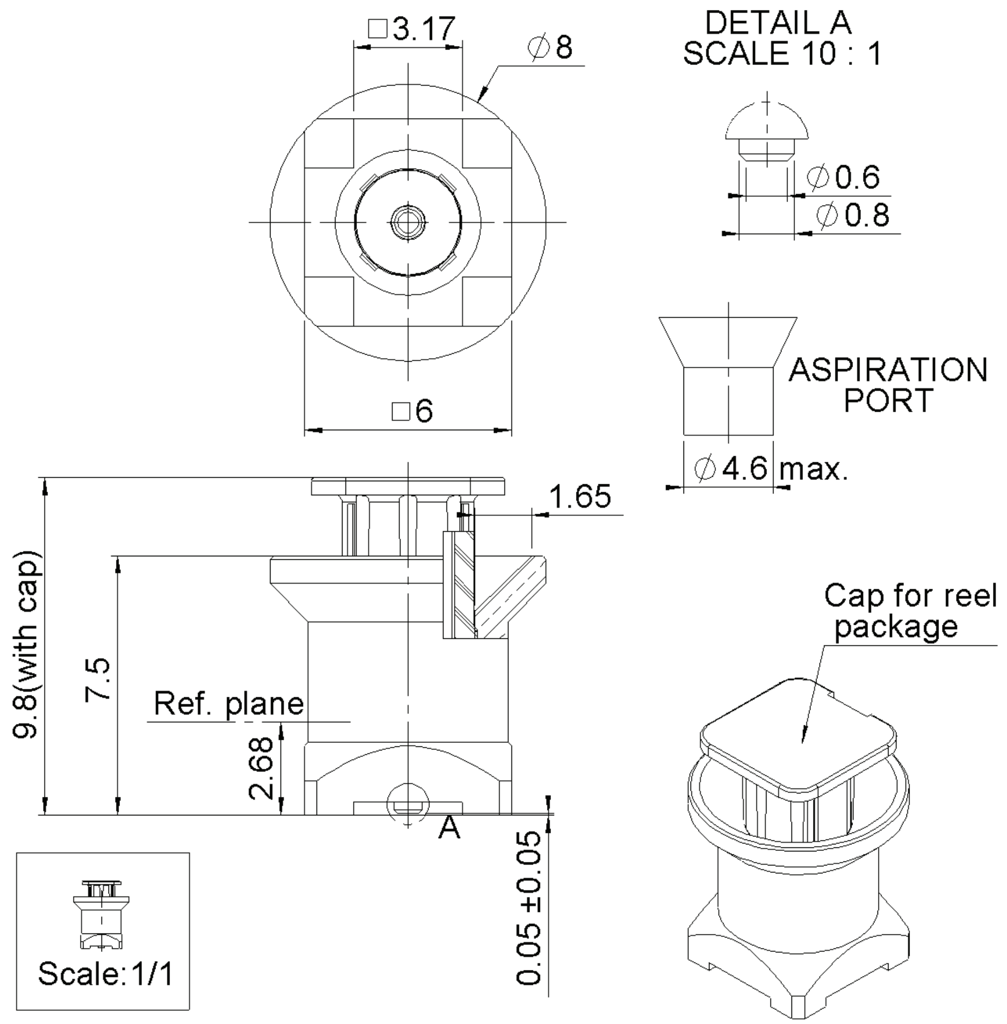
Technical Data Sheet

STRAIGHT MALE RECEPTACLE FOR SMT SLIDE TYPE - REEL OF 400

PAGE **1/5**	ISSUE **1308C**	SERIES **SMP-MAX**	PART NUMBER **R222M00740**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
Body	**BRASS**	**NPGR**
Center contact	**BRASS**	**NPGR**
Outer contact		
Insulator	**PTFE/LCP/PEEK**	
Gasket		
Others parts	**PTFE/LCP/PEEK**	
-	-	-
-	-	-

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PACKAGING

Standard	Unit	Other
400	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-6**	GHz
VSWR	**1.25***	**+**	**0.0000**	x F(GHz) Maxi
Insertion loss			**0.15***	√F(GHz) dB Maxi
RF leakage		- (	**NA**	- F(GHz)) dB Maxi
Voltage rating			**335**	Veff Maxi
Dielectric withstanding voltage			**1000**	Veff mini
Insulation resistance			**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	**7**	N mini
Axial force – Opposite end	**7**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Mating life	**100**	Cycles mini
Weight	**1.3550**	g

ENVIRONMENTAL

Operating temperature	**-55/+165**	℃
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

OTHER CHARACTERISTICS

Assembly instruction:

Others:
***VSWR: up to 3 GHz; 3-6GHz, 1.35max**
***Coaxial Transmission Line Only**
***Slide type receptacle+Bullet+Snap type**
Typical VSWR(Board to Board connection):
0-3GHz, 1.2max
Power handling (typical) :
>300W@2.7GHz at 25℃; >200W@2.7GHz at 85℃
Radial working angle: 3° min
Axial working range: 2mm

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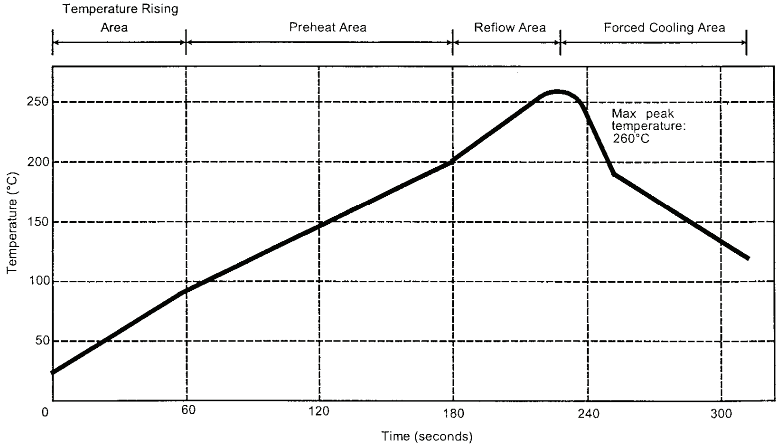
SOLDER PROCEDURE

1. **Deposit solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux. We advise a thickness of 150 micromm (5.850 microinch). 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. A video camera is recommended for positioning of the component . Adhesive agents must not be used on the receptacle.**
3. **This process of soldering has been tested with convection oven .Below please find ,the typical profile to use.**
4. **The cleaning of printed circuit boards is not obliged .**

Verification of solder joints and position of the component by visual inspection.

TEMPERATURE PROFILE



Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to - 4	°C/sec
Max dwell time above 100°C	420	sec

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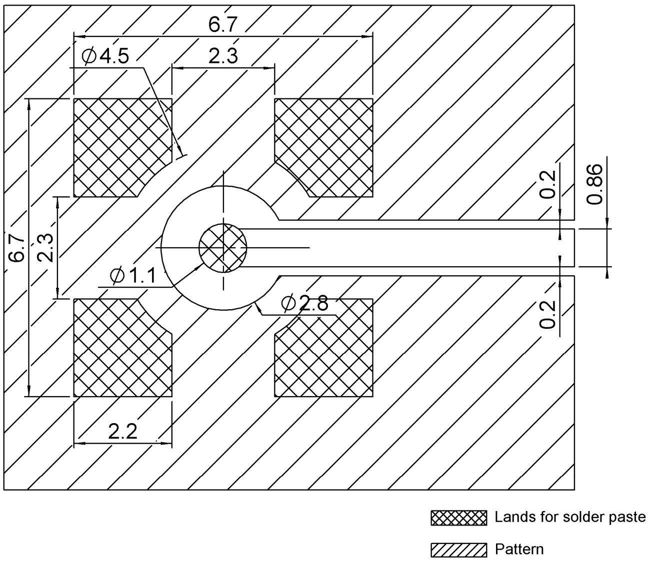
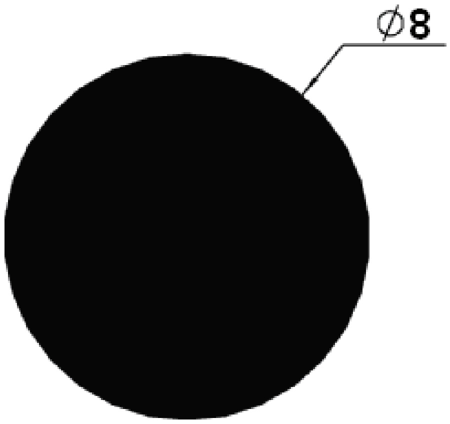
PCB



Shadow of receptacle for video camera



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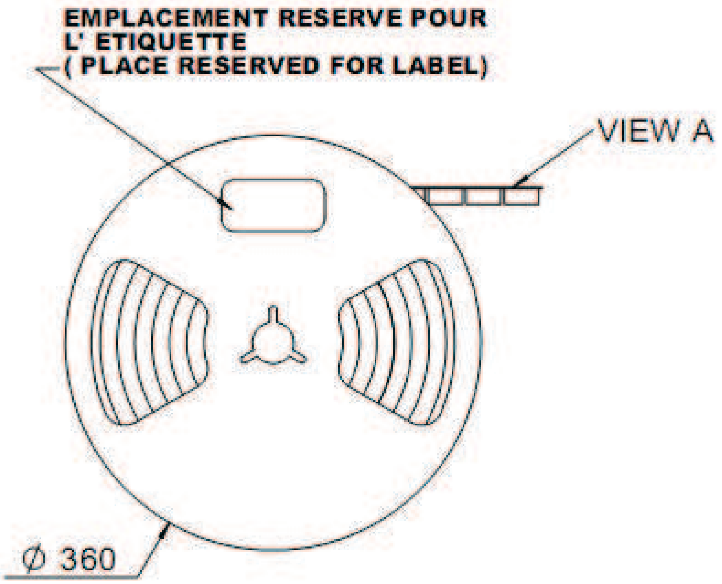
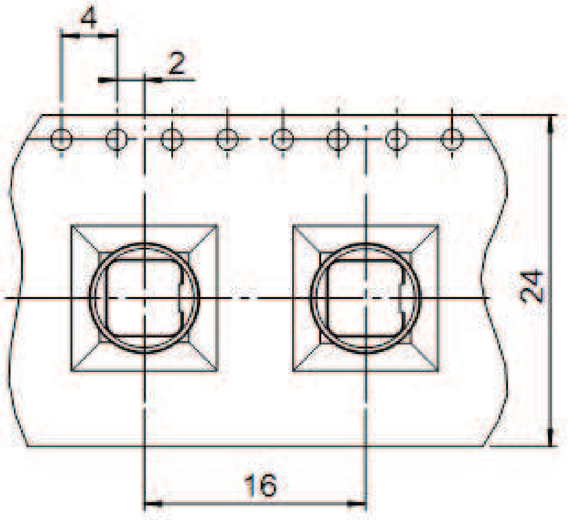
PACKAGE





VIEW A

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