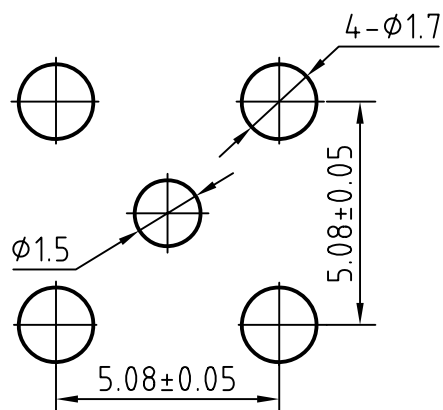




MOUNTING HOLE



| 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 XangChecked by  
Jing LoApproved by - date  
Jing ChanFile name  
SMA-332100Date  
07.04.05Scale  
6 : 1**RF CONNEC****SMA-332100**Edition  
1.0Sheet  
1/1

## CHARACTERISTICS

### DESCRIPTION:

SMA Type female str for PCB solder legs

#### Electrical data:

|                                                        |                                                           |
|--------------------------------------------------------|-----------------------------------------------------------|
| Impedance:                                             | 50 ohm                                                    |
| Frequency range:                                       | DC to 18 GHz                                              |
| VSWR:                                                  | $\leq 1.04 + 0.02 \times f \text{ [GHz]}$                 |
| Insertion loss:                                        | $\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$      |
| Insulation resistance:                                 | $\geq 5000 \text{ M}\Omega$                               |
| Test voltage:                                          | 1000 V rms                                                |
| Working voltage:                                       | 480 V rms                                                 |
| Contact resistance:                                    |                                                           |
| 1). Centre contact:                                    | 3.0 m $\Omega$                                            |
| 2). Outer conductor:                                   | 2.0 m $\Omega$                                            |
| Power handling (at 20 °C, sea level, VSWR 1.0)         | $\leq 200 \text{ W @ 2 GHz}; \leq 100 \text{ W @ 10 GHz}$ |
| RF-leakage                                             | $\geq 100 \text{ dB up to 1 GHz}$                         |
| - VSWR in application depends decisive on PCB layout - |                                                           |

#### Environmental data:

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

#### Mechanical data:

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

#### Suitable cables:

N/A