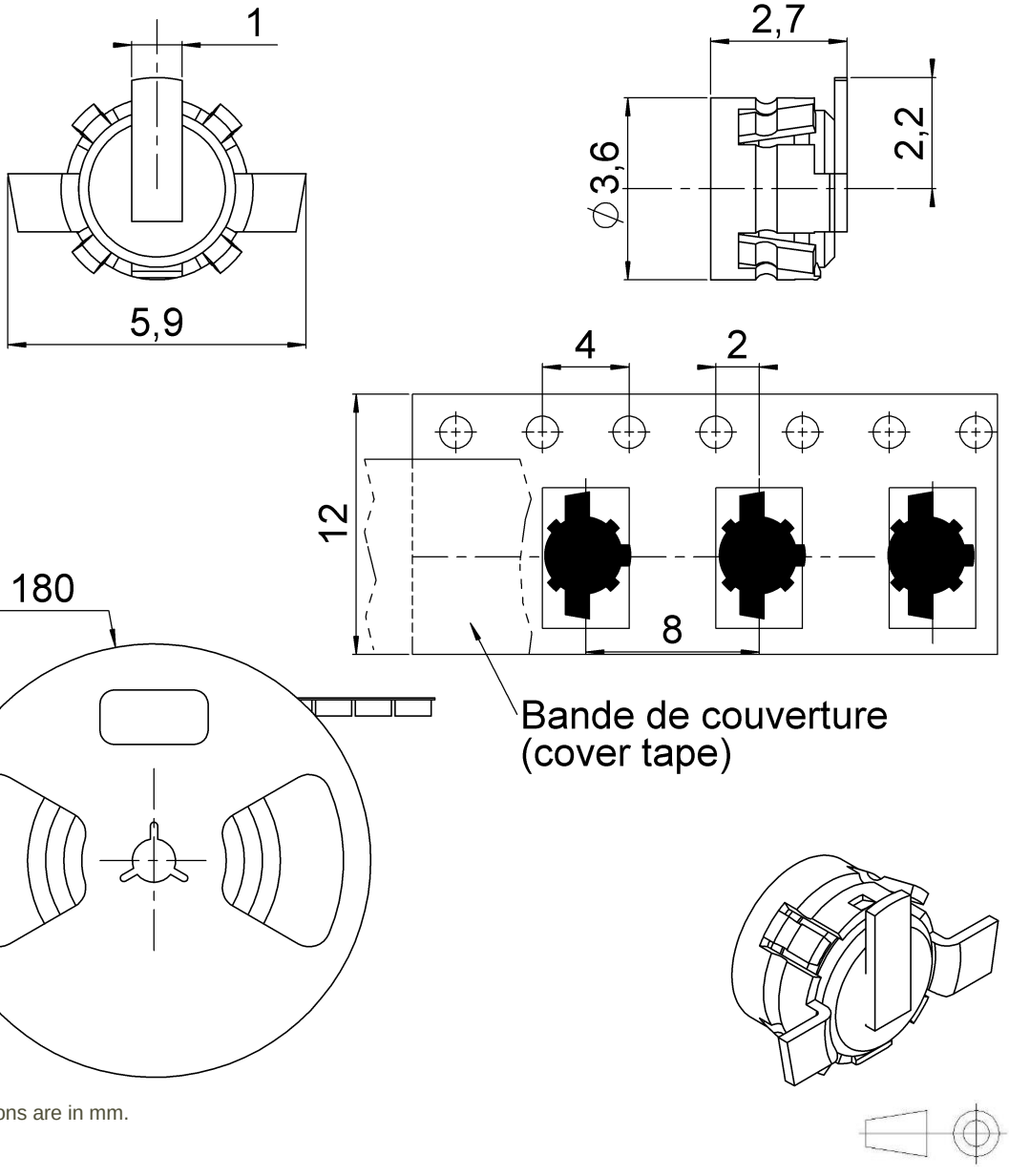
# Technical Data Sheet

STRAIGHT JACK RECECPTACLE SMT TYPE - GOLD 0.2 - REEL OF 100

| PAGE 1/4 | ISSUE 10-11-15A | SERIES MMT | PART NUMBER R210408012 |
|---|---|---|---|




All dimensions are in mm.

| COMPONENTS | MATERIALS | PLATING (µm) |
|---|---|---|
| Body | **PHOSPHOR BRONZE** | **GOLD 0.2 OVER NICKEL 2** |
| Center contact | **BRASS** | **GOLD 0.2 OVER NICKEL 2** |
| Outer contact | **PHOSPHOR BRONZE** | **GOLD 0.2 OVER NICKEL 2** |
| Insulator | **PTFE** | |
| Gasket | **-** | |
| Others parts | **-** | **-** |
| - | **-** | **-** |
| - | **-** | **-** |

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## PACKAGING

| Standard | Unit | Other |
|---|---|---|
| **100** | **Contact us** | **Contact us** |

## ELECTRICAL CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Impedance | | | **50** | Ω |
| Frequency | | | **0-8** | GHz |
| VSWR | **1.10** | **+** | **0,0500** | x F(GHz) Maxi |
| Insertion loss | | | **0.20** | √F(GHz) dB Maxi |
| RF leakage | | - ( | **NA** | - F(GHz)) dB Maxi |
| Voltage rating | | | **170** | Veff Maxi |
| Dielectric withstanding voltage | | | **500** | Veff mini |
| Insulation resistance | | | **5000** | MΩ mini |

## MECHANICAL CHARACTERISTICS

| | | |
|---|---|---|
| Center contact retention | | |
| Axial force – Mating End | **NA** | 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 | **0,1000** | g |

## ENVIRONMENTAL

| | | |
|---|---|---|
| Operating temperature | **-55/+100** | °C |
| Hermetic seal | **NA** | Atm.cm3/s |
| Panel leakage | **NA** | |

## SPECIFICATION

## OTHER CHARACTERISTICS

Assembly instruction:

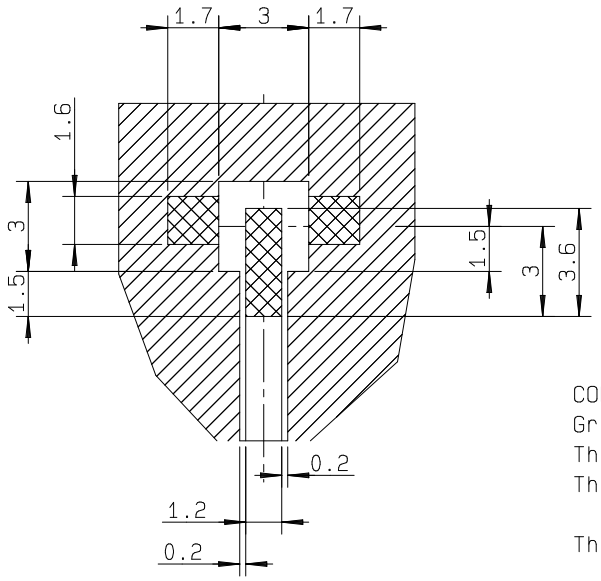
Others:
**accouplt : 18Nmax / desacc. : 7Nmin**

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# MMT SERIES - INFORMATION

ALL DIMENSIONS IN MM




Pattern

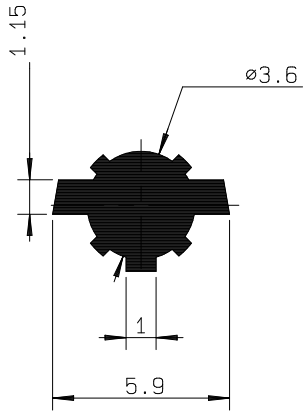
Land for solder paste

COPLANAR LINE
Ground and signal are on the same side
Thickness of PCB : 1 mm
The material of PCB is glass-epoxy composite.(Er = 4.8)
The solder resist should be printed except for the land pattern on the PCB.

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ALL DIMENSIONS IN MM

## SHADOW OF MMT RECEPTACLE FOR VIDEO CAMERA




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## SOLDER PROCEDURE OF MMT RECEPTACLE
## IN INDUSTRIAL ENVIRONMENT

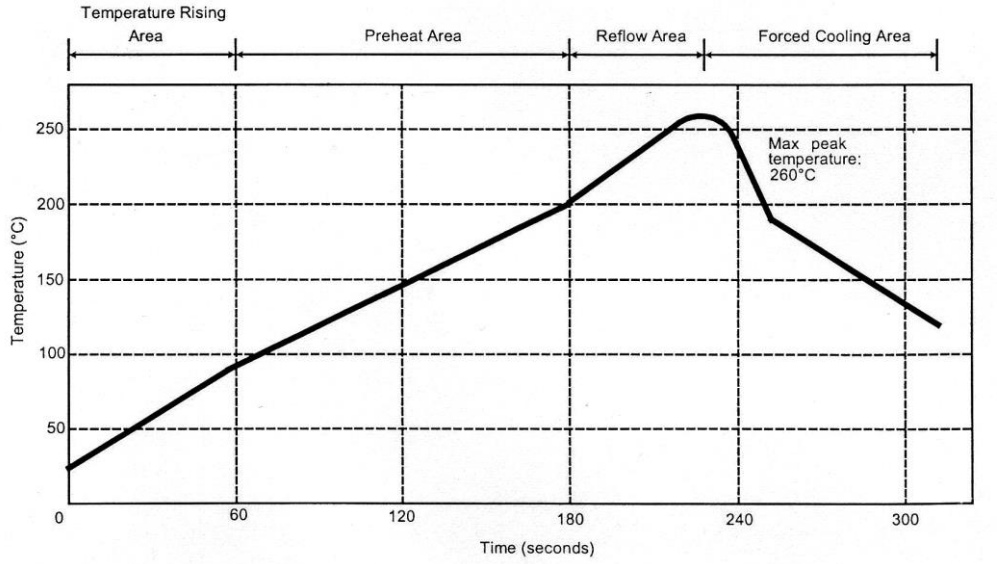
1 – Deposition of solder paste Sn Ag4 Cu0.5 on mounting zone by screen printing application.
We recommend a Low Residue Solid Flux.
We advise a thickness of 200 microns (7.800 microinches). Verify that the edges of the prined zone are clean.

2 – Placement of the receptacle on the mounting zone with an automatic machine of « pick and place » type.
A video camera is recommanded for positioning of the component. (see page 3)
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 – Verification of solder joints and position of the component by visual inspection




| Parmeter | 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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