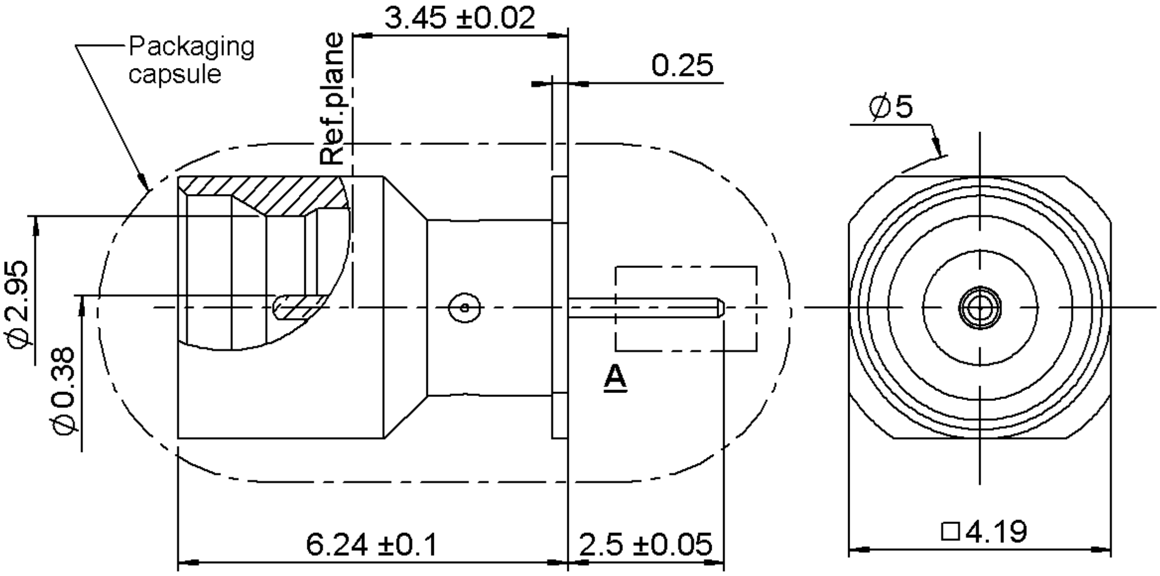
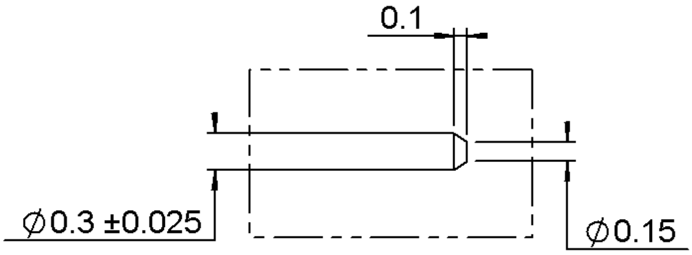
Technical Data Sheet

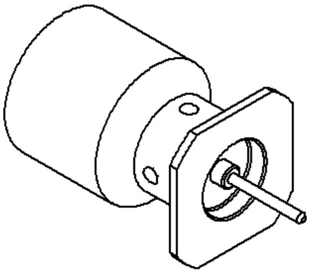
STRAIGHT PLUG RECEPTACLE FOR PCB FULL DETENT

PAGE **1/4**	ISSUE **19-04-17D**	SERIES **SMP**	PART NUMBER **R222409030**



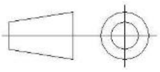


DÉTAIL A
ECHELLE 16 : 1



Scale : 1/1

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
Body	**STAINLESS STEEL**	**GOLD OVER NICKEL**
Center contact	**BERYLLIUM COPPER**	**GOLD OVER NICKEL**
Outer contact		
Insulator	**PTFE**	
Gasket		
Others parts		
-	-	-
-	-	-

PACKAGING

Standard	Unit	Other
100	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-40***	GHz
VSWR***	**1.03****	**+**	**0,0100**	x F(GHz) Maxi
Insertion loss			**0.12***	√F(GHz) dB Maxi
RF leakage		- (	**NA**	- F(GHz)) dB Maxi
Voltage rating			**335**	Veff Maxi
Dielectric withstanding voltage			**500**	Veff mini
Insulation resistance			**5000**	MΩ mini

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	**100**	Cycles mini
Weight	**0,3000**	g

ENVIRONMENTAL

Operating temperature	**-65/+165**	°C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

OTHER CHARACTERISTICS

Assembly instruction:

Others:
CONFORME MIL-STD348A NOTICE3 FIG326-3
***Coaxial transmission line only**
****DC-18GHz (Coaxial transmission line only)**
*****Performance strongly depends on layout and PCB material**

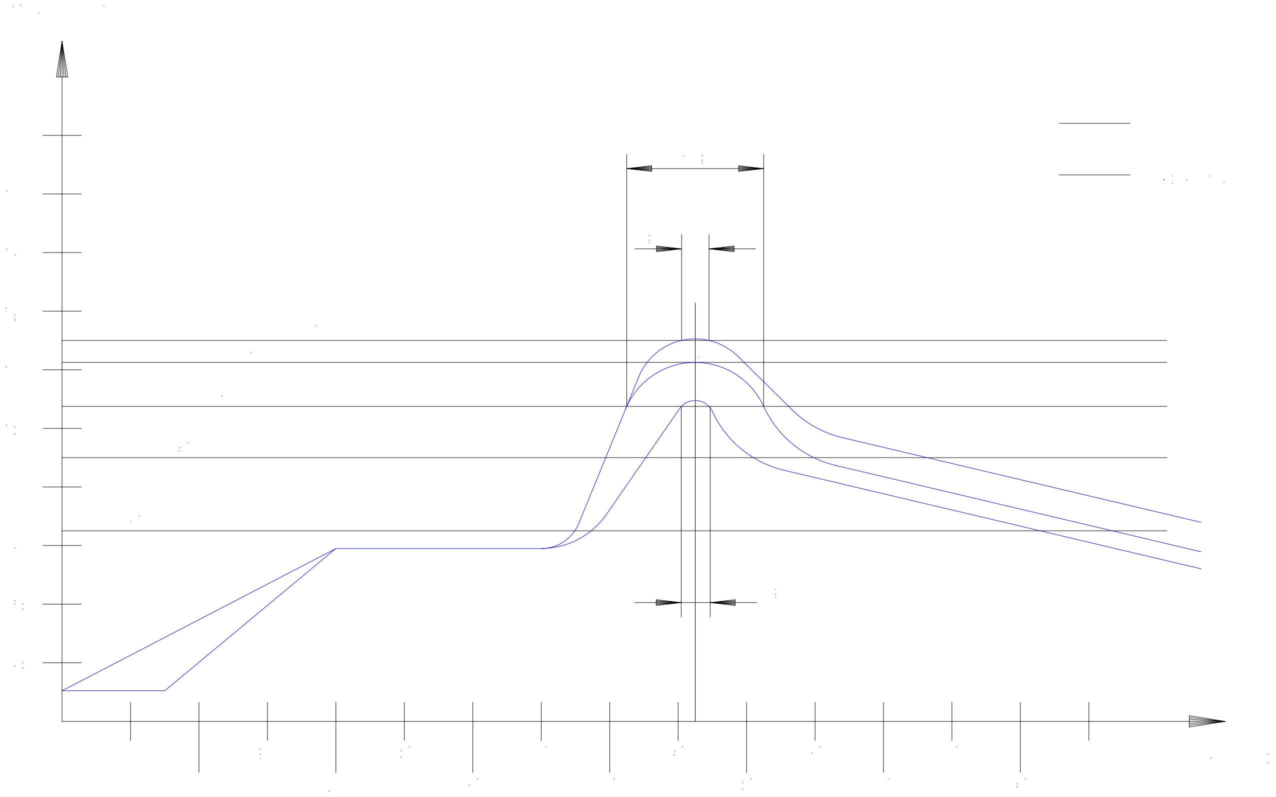
Deposit solder paste ‘Sn Ag4 Cu0.5’ on mounting zone by screen printing application. We recommend a low residue flux.

We advise a thickness of 150 µm .

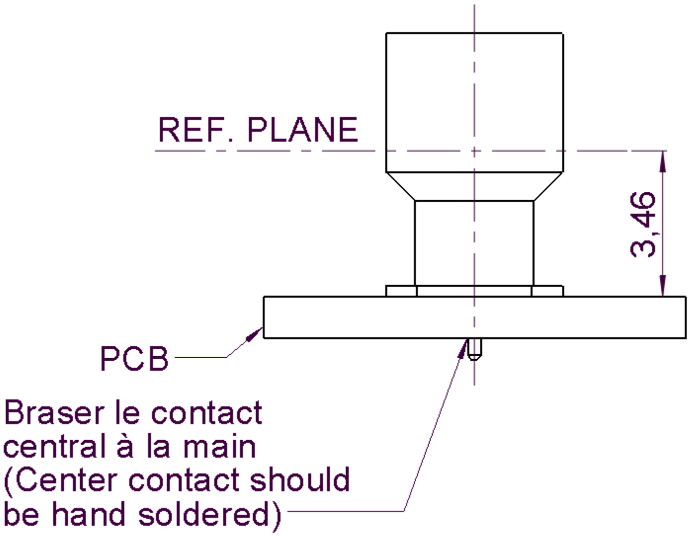
Verify that the edges of the zone are clean.

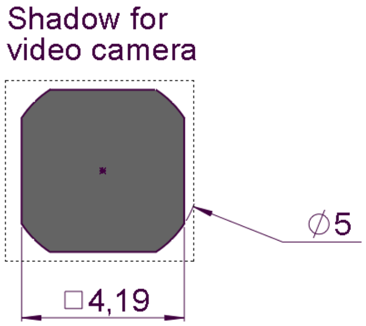
1. Placement of the receptacle on the mounting zone with an automatic machine of ‘pick and place’ type.
   Video camera is preferred to check the positioning of the component. Adhesive agents are forbidden on the receptacle.
2. Soldering by infra-red reflow.
3. Cleaning of printed circuit boards.
4. Checking of solder joints and position of the component by visual inspection.

TEMPERATURE PROFIL



INFORMATION

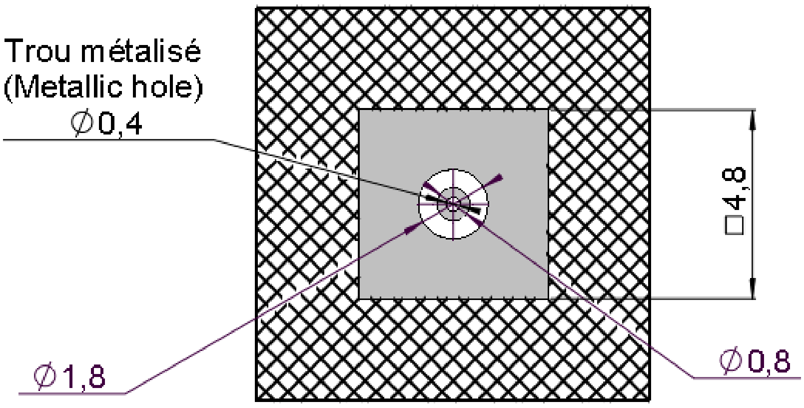




▨ Masse + vernis (Ground + varnish)

▒ Zone de soudure (Solder area)

☐ FR4 + vernis (FR4 + varnish)



Ouverture de l'écran de sérigraphie pour le contact central: Ø1.2 mm
(Aperture of the sreen printing for center contact : Ø1.2 mm)