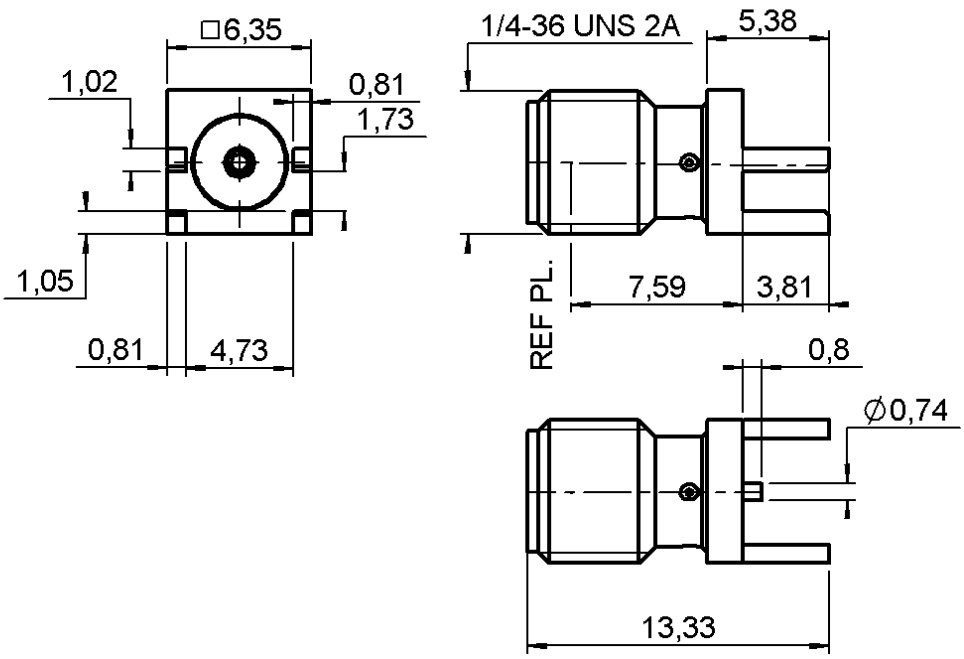
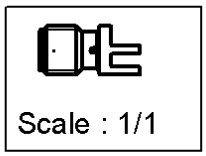
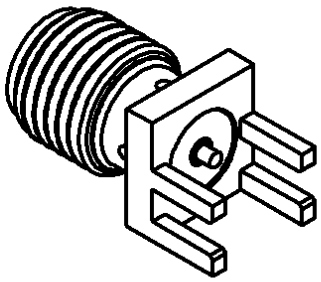
STRAIGHT JACK RECEPTACLE FOR PCB
SMT TYPE - EDGE CARD.

R124.423.223
Series : **SMA-COM**







All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	**BRASS**	**GOLD 0.5 OVER NICKEL 2**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.3 OVER NICKEL2**
OUTER CONTACT	-	-
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 1149 A

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

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R124.423.223

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PACKAGING

Standard	Unit	Other
100	**'W' option**	**Contact us**

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-18**	GHz
VSWR	**1.14** +	**0,0000**	x F(GHz) Maxi
Insertion loss		**0.05**	√F(GHz) dB Maxi
RF leakage	- (	**100**	- F(GHz)) dB Maxi
Voltage rating		**500**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

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

OTHER CHARACTERISTICS

Assembly instruction **NA**

Others :
-

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**27**	N mini
Axial force – Opposite end	**27**	N mini
Torque	**2.8**	N.cm mini
Recommended torque		
Mating	**NA-**	N.cm
Panel nut	**NA**	N.cm
Mating life	**100**	Cycles mini
Weight	**1,5620**	g

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SOLDER PROCEDURE

1. Deposition of 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 microns (5.850 microinch). Verify that the edges of the zone are clean.

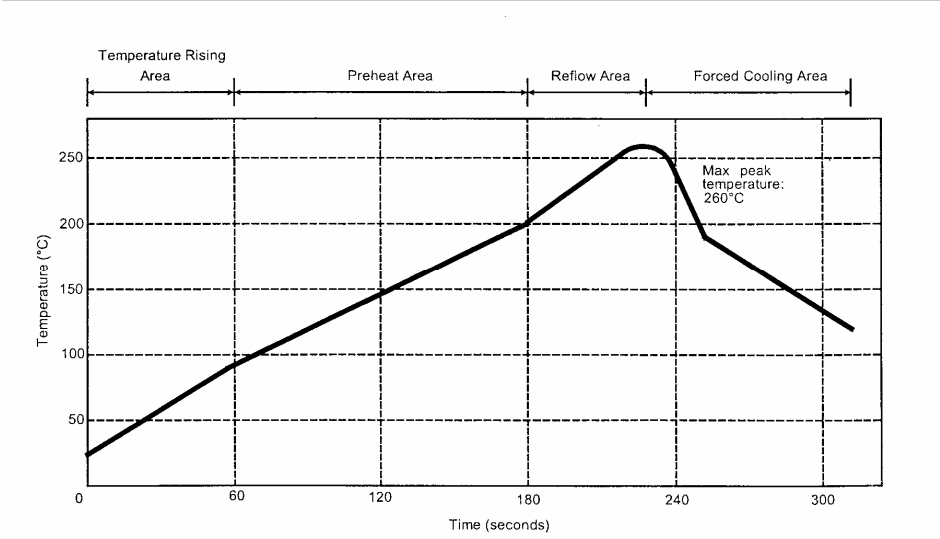
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.
   Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.

3. Soldering by infra-red reflow.
   Below, please find the typical profile to use.

4. Cleaning of printed circuit boards.

5. Checking of solder joints and position of the component by visual inspection.

TEMPERATURE PROFIL



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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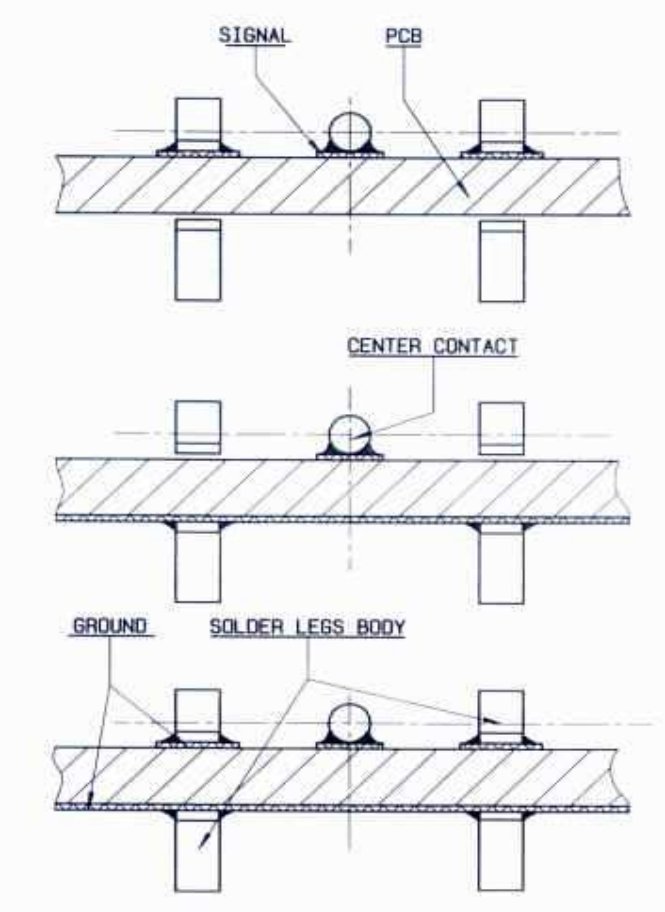
STRAIGHT JACK RECEPTACLE FOR PCB SMT TYPE - EDGE CARD.

R124.423.223

Series : **SMA-COM**

MOUNTING TYPE

This type of connector is adapted to one specific PCB thickness .
It can be used with different ways of transmission .



1- COPLANAR LINE
Signal and ground are coplanar .

2 – MICROSTRIP LINE
Signal and ground are opposite .

3 – Coplanar and opposite grounds .

Solution 3 features a stronger mechanical retention on the PCB because the 4 leads are soldered

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

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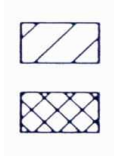
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SMT TYPE - EDGE CARD.

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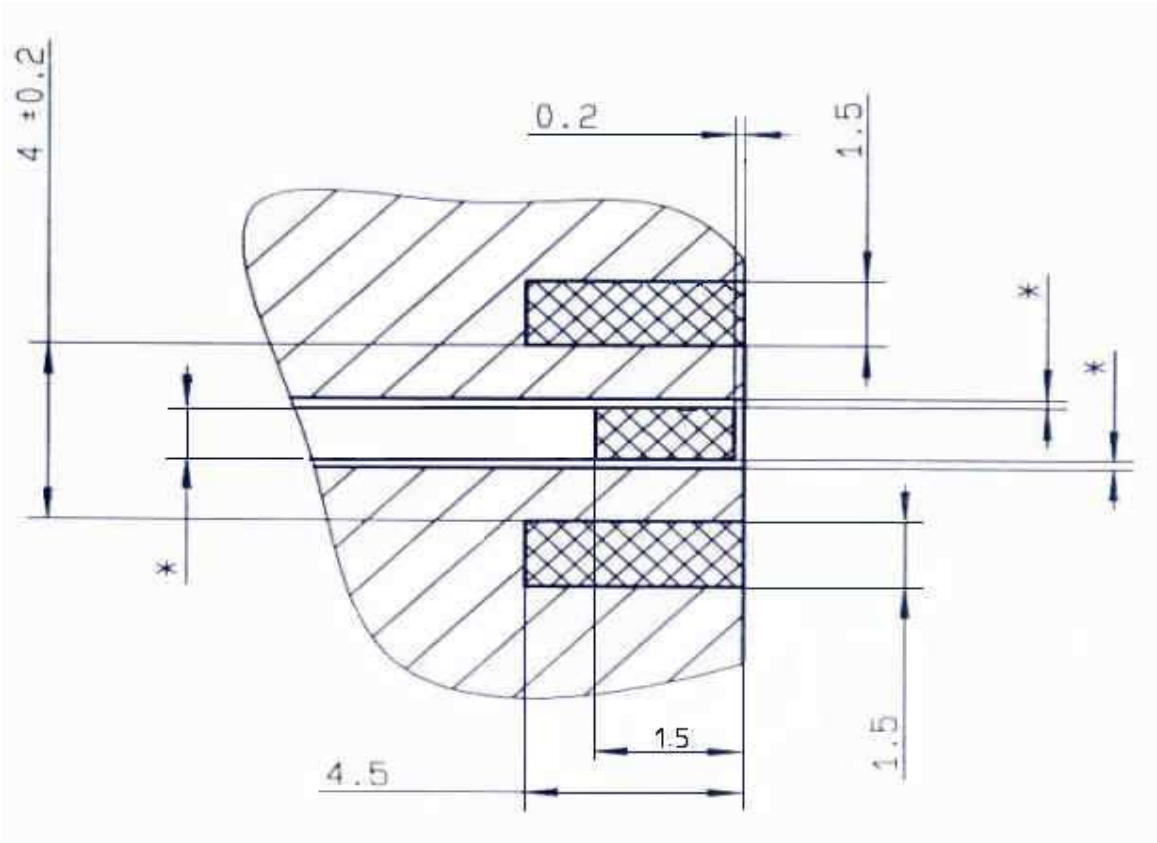
Series : **SMA-COM**

DIMENSIONS



Pattern

Land for solder past



*** Parameters flaged by a star must be defined dimensionally regarding the thickness of the PCB and the transmission way these parameters could be measured by RADIALL if requested .**

COPLANAR LINE

Pattern and signal are on the same side The material of PCB is the epoxy resin of glass fabrics bacs . (ER = 4.8)The solder resist should be printed except for the land pattern on the PCB

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

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