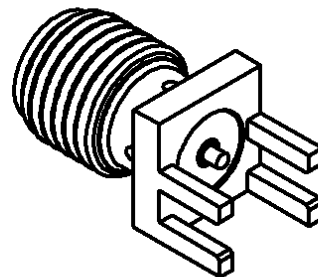
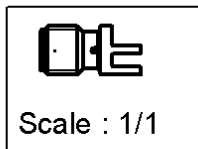
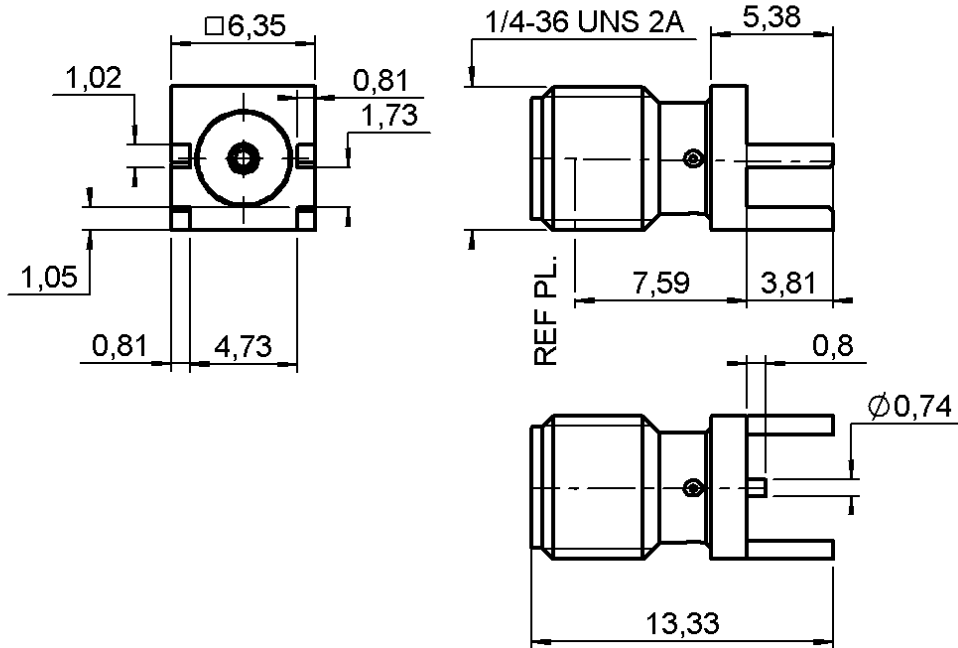


STRAIGHT JACK RECEPTACLE FOR PCB

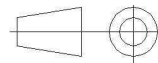
R124.423.223

SMT TYPE - EDGE CARD.

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.



STRAIGHT JACK RECEPTACLE FOR PCB

R124.423.223

SMT TYPE - EDGE CARD.

Series : SMA-COM

PACKAGING

SPECIFICATION

| Standard | Unit | Other |
|------------|-------------------|-------------------|
| 100 | 'W' option | Contact us |

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

| | | |
|---------------------------------|----------------------|--------------------------|
| Impedance | 50 | Ω |
| Frequency | 0-18 | GHz |
| VSWR | 1.14 + 0,0000 | x F(GHz) Maxi |
| Insertion loss | 0.05 | \sqrt{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 | M Ω mini |

| | | |
|-----------------------|-----------------|--------------|
| Operating temperature | -65/+165 | $^{\circ}$ 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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STRAIGHT JACK RECEPTACLE FOR PCB

R124.423.223

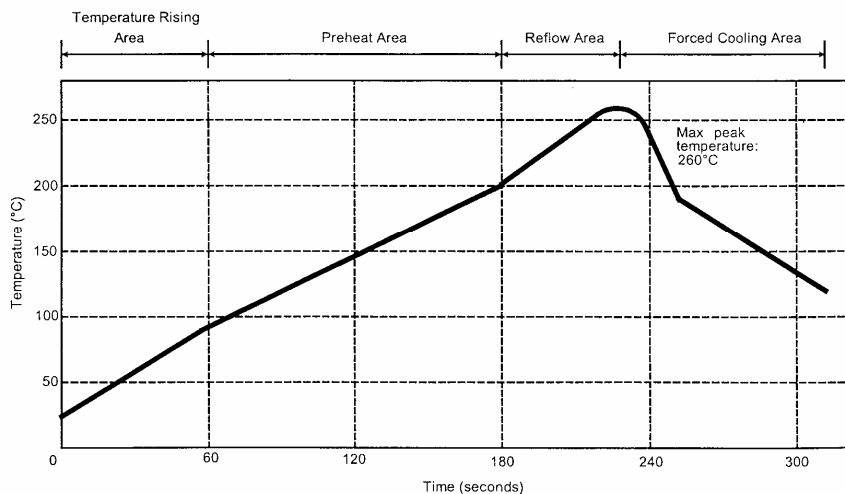
SMT TYPE - EDGE CARD.

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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

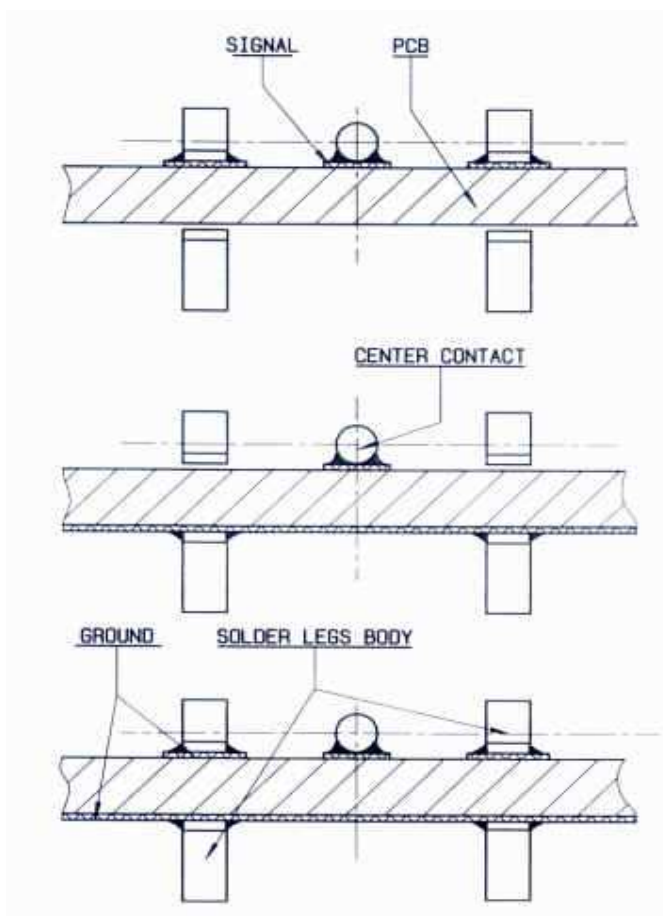
SMT TYPE - EDGE CARD.

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

Issue : 1149 A

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