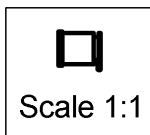
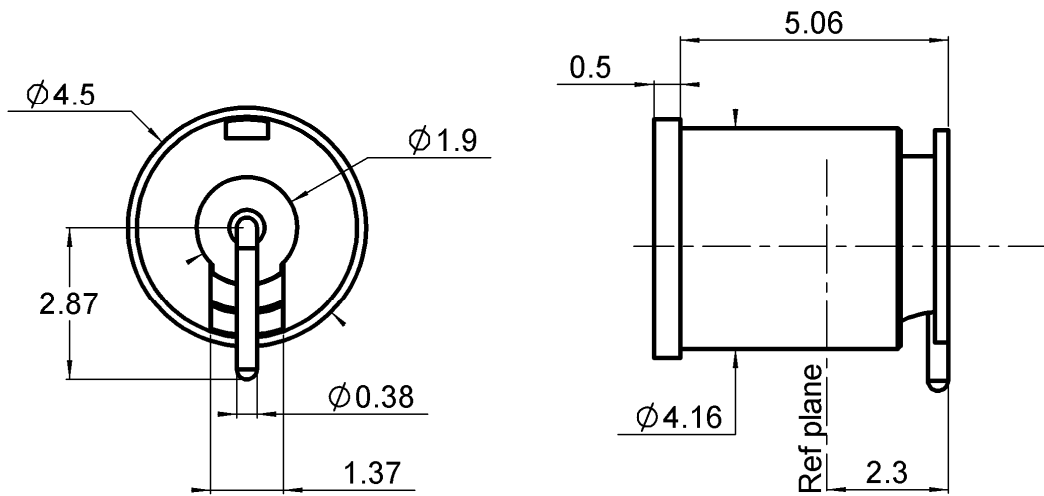


MALE STRAIGHT RECEPTACLE FOR PCB

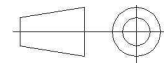
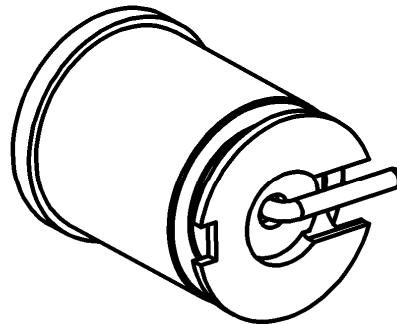
SMT TYPE - LIMITED DETENT - REEL 500

R222.508.310

Series : SMP



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BRASS	GOLD 0.1 TO 0.4 OVER NICKEL 2
OUTER CONTACT	STAINLESS STEEL	GOLD 0.1 TO 0.4 OVER NICKEL 2
INSULATOR	PTFE	
GASKET	-	
OTHERS PARTS	-	
CENTER CONTACT	BERYLLIUM COPPER	TIP : GOLD 1.3 OVER NICKEL2
-		REAR : GOLD FLASH OVER NICKEL2

Issue : 0934 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

RADIAL 

MALE STRAIGHT RECEPTACLE FOR PCB**R222.508.310****SMT TYPE - LIMITED DETENT - REEL 500**Series : **SMP****PACKAGING**

Standard	Unit	Other
500		Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-18	GHz
VSWR	1.15* + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (NA)	- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	M Ω mini

ENVIRONMENTAL

Operating temperature	-65/+165	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

Compliant with MIL-STD-348

*At 12.4GHz - Performance strongly depends on lay out and pcb material

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	6.8	N mini
Axial force – Opposite end	NA	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Mating life	500	Cycles mini
Weight	0,3200	g

Issue : 0934 A

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MALE STRAIGHT RECEPTACLE FOR PCB**SMT TYPE - LIMITED DETENT - REEL 500****R222.508.310**

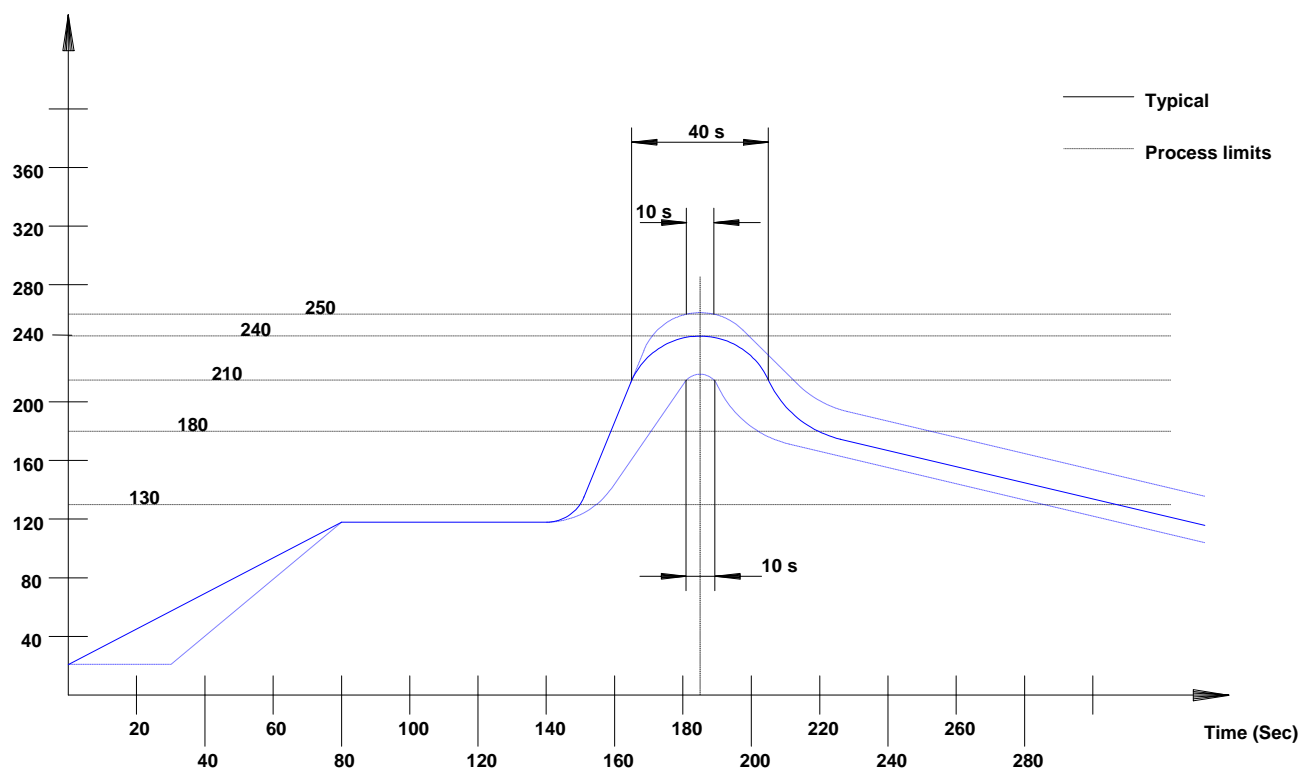
Series : SMP

SOLDER PROCEDURE

1. Deposit solder paste 'Sn Pb 60-40' on mounting zone by screen printing application. We recommend a low residue flux.
We advise a thickness of 150 μm .
Verify that the edges of the zone are clean.
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.
Video camera is preferred to check the positioning of the component. Adhesive agents are forbidden on the receptacle.
3. Soldering by infra-red reflow.
4. Cleaning of printed circuit boards.
5. Checking of solder joints and position of the component by visual inspection.

TEMPERATURE PROFIL

Temperature (Degree C)

**Issue : 0934 A**

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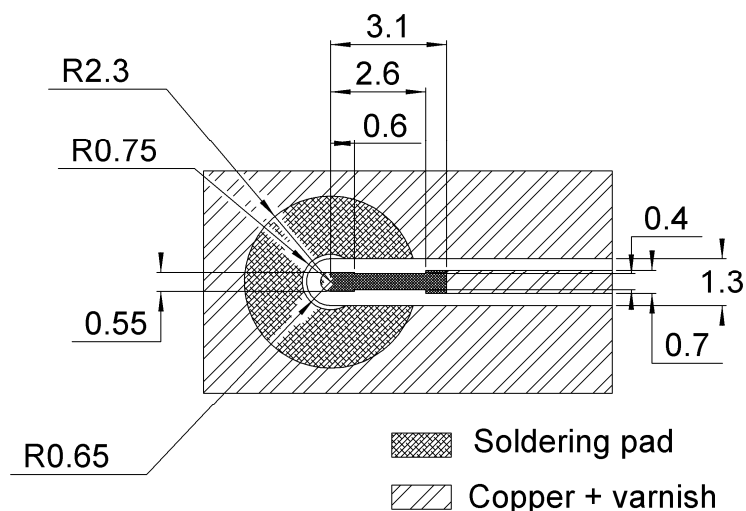
RADIAL 

MALE STRAIGHT RECEPTACLE FOR PCB**SMT TYPE - LIMITED DETENT - REEL 500****R222.508.310**

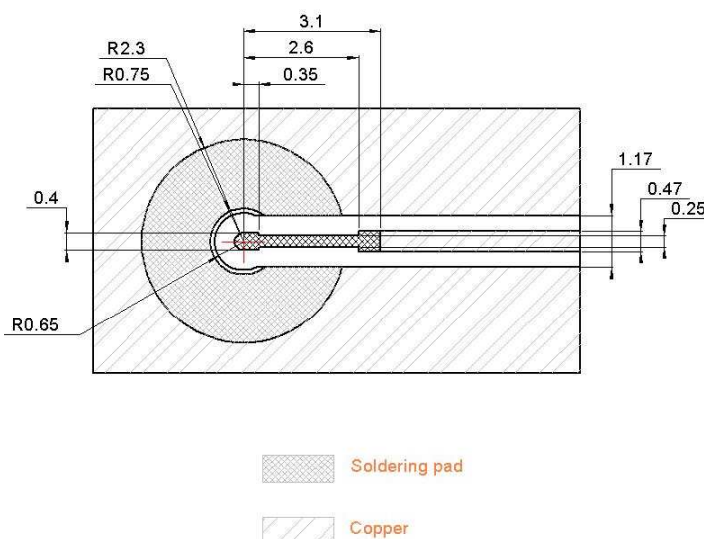
Series : SMP

RECOMMENDED PAD DIMENSIONS:Substrate: RT5880 thickness 0.254mm, with copper layer 35 μ m on both sides:

Add vias between both sides along upper ground plane according to engineering practise

Substrate: RO4350 thickness 0.254mm, with copper layer 35 μ m on both sides:

Add vias between both sides along upper ground plane according to engineering practise



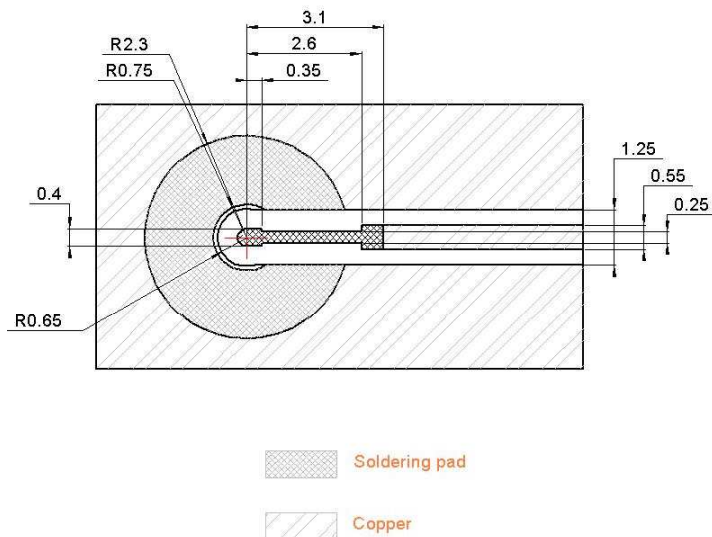
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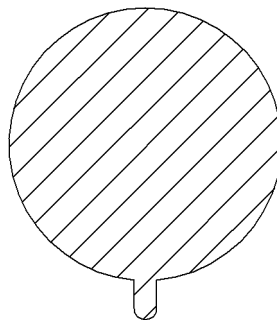
MALE STRAIGHT RECEPTACLE FOR PCB**SMT TYPE - LIMITED DETENT - REEL 500****R222.508.310**

Series : SMP

Substrate: RO6002 thickness 0.254mm, with copper layer 35µm on both sides:
Add vias between both sides along upper ground plane according to engineering practise



SHADOW OF
THE RECEPTACLE



FOR VIDEO CAMERA

Issue : 0934 A

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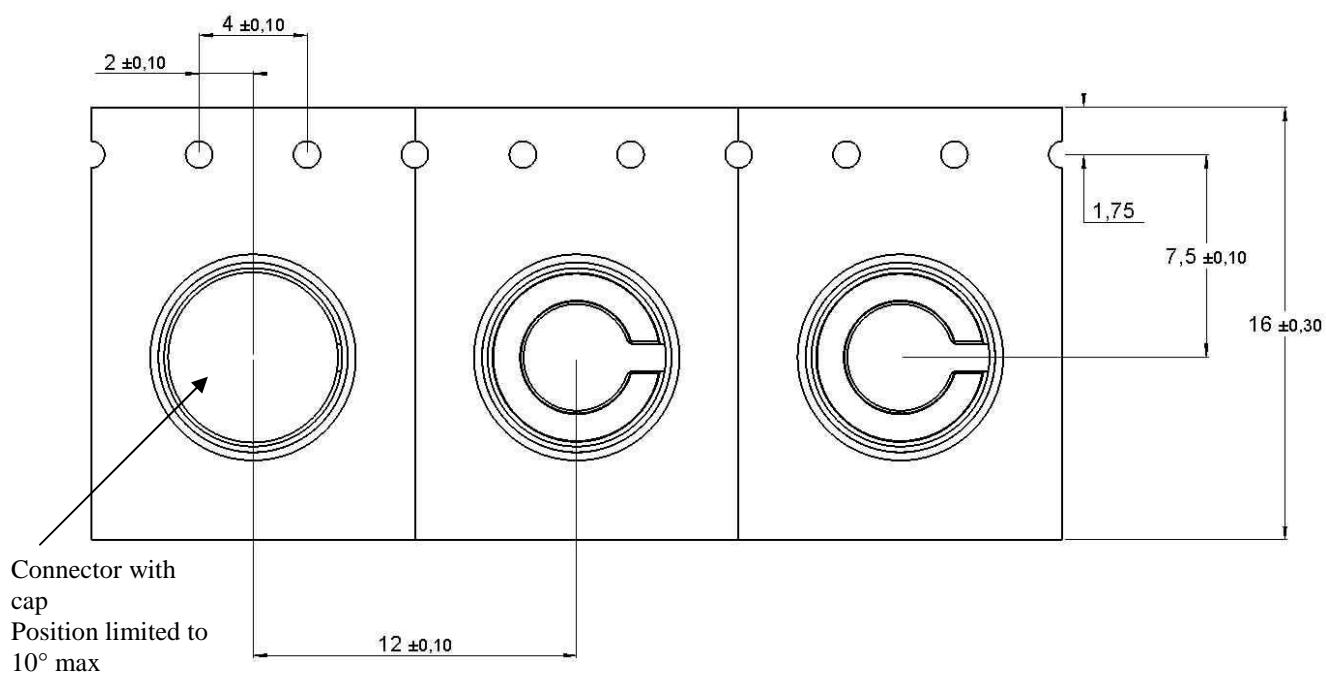
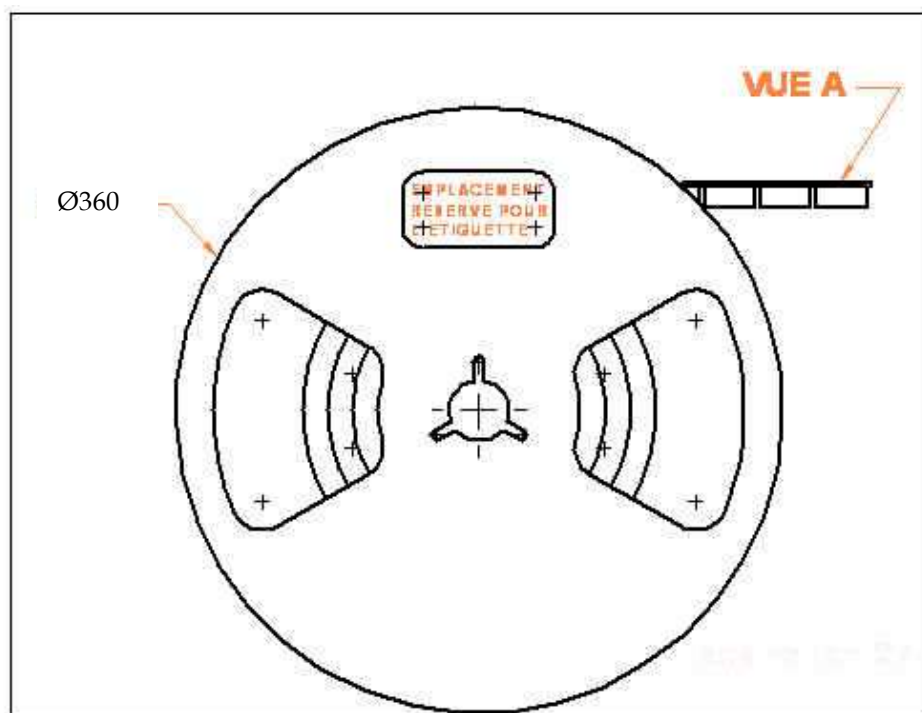
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MALE STRAIGHT RECEPTACLE FOR PCB

SMT TYPE - LIMITED DETENT - REEL 500

R222.508.310

Series : SMP



Issue : 0934 A

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RADIAL 