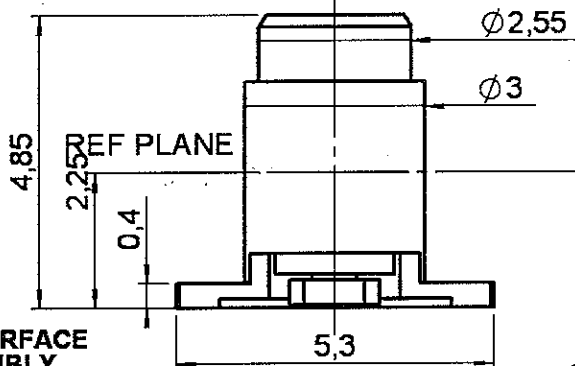
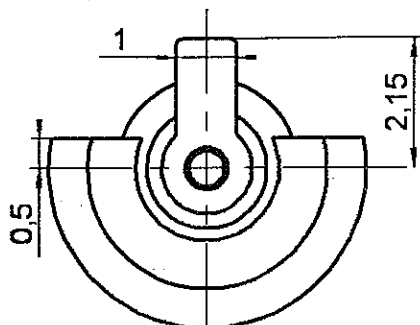


SMT RECEPTACLE

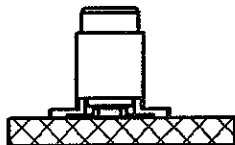
R199.005.820

REEL OF 100

Series : MC-CARD



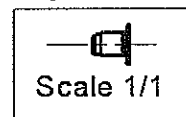
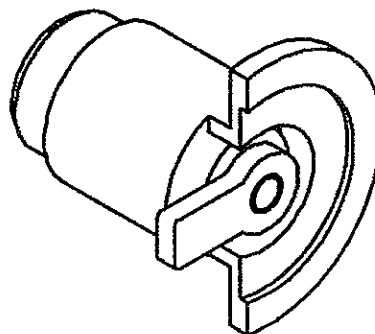
**MONTAGE EN SURFACE
SURFACE ASSEMBLY**



**MONTAGE PAR L'ARRIERE
AVC PERCEGE $\phi 3.2 \pm 0.1$
BACK ASSEMBLY
WITH $\phi 3.2 \pm 0.1$**



5.5 max pour un accouplement
avec une fiche coudee
5.5 max for coupling
with right angle plug



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	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0420 A

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



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REEL OF 100

Series : MC-CARD

PACKAGING

SPECIFICATION

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

Impedance		50 Ω
Frequency		0-8 GHz
VSWR	1.15 +	0.015 x F(GHz) Maxi
Insertion loss		0.07 √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

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		0 Cycles mini
Weight		0.160 g

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REEL OF 100

Series : MC-CARD

MC-CARD SERIES – INFORMATIONS

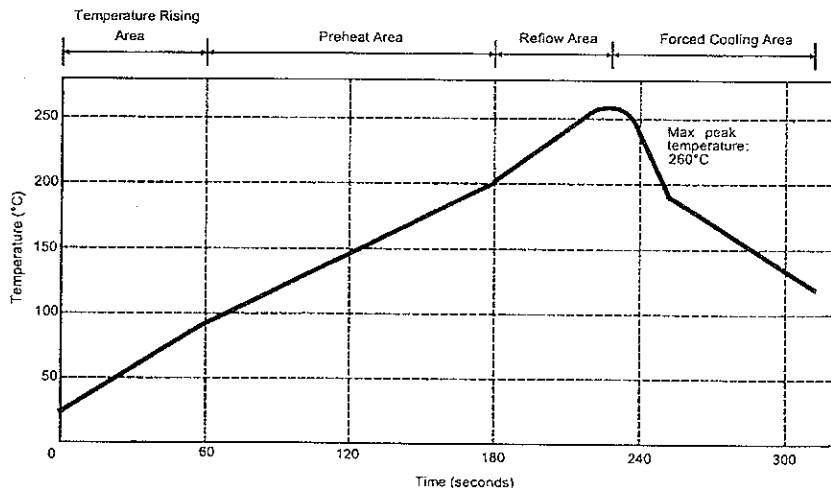
SOLDER PROCEDURE OF MC-CARD RECEPTACLES IN INDUSTRIAL ENVIRONMENT

1. Deposit solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux.
We advise a thickness of 150 micromm (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.

A video camera is recommended for positioning of the component.

Adhesive agents must not be used on the receptacle.
3. This process of soldering has been tested with convection oven.
Below please find, the typical profile to use.
4. The cleaning of printed circuit boards is not obliged.
5. Verification 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 : 0420 A

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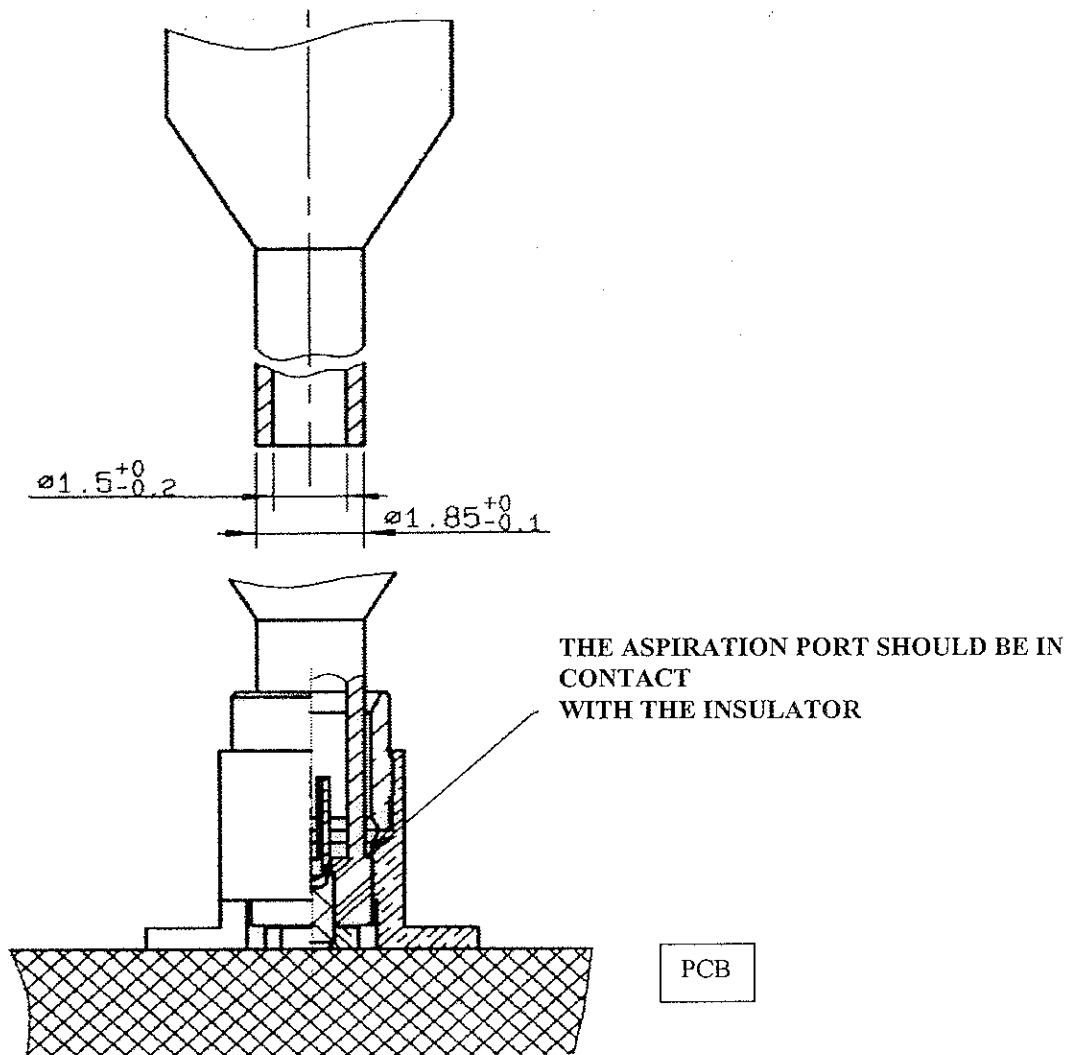
REEL OF 100

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Series : MC-CARD

MC-CARD SERIES - INFORMATIONS

ASPIRATION PORT



Issue : 0420 A

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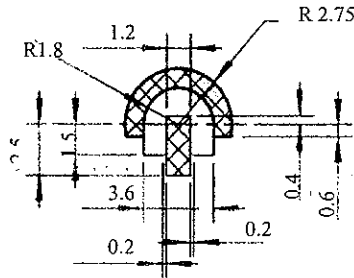
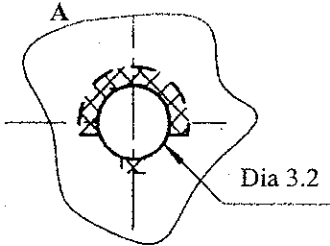
REEL OF 100

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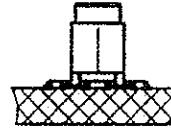
Series : MC-CARD

MC-CARD SERIES -

SOLUTION



SOLUTION B



Pattern



Land for solder paste

Receptacle back planting

Same printed circuit that B + Dia 0.13

SOLUTION



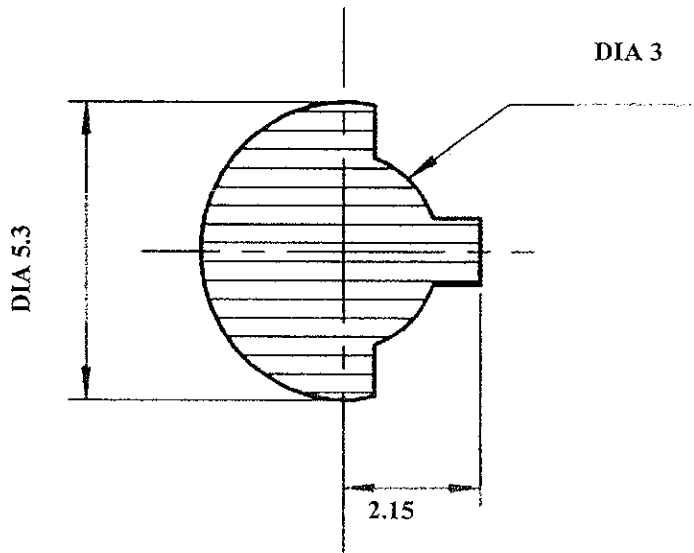
COPLANAR LINE

Pattern and signal are on the same side

Thickness of PCB is the epoxy resin of glass fabric bacs(Er=4.8)

The solder resist should be printed except for the land pattern on the PCB

SHADOW OF MC-CARD RECEPTACLE FOR VIDEO CAMERA



Issue : 0420 A

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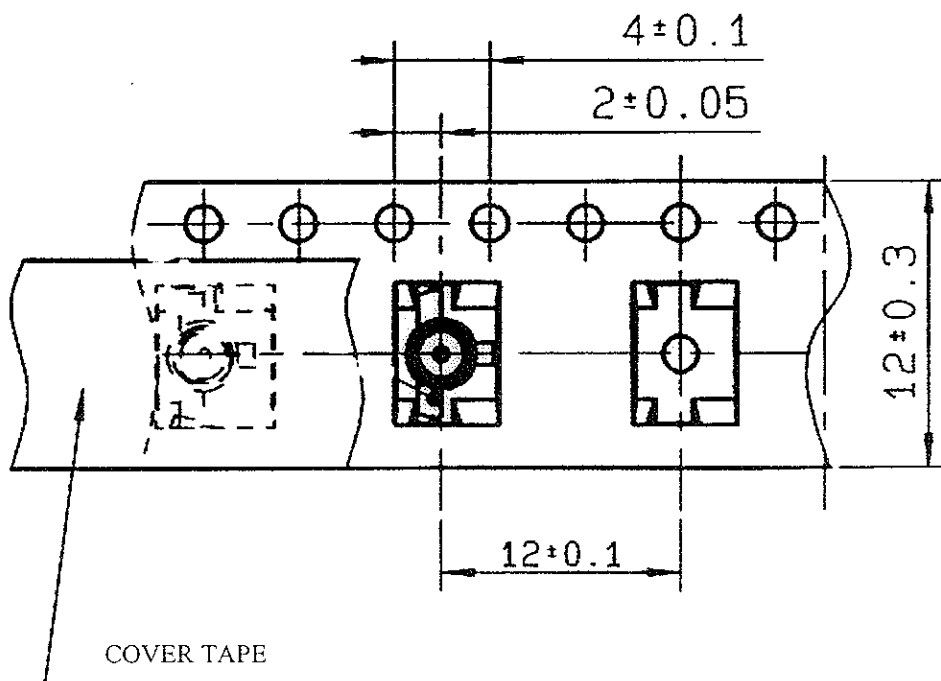
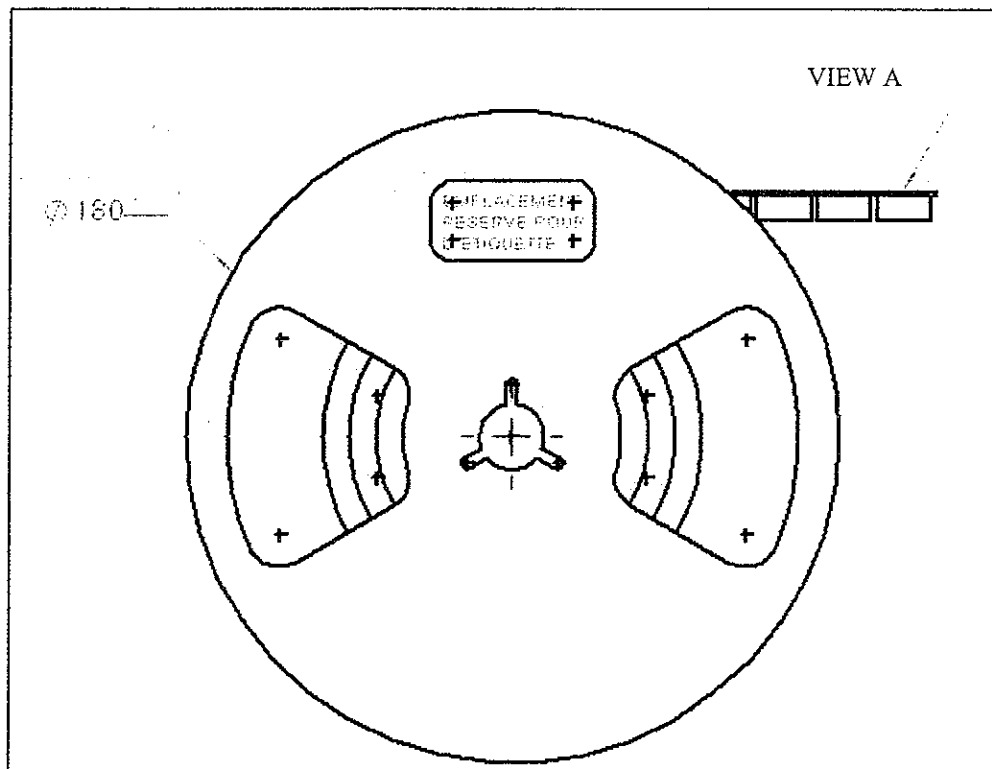
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Series : MC-CARD

MC-CARD SERIES INFORMATION



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