SMT RECEPTACLE FOR PCB

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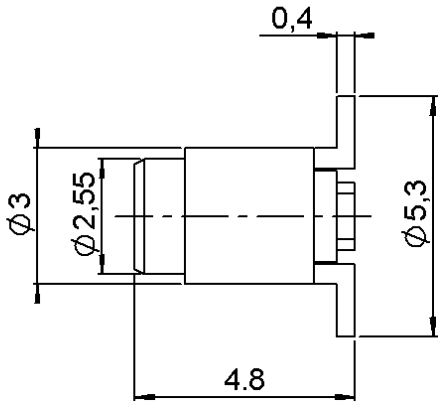
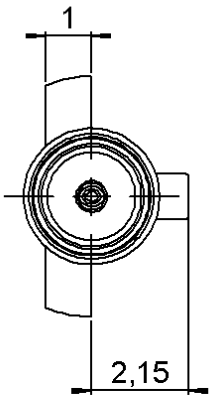
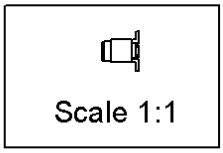
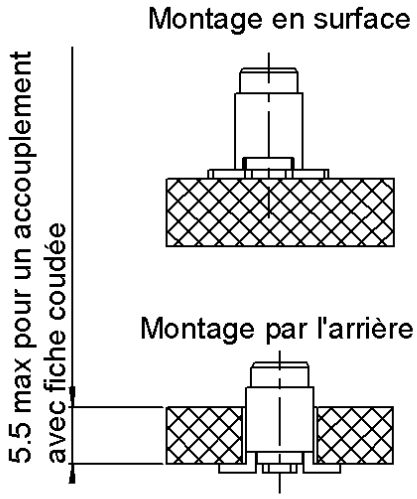
R199.005.523

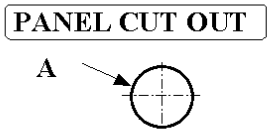
Series : **MC-CARD**







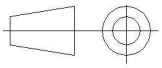




	mm	
	Maxi	mini
A	3.40	3.20

Uniquement pour montage arrière

All dimensions are in mm.



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

Issue : 0430 D

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

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SMT RECEPTACLE FOR PCB

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R199.005.523

Series : **MC-CARD**

PACKAGING

Standard	Unit	Other
1	-	**Contact us**

SPECIFICATION

917 686 82

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-8**	GHz
VSWR	**1.15** +	**0.015**	x F(GHz) Maxi
Insertion loss		**.07**	√F(GHz) dB Maxi
RF leakage	- (		- F(GHz)) dB Maxi
Voltage rating		**170**	Veff Maxi
Dielectric withstanding voltage		**500**	Veff mini
Insulation resistance		**5000**	MΩ mini

ENVIRONMENTAL

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

OTHERS CHARACTERISTICS

Assembly instruction

Others :

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	**0.153**	g

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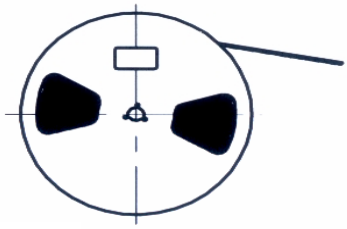
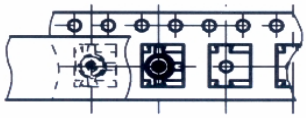
R199.005.523

Series : **MC-CARD**

MC-CARD SERIES - INFORMATIONS

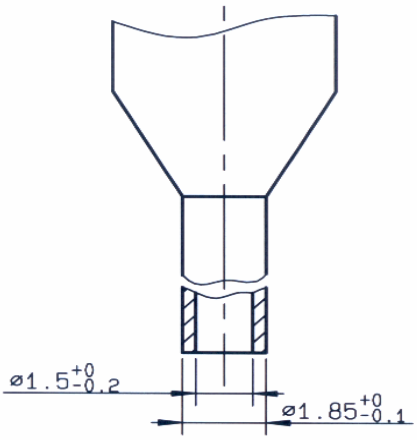
R199.005.820
Ou
R199.005.821



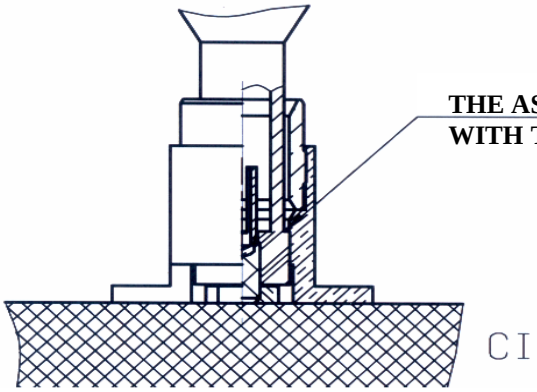


ASPIRATION PORT

ALVEOLES



TRANSLATION OF THE RECEPTACLE FROM THE REEL TO THE PCB



THE ASPIRATION PORT SHOULD BE IN CONTACT WITH THE INSULATOR

PCB

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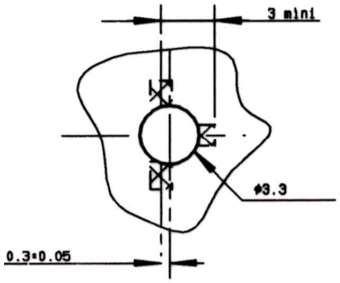
Series : **MC-CARD**

MC-CARD SERIES - INFORMATIONS

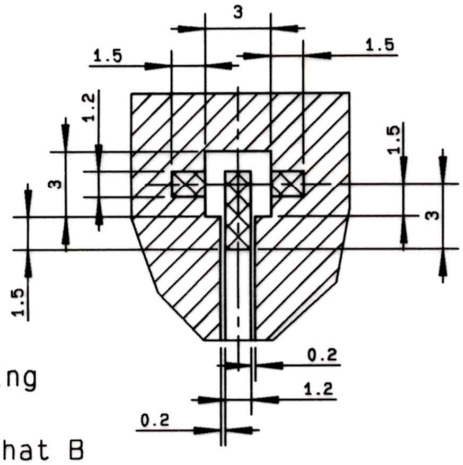
Solution A



receptacle back planting

Same printed circuit that B
+ DIA 0.13

Solution B



Solution B

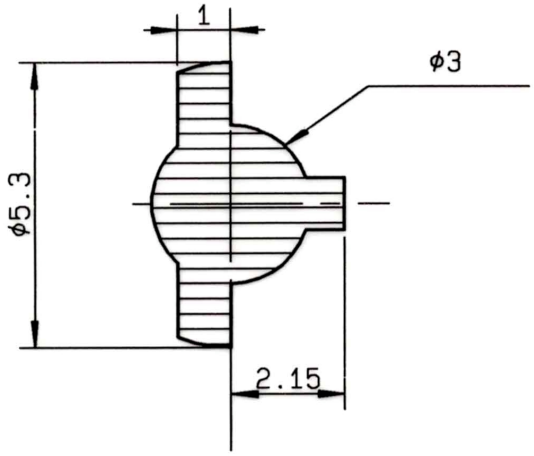
Pattern

Land for solder paste

Solution A

COPLANAR LINE
Pattern and signal are on the same side
Thickness of PCB : .063 (1.6 mm)
The material of PCB is the epoxy resin
of glass fabrics bacs.(Er = 4.8)
The solder resist should be printed
exept for the land pattern on the PCB.

SHADOW OF MC-CARD RECEPTACLE FOR VIDEO CAMERA



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Series : **MC-CARD**

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 200 microns. Verify that the edges of the zone are clean.

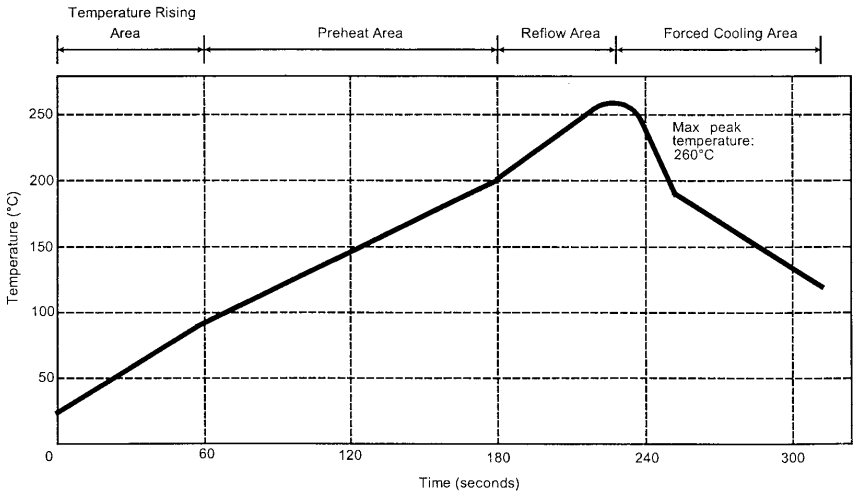
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.
   Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.

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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