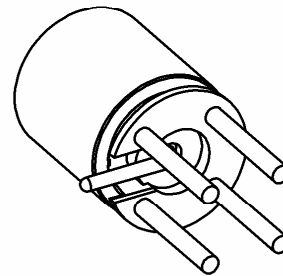
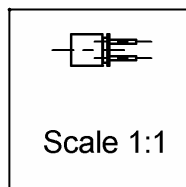
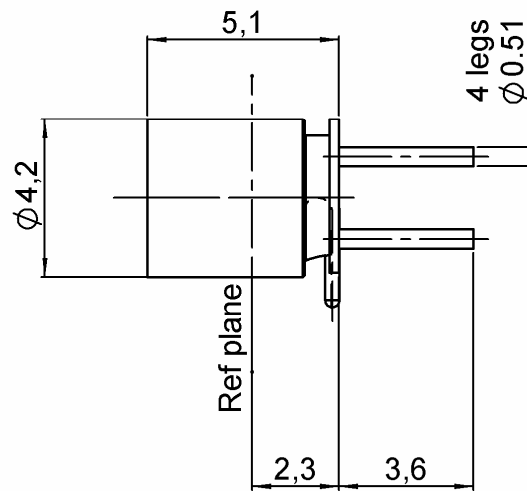
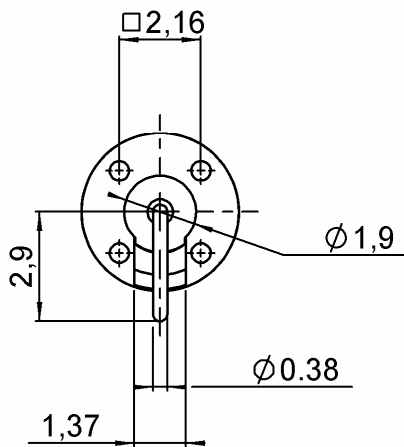


**MALE STRAIGHT RECEPTACLE FOR PCB**

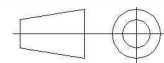
**PIN IN PASTE - LIMITED DETENT**

**R222.428.300**

Series : SMP



All dimensions are in mm.



| COMPONENTS     | MATERIALS               | PLATINGS (μm)                       |
|----------------|-------------------------|-------------------------------------|
| BODY           | STAINLESS STEEL + BRASS | PASSIVATED + GOLD 0.5 OVER NICKEL 2 |
| CENTER CONTACT | BERYLLIUM COPPER        | GOLD 1.27 OVER NICKEL 1.27          |
| OUTER CONTACT  | -                       | -                                   |
| INSULATOR      | PTFE                    | -                                   |
| GASKET         | -                       | -                                   |
| OTHERS PARTS   | -                       | -                                   |
| -              | -                       | -                                   |
| -              | -                       | -                                   |

Issue : 0914 C

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



**MALE STRAIGHT RECEPTACLE FOR PCB****R222.428.300****PIN IN PASTE - LIMITED DETENT**

Series : SMP

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>100</b> | <b>'W' option</b> | <b>Contact us</b> |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                                 |                       |                                |
|---------------------------------|-----------------------|--------------------------------|
| Impedance                       | <b>50</b>             | $\Omega$                       |
| Frequency                       | <b>0-18</b>           | GHz                            |
| VSWR                            | <b>1.15* + 0,0000</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.12</b>           | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | <b>NA</b>             | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>335</b>            | Veff Maxi                      |
| Dielectric withstanding voltage | <b>500</b>            | Veff mini                      |
| Insulation resistance           | <b>5000</b>           | M $\Omega$ mini                |

**ENVIRONMENTAL**

|                       |                 |                    |
|-----------------------|-----------------|--------------------|
| Operating temperature | <b>-65/+165</b> | $^{\circ}\text{C}$ |
| Hermetic seal         | <b>NA</b>       | Atm.cm3/s          |
| Panel leakage         | <b>NA</b>       |                    |

**OTHERS CHARACTERISTICS**

Assembly instruction

Others :

Compliant with MIL-STD-348

\*At 12.4GHz - performance strongly depends on lay out and pcb material

**MECHANICAL CHARACTERISTICS**

|                            |               |             |
|----------------------------|---------------|-------------|
| Center contact retention   |               |             |
| Axial force – Mating end   | <b>6.8</b>    | N mini      |
| Axial force – Opposite end | <b>6.8</b>    | N mini      |
| Torque                     |               | N.cm mini   |
| Recommended torque         |               |             |
| Mating                     | <b>NA</b>     | N.cm        |
| Panel nut                  | <b>NA</b>     | N.cm        |
| Mating life                | <b>500</b>    | Cycles mini |
| Weight                     | <b>0,3500</b> | g           |

Issue : 0914 C

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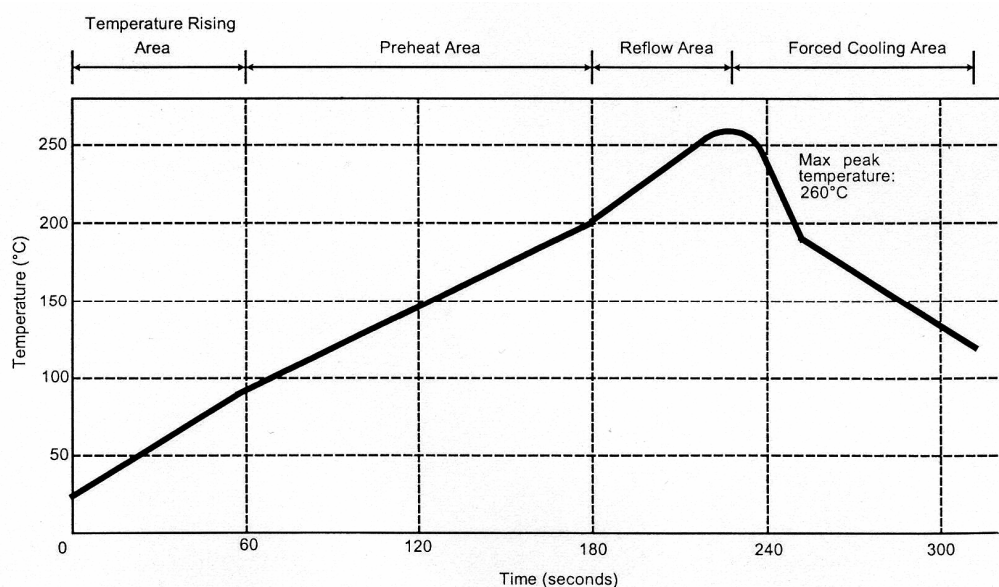


**MALE STRAIGHT RECEPTACLE FOR PCB****R222.428.300****PIN IN PASTE - LIMITED DETENT**

Series : SMP

**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 ( 5.85 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 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    |

**Issue : 0914 C**

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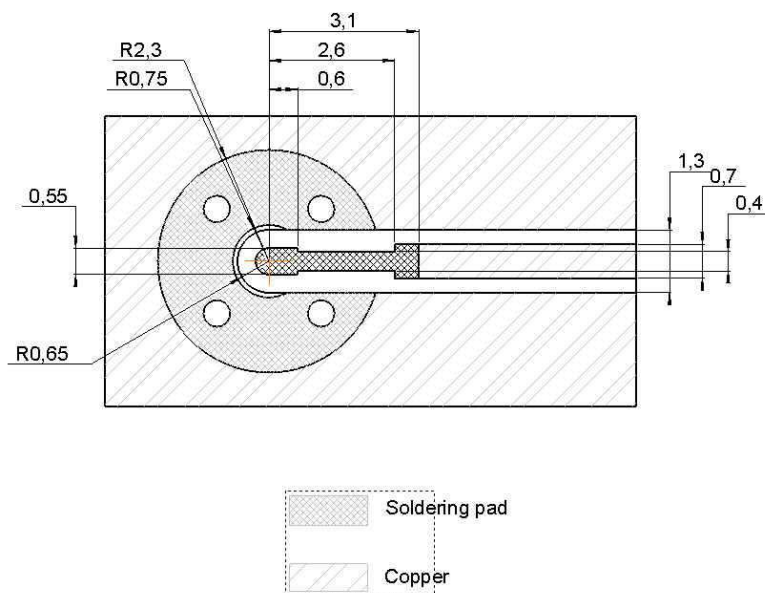
**MALE STRAIGHT RECEPTACLE FOR PCB****R222.428.300****PIN IN PASTE - LIMITED DETENT**

Series : SMP

**RECOMMENDED PAD DIMENSIONS:**

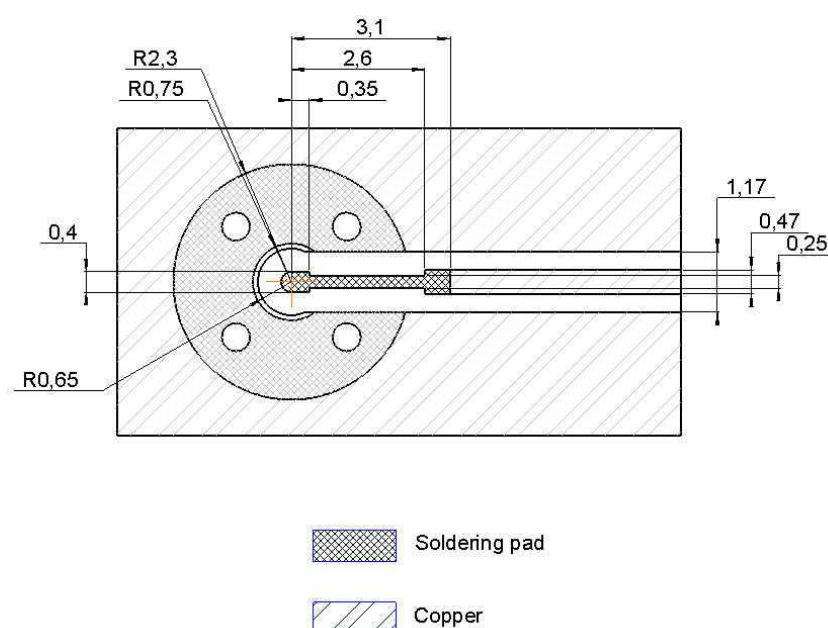
Substrate: RT5880 thickness 0.254mm, with copper layer 35 $\mu$ m on both sides :

Add vias between both sides along upper ground plane according to engineering practise



Substrate: RO4350 thickness 0.254mm, with copper layer 35 $\mu$ m on both sides :

Add vias between both sides along upper ground plane according to engineering practise



Issue : 0914 C

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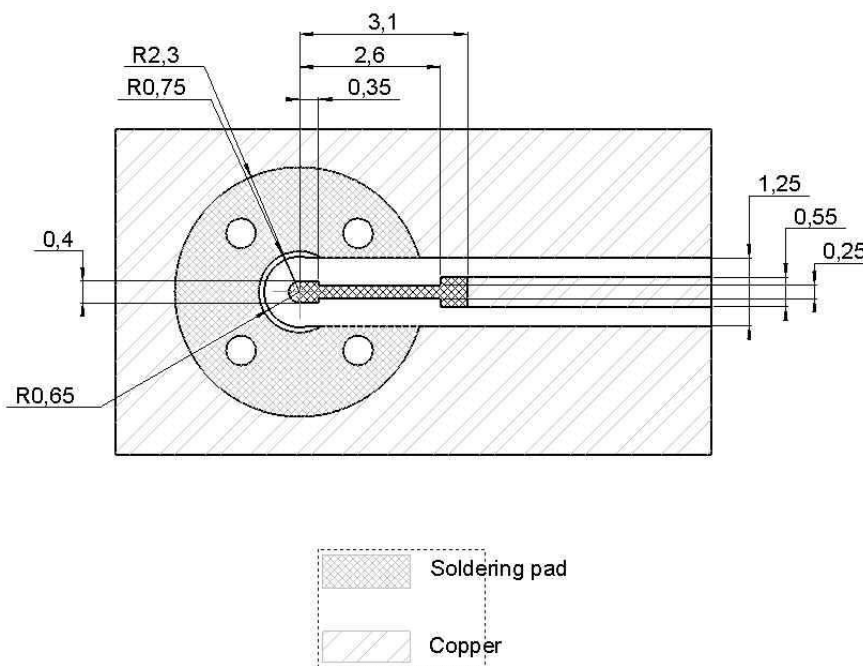
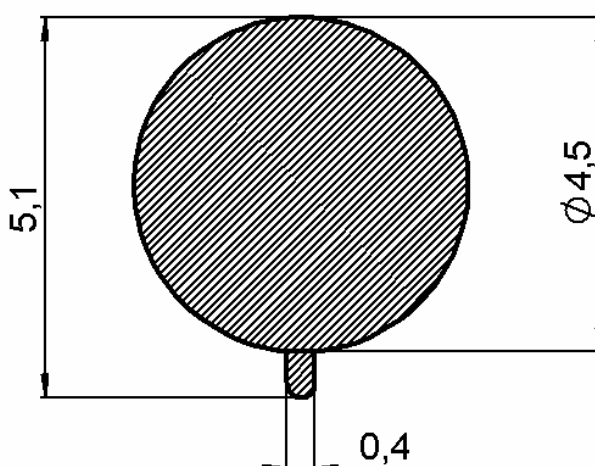


**MALE STRAIGHT RECEPTACLE FOR PCB****R222.428.300****PIN IN PASTE - LIMITED DETENT**

Series : SMP

Substrate: RO6002 thickness 0.254mm, with copper layer 35µm on both sides :

Add vias between both sides along upper ground plane according to engineering practise

**SHADOW FOR VIDEO CAMERA**

Issue : 0914 C

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



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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