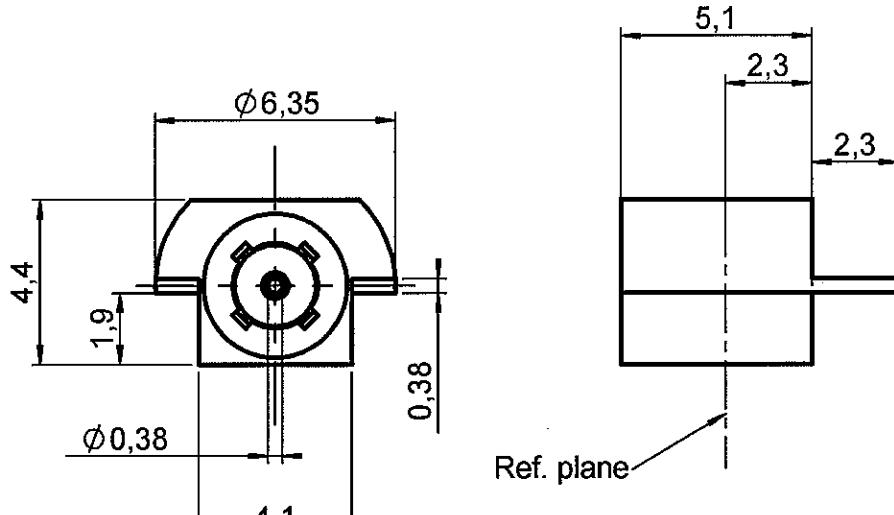


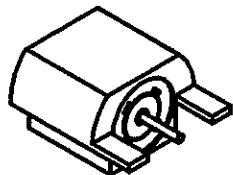
STRAIGHT MALE RECEPTACLE FOR PCB

SMT TYPE EDGE-CARD - SMOOTH BORE

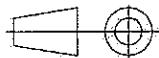
R222.423.720

Series : SMP



 Scale: 1/1


All dimensions are in mm.

PLATING (μm)

COMPONENTS	MATERIALS	PLATING (μm)
BODY	STAINLESS STEEL	GOLD 1.3 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.27 OVER NICKEL 1.27
OUTER CONTACT	-	-
INSULATOR	PTFE	-
GASKET	-	-
OTHERS PARTS	-	-
-	-	-
-	-	-

Issue : 0538 C

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

**RADIALL**®

STRAIGHT MALE RECEPTACLE FOR PCB

R222.423.720

SMT TYPE EDGE-CARD - SMOOTH BORE

Series : SMP

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATIONELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-12	GHz
VSWR	1.15*	+ 0.000 x F(GHz) Maxi
Insertion loss		0.12 $\sqrt{F(\text{GHz})}$ dB Maxi
RF leakage	- (- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	500	Veff mini
Insulation resistance	5000	MΩ mini

ENVIRONMENTAL

Operating temperature	-65/+165	°C
Hermetic seal	NA	Atm.cm ³ /s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

* Coaxial transmission line only

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	6.8 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	1000 Cycles mini
Weight	0.657 g

Issue : 0538 C

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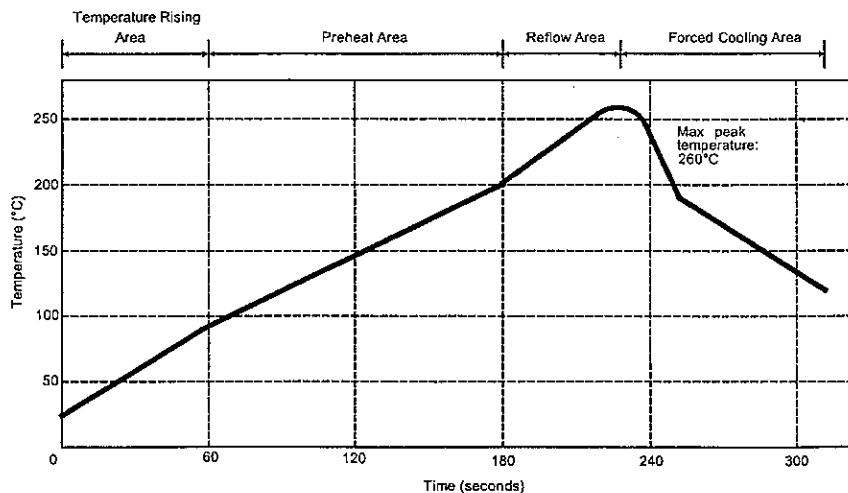


STRAIGHT MALE RECEPTACLE FOR PCB**R222.423.720****SMT TYPE EDGE-CARD - SMOOTH BORE**

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 (.5.9 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 : 0538 C

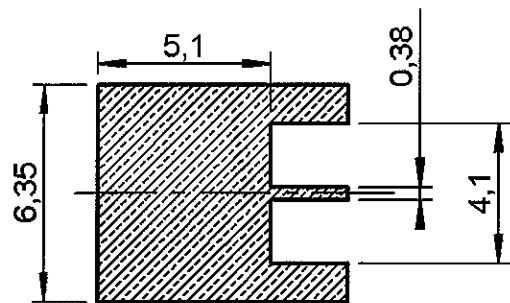
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necessary.**RADIALL®**

STRAIGHT MALE RECEPTACLE FOR PCB

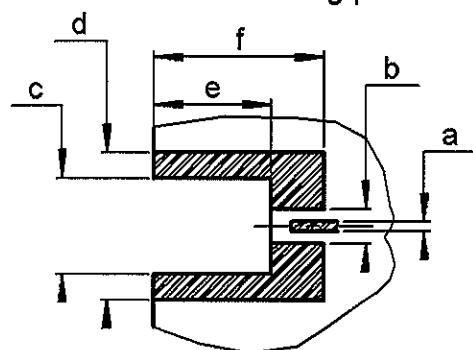
R222.423.720

SMT TYPE EDGE-CARD - SMOOTH BORE

Series : SMP

Shadow of receptacle
for video camera

PCB mounting pattern



a	0,48
b	1,5
c	4,18 - 4,32
d	6,5
e	4,95 - 5,45
f	7,52

Issue : 0538 C

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



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