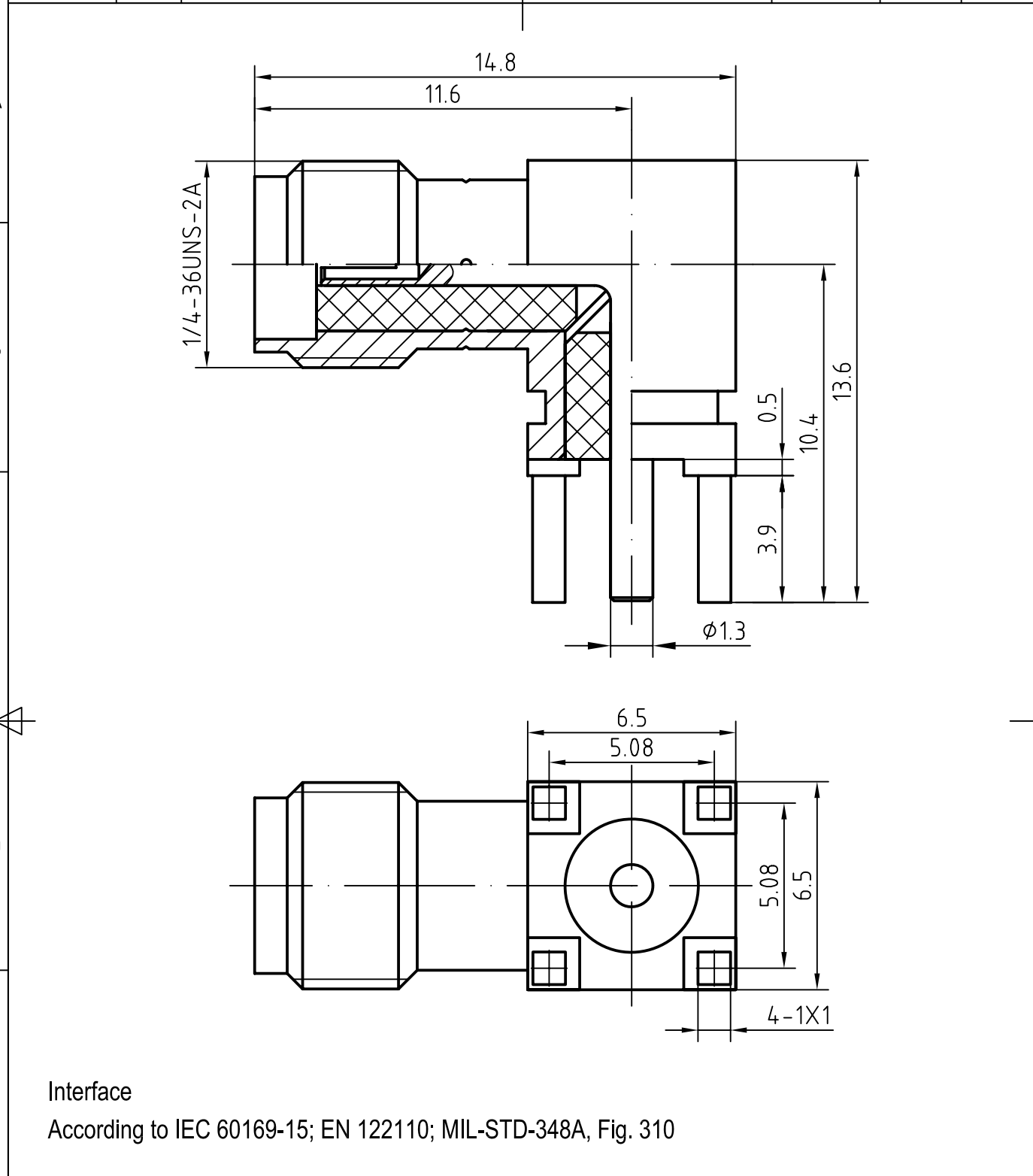


1	2	3	4
RevNo	Revision note	Date	Signature



Interface

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

3	1	Center pin	Beryllium coper/Gold plated	
2	1	Insulator	PTFE	
1	1	Body	Brass/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
Designed by MG.H		Checked by J.W	Approved by - date A.P	File name SMA-KWHD
				Date 11.12.16
				Scale 6:1
 Sainty-Tech Communications Limited			SMA-KWHD	
			Edition 0	Sheet 1/1

CHARACTERISTICS

DESCRIPTION:	SMA Female R/A for PCB solder legs
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Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18 GHz
VSWR:	$\leq 1.08 + 0.005 \times f \text{ [GHz]}$, DC to 8 GHz ≤ 1.30 , 8 to 18 GHz
Insertion loss:	$\leq 0.05 \times \sqrt{f \text{ [GHz]}}$ 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 Ω
2). Outer conductor:	2.0 m Ω
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:	≥ 500
Center contact captivation:	$\geq 27 \text{ N(axial)}$ $\geq 3 \text{ Ncm(radial)}$
Coupling test torque:	$\leq 1.7 \text{ Nm}$
Recommended torque:	0.8 Nm to 1.1 Nm

Suitable cables:

N/A



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