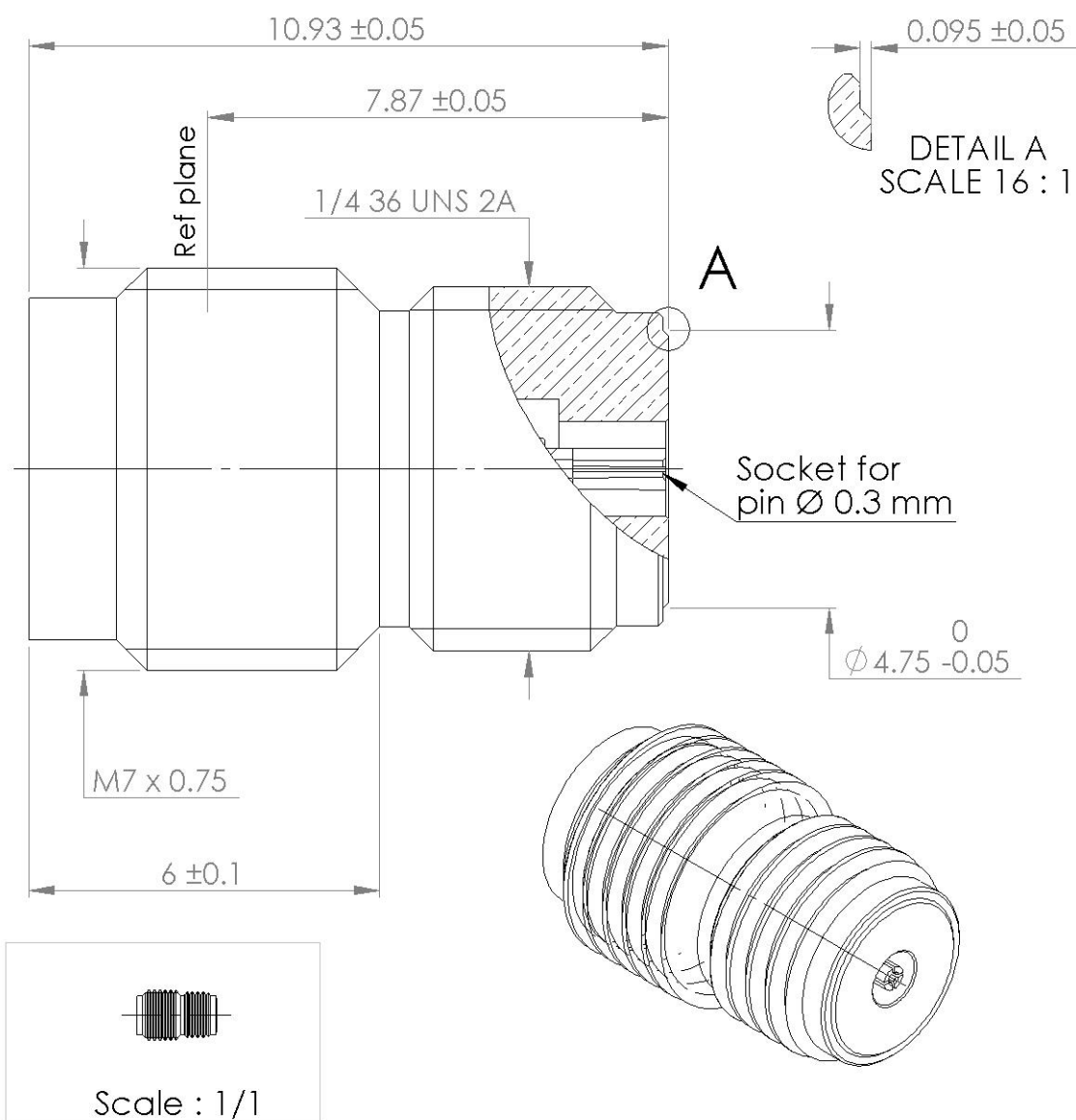


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All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
Body	<b>BERYLLIUM COPPER</b>	<b>GOLD 1.3 OVER NICKEL2</b>
Center contact	<b>BERYLLIUM COPPER</b>	<b>GOLD 1.3 OVER NICKEL2</b>
Outer contact	<b>CuZn40Pb3</b>	<b>GOLD 1.3 OVER NICKEL2</b>
Insulator	<b>PEEK</b>	
Gasket		
Others parts		
-	-	-
-	-	-

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## PACKAGING

Standard	Unit	Other
<b>1</b>	-	<b>Contact us</b>

## ELECTRICAL CHARACTERISTICS

Impedance	<b>50</b>	$\Omega$
Frequency	<b>DC-50</b>	GHz
VSWR	<b>1.05 + 0,0040</b>	x F(GHz) Maxi
Insertion loss	<b>0.02+0.04</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>100*</b>	- F(GHz)) dB Maxi
Voltage rating	<b>250</b>	Vrms Maxi
Dielectric withstanding voltage	<b>500</b>	Vrms mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

## MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	<b>27</b>	N mini
Axial force – Opposite end	<b>27</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>80-120</b>	N.cm
Panel nut		N.cm
Mating life	<b>500</b>	Cycles Maxi
Weight	<b>2,3400</b>	g Maxi

## ENVIRONMENTAL

Operating temperature	<b>-65 +165</b>	°C
Hermetic seal		Atm.cm3/s
Panel leakage		

## SPECIFICATION

**RAD-GEN-CONN 001**  
**RAD-DET-CONN 025**

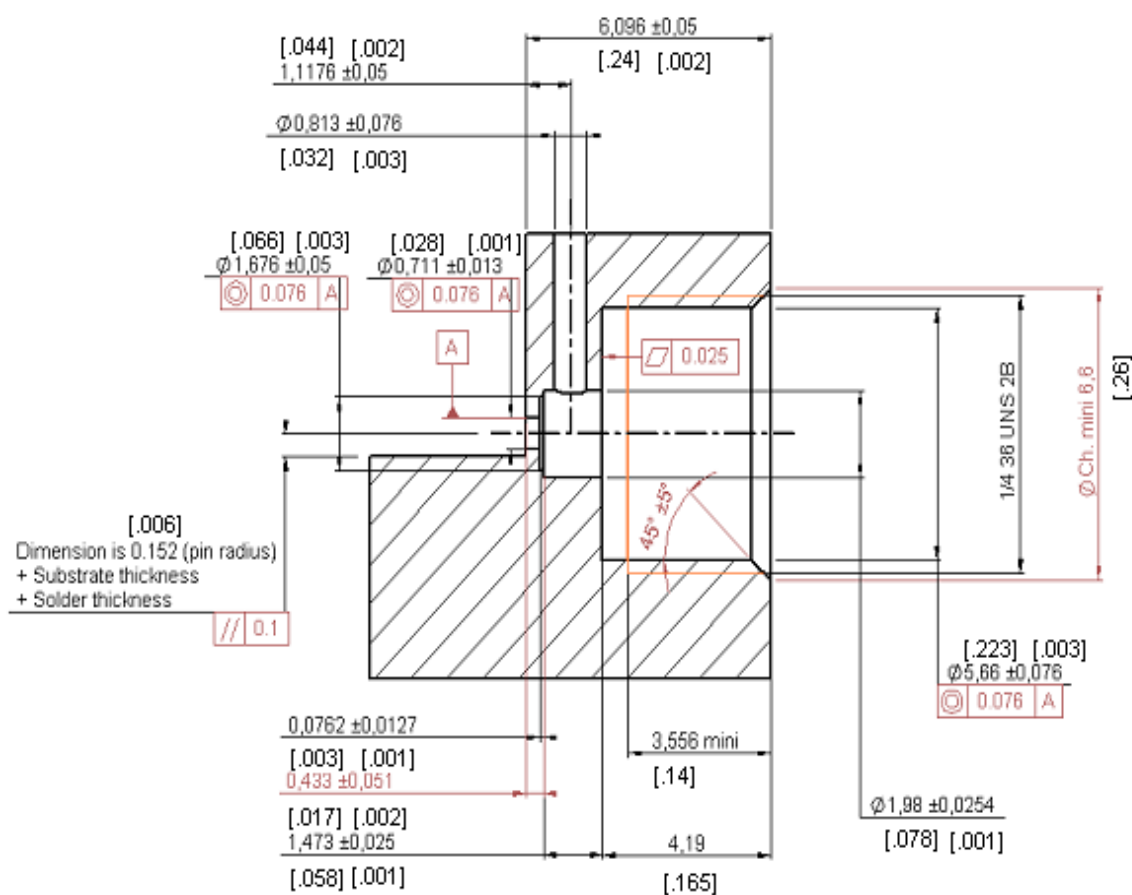
## OTHER CHARACTERISTICS

Assembly instruction:

Others:

**\* RF leakage at 1 GHz**

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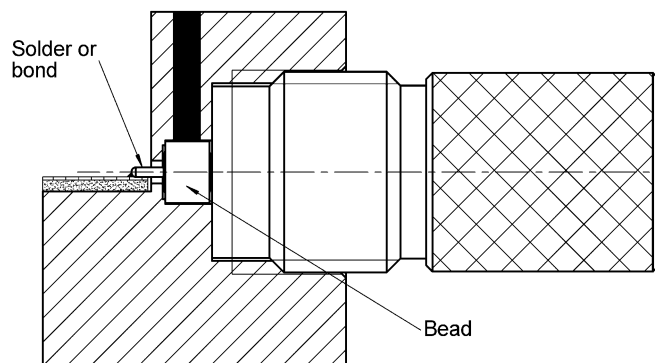
To obtain correct concentricity and dimensions on the panel drilling,  
we recommend to use RADIALL special tools:  
R282.080.000 drilling tool  
and R282.082.000 screw tap

## Soldering of the glass bead and mounting of the 2.4mm on the housing

1

### SOLDERING of the glass bead

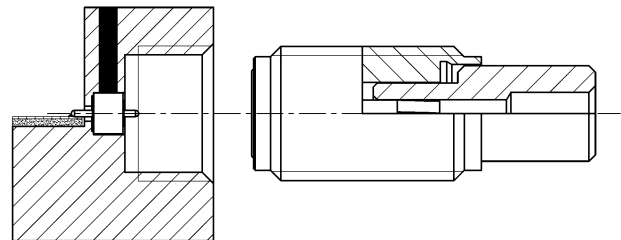
Set up of the R280.760.000X glass bead in the housing. keep the glass Bead into position thanks to R282.745.000 Positioneer



3

### MOUNTING of the flange on the box

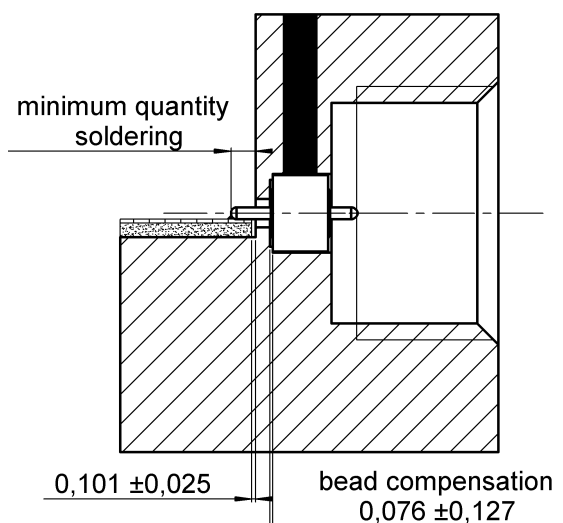
Set up the R282.860.000 position gauge on the flange to ensure a good concentricity.  
Screw the assembly on the housing.



2

### POSITION of the glass bead after soldering

Check the soldering quality as well as the position of the glass bead in the housing.



4

### Locking of the flange on the box

Lock the flange on the housing thanks to R282.341.600 dynamometer screw-driver

