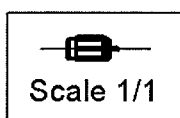
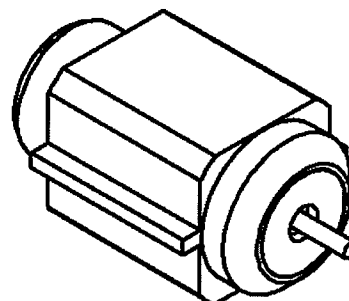
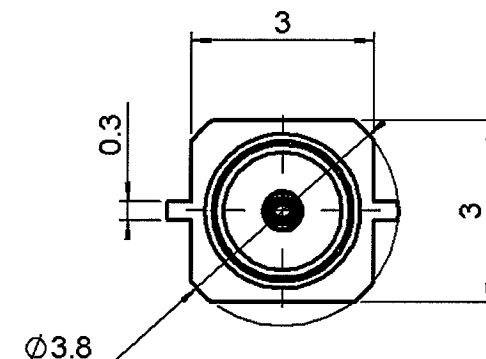
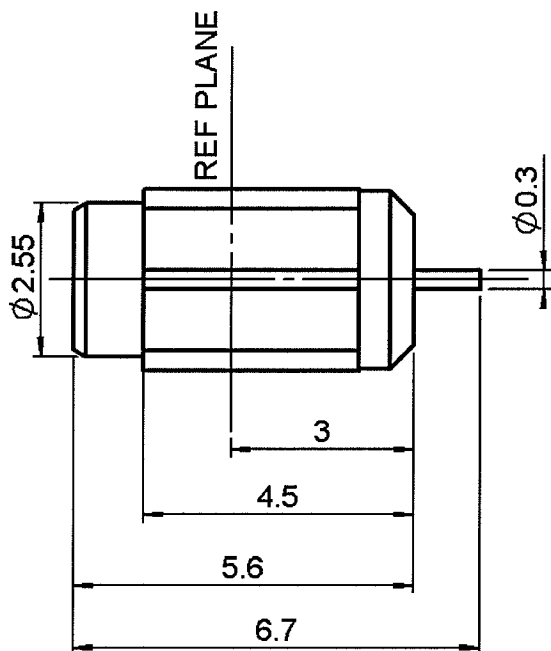


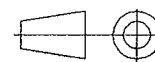
**EDGE-CARD RECEPTACLES REEL OF 1800**

**R199.005.801**

Series : MC-CARD



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRASS	GOLD 0.2 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 0.8 OVER NICKEL 2
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0420 E

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



**EDGE-CARD RECEPTACLES REEL OF 1800**

**R199.005.801**

Series : MC-CARD

PACKAGING

SPECIFICATION

Standard	Unit	Other
1800	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

ENVIRONMENTAL

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

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

OTHERS CHARACTERISTICS

Assembly instruction

Others :

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	<b>10</b> N mini
Axial force – Opposite end	<b>10</b> N mini
Torque	NA N.cm mini
Recommended torque	
Mating	NA N.cm
Panel nut	NA N.cm
Mating life	<b>5000</b> Cycles mini
Weight	<b>0.270</b> g

Issue : 0420 E

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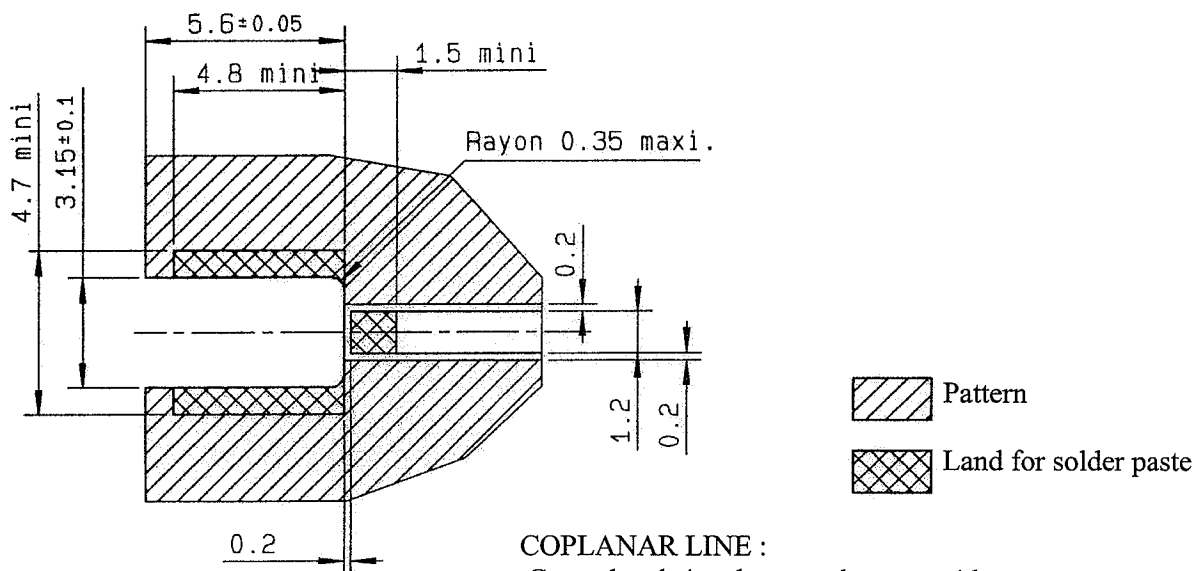


**EDGE-CARD RECEPTACLES REEL OF 1800**

**R199.005.801**

Series : MC-CARD

**INFORMATIONS**



**COPLANAR LINE :**

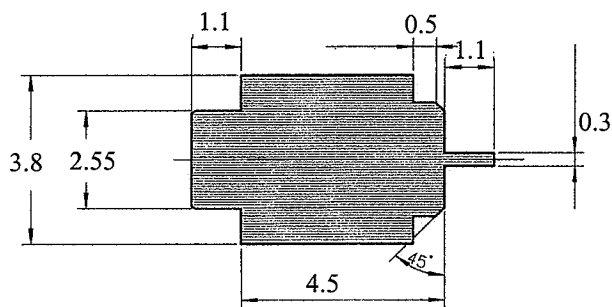
Ground and signal are on the same side

Thickness of PCB : 1 mm

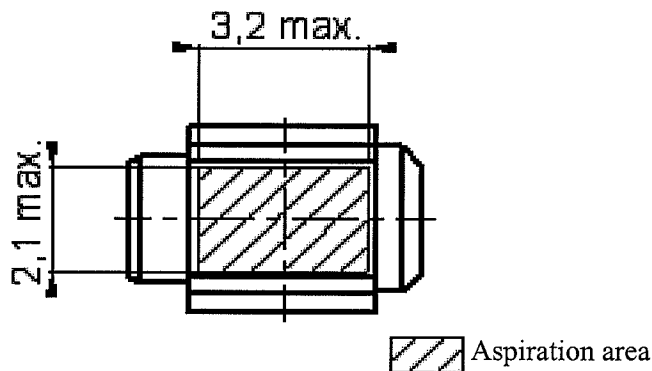
The material of PCB is glass-epoxy composite. ( $\epsilon_r = 4.8$ )

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

**SHADOW OF RECEPTACLE FOR VIDEO CAMERA**



**ASPIRATION AREA**



Issue : 0420 E

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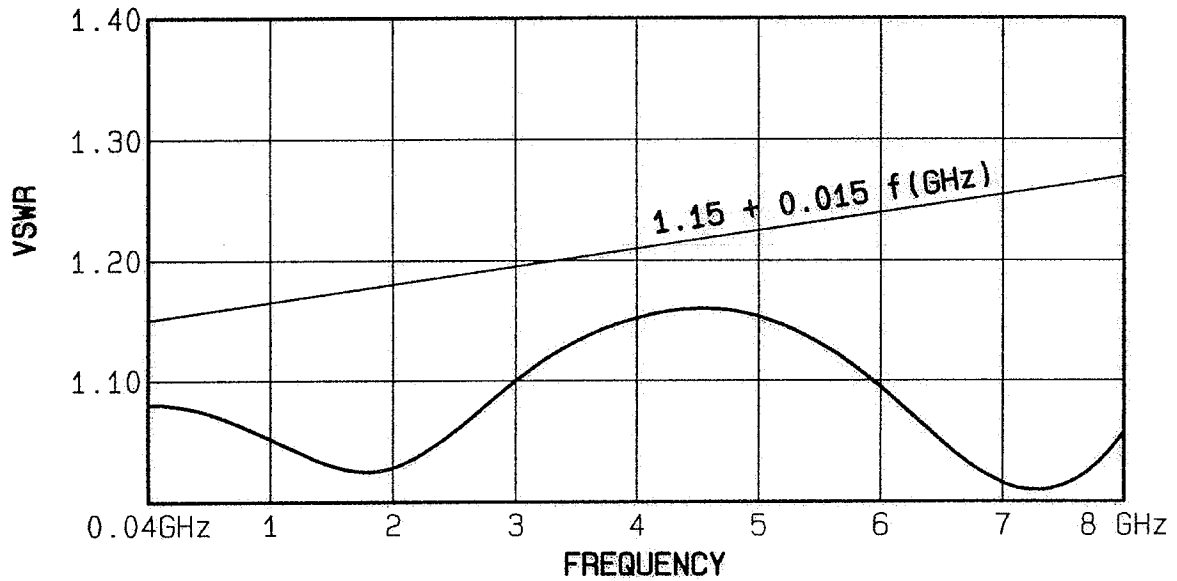


EDGE-CARD RECEPTACLES REEL OF 1800

**R199.005.801**

Series : MC-CARD

R199 005 504  
 CONNECTED WITH  
 R199 005 200



Issue : 0420 E

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**EDGE-CARD RECEPTACLES REEL OF 1800**

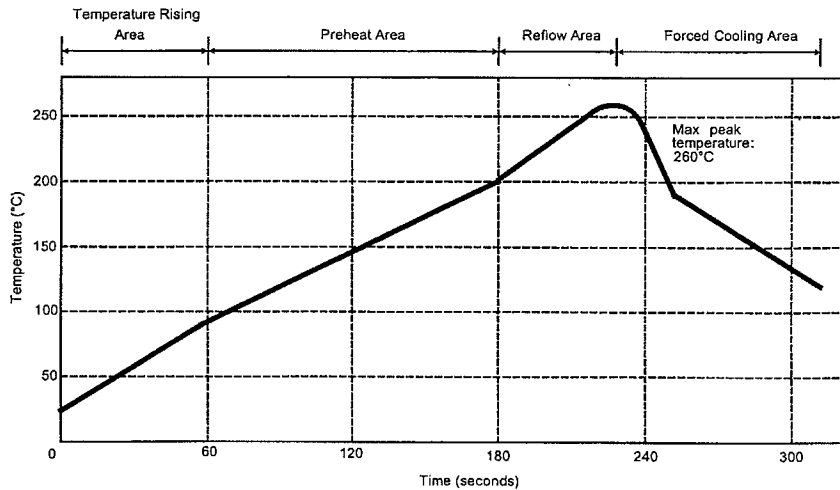
**R199.005.801**

Series : MC-CARD

**SOLDER PROCEDURE**

1. Deposition of solder paste 'SnAg4Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux.  
We advise a thickness of 150 microns ( 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. Video camera is recommended for the 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. Cleaning of printed circuit boards.
5. Checking of solder joints and position of the component by visual inspection.

**TEMPERATURE PROFILE**



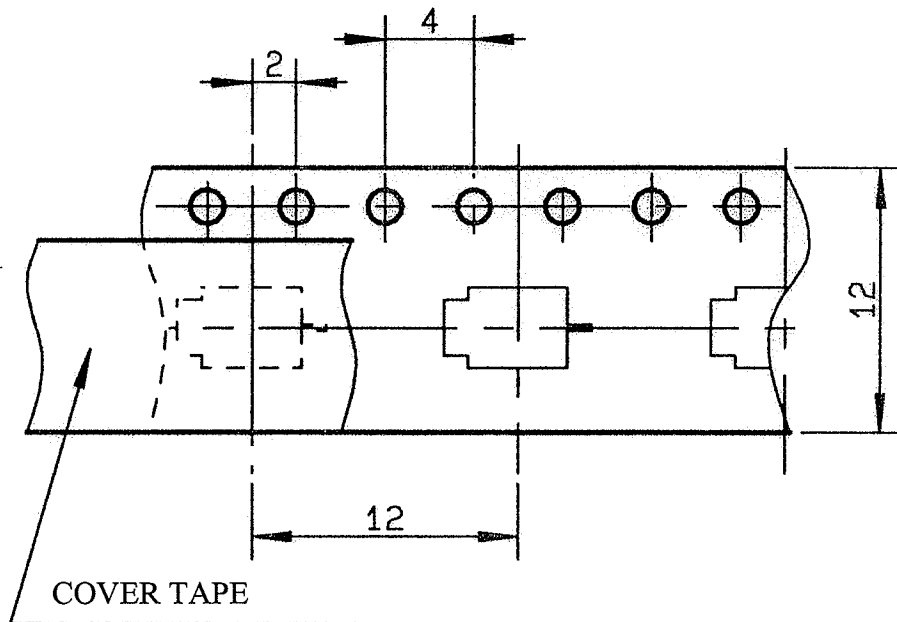
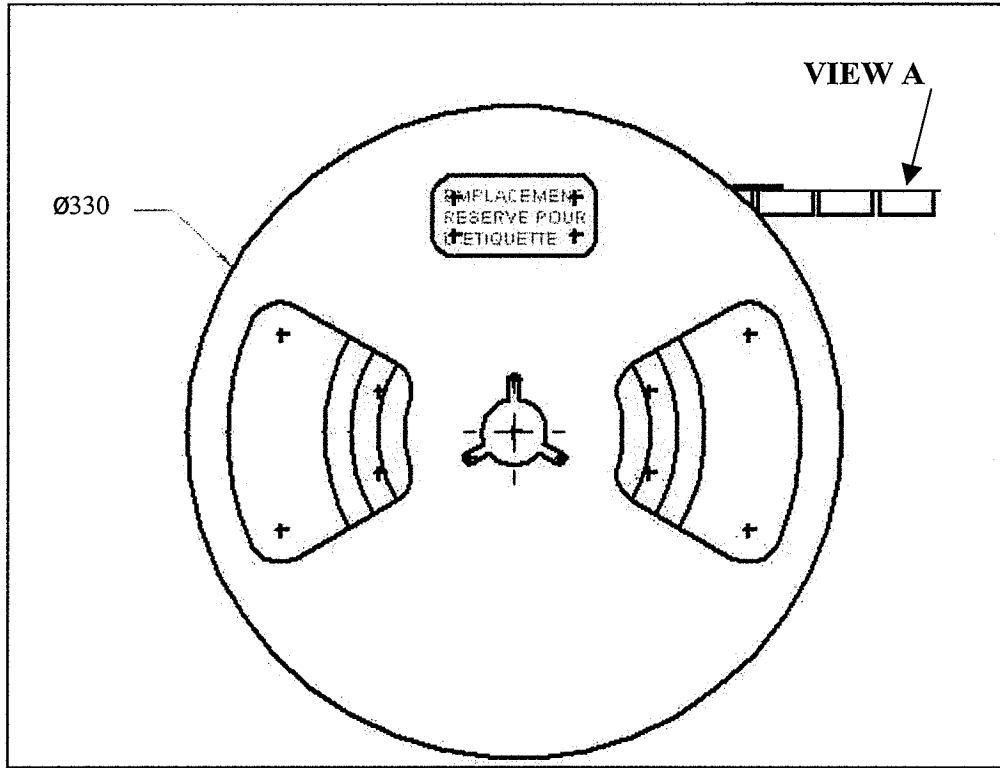
Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to -4	°C/sec
Max dwell time above 100°C	420	sec

Issue : 0420 E

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MC-CARD SERIES INFORMATION



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