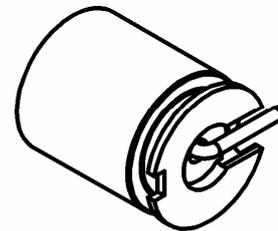
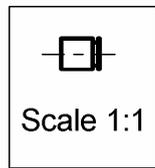
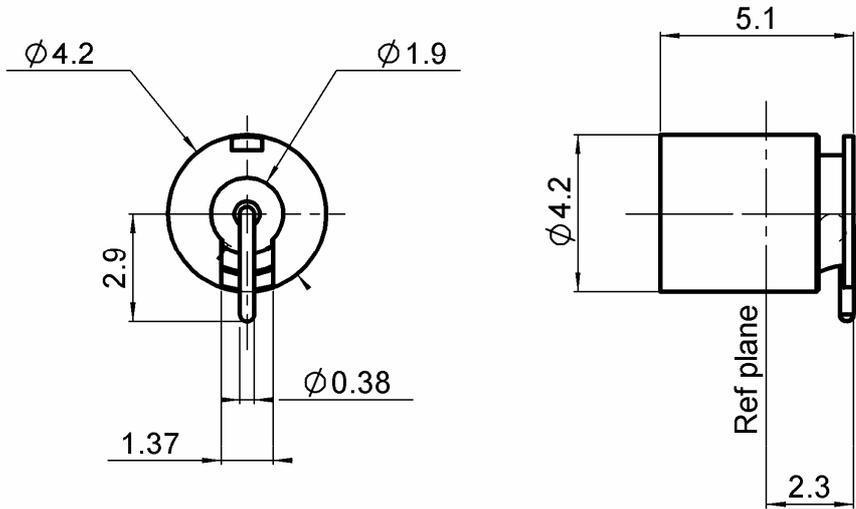


MALE STRAIGHT RECEPTACLE FOR PCB

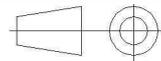
R222.508.000

SMT TYPE - FULL DETENT - REEL 500

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

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SMT TYPE - FULL DETENT - REEL 500

Series : SMP

PACKAGING

SPECIFICATION

Standard	Unit	Other
500	-	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

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

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

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	6.8	N mini
Axial force – Opposite end	6.8	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Mating life	100	Cycles mini
Weight	0,3200	g

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MALE STRAIGHT RECEPTACLE FOR PCB

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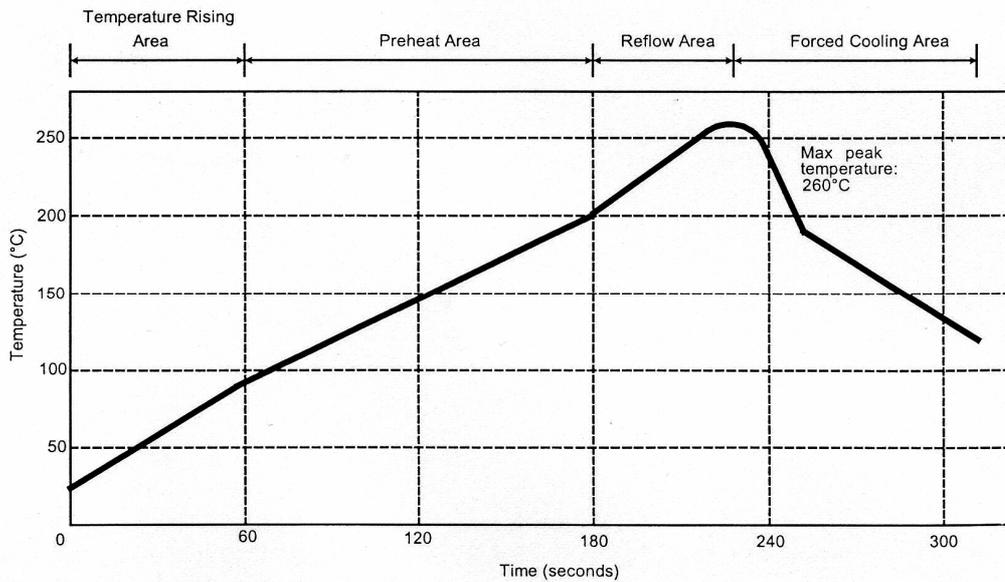
SMT TYPE - FULL DETENT - REEL 500

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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 µm. 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

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MALE STRAIGHT RECEPTACLE FOR PCB

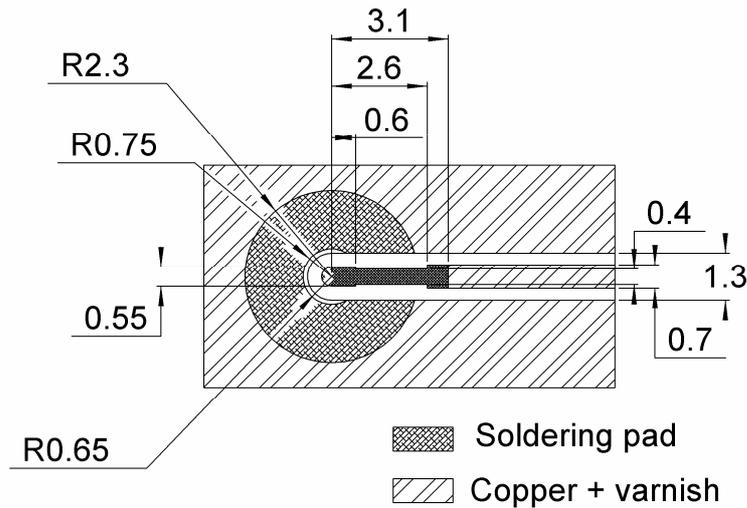
R222.508.000

SMT TYPE - FULL DETENT - REEL 500

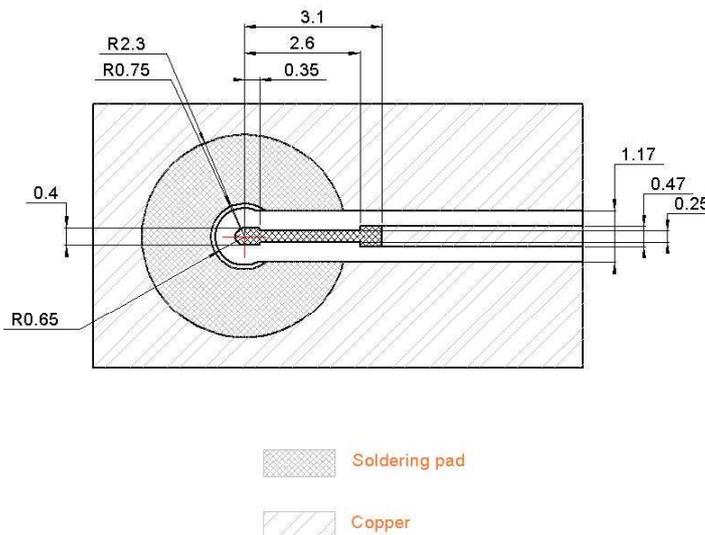
Series : SMP

RECOMMENDED PAD DIMENSIONS:

Substrate: RT5880 thickness 0.254mm, with copper layer 35µm on both sides:
Add vias between both sides along upper ground plane according to engineering practise



Substrate: RO4350 thickness 0.254mm, with copper layer 35µm on both sides:
Add vias between both sides along upper ground plane according to engineering practise



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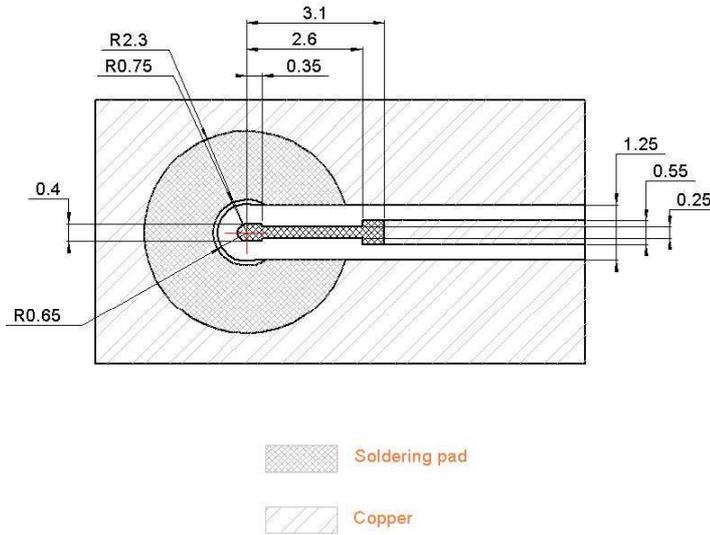
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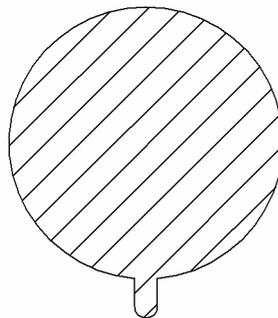
SMT TYPE - FULL DETENT - REEL 500

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 OF
THE RECEPTACLE



FOR VIDEO CAMERA

Issue : 0914 C

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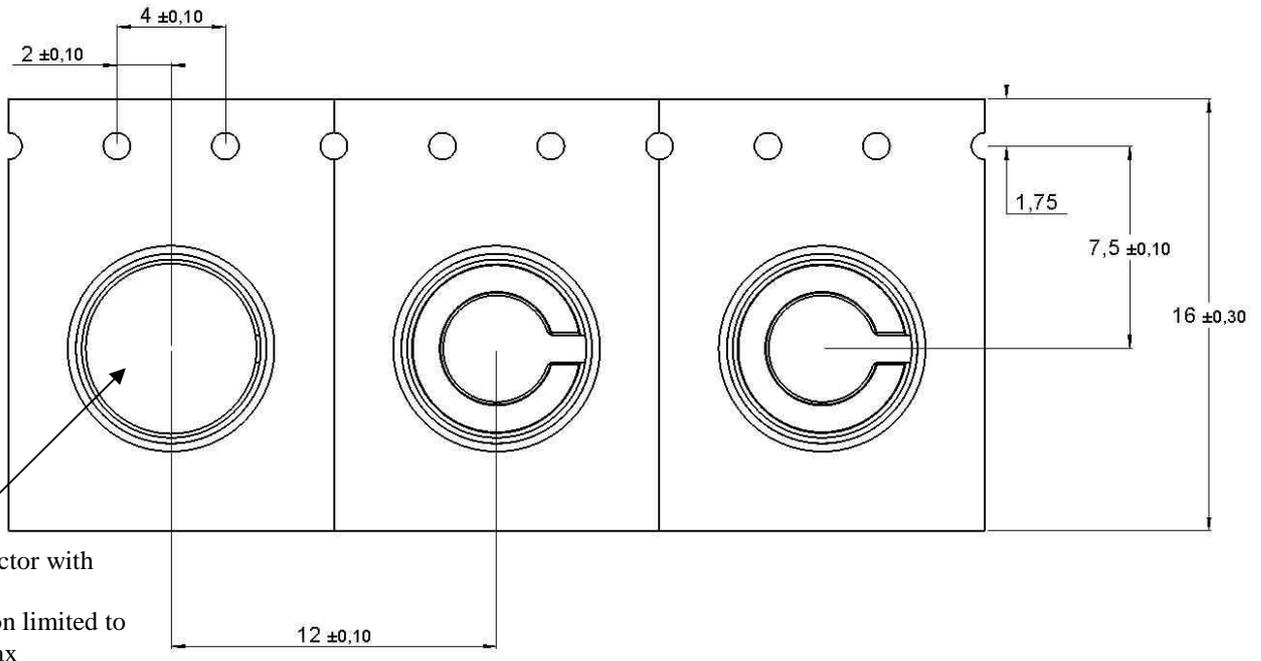
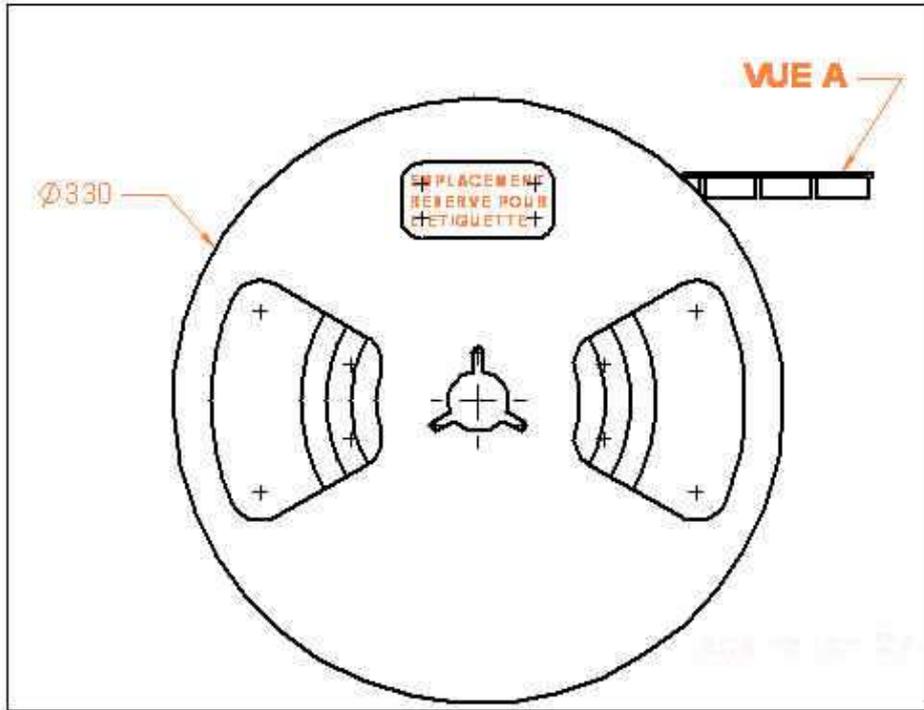


MALE STRAIGHT RECEPTACLE FOR PCB

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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