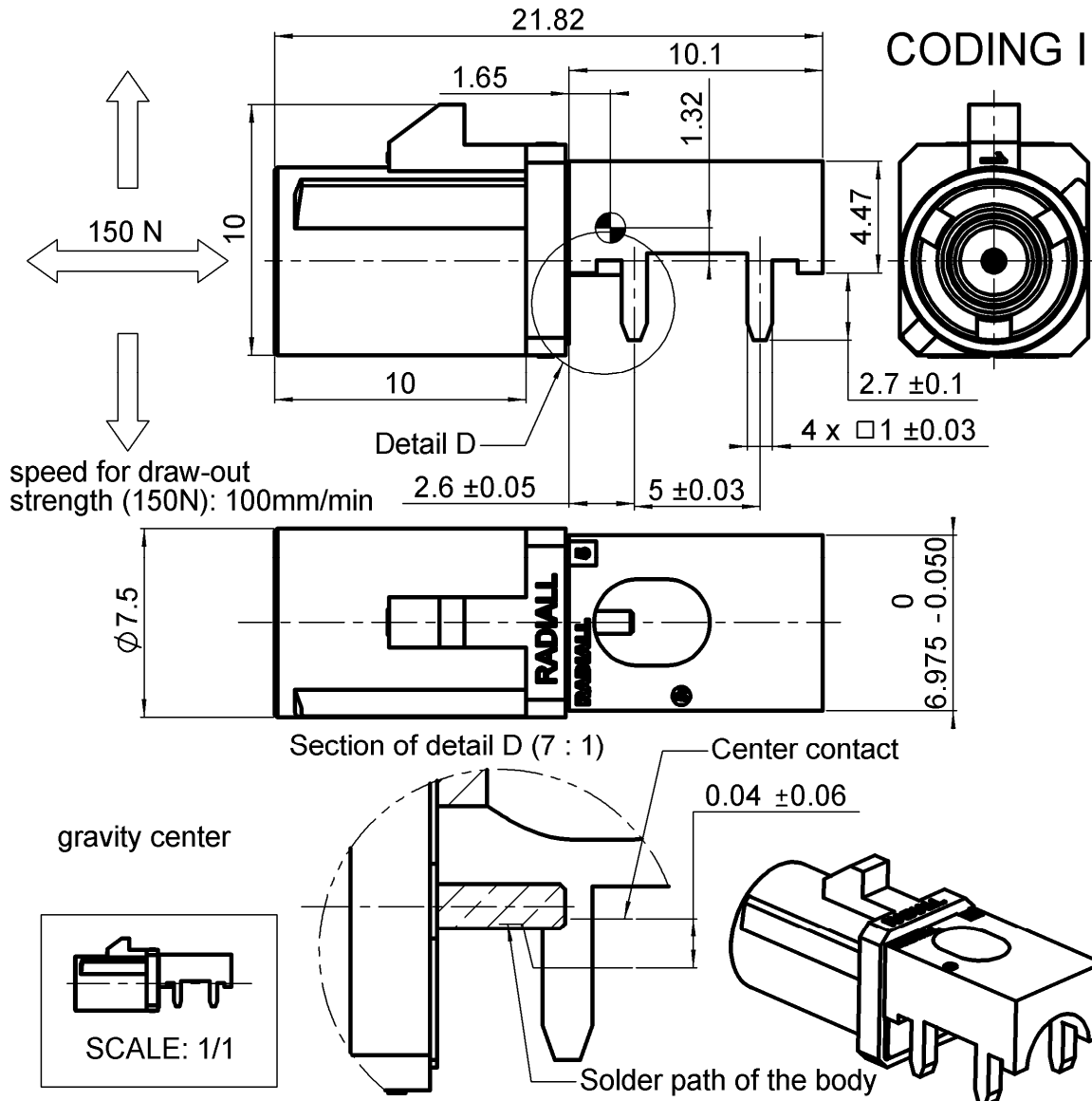


STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

R197.160.I18

Series : **SMB**
CARLOCK



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING	(μm)
BODY	ZINC ALLOY	TIN FOR HI TEMPERATURE	
CENTER CONTACT	BRASS	GOLD 0.5 OVER NICKEL 2	
OUTER CONTACT	-	-	
INSULATOR	PTFE	-	
GASKET	-	-	
OTHERS PARTS	-	-	
-	-	UL CLASSIFICATION	COLOR
HOUSING	PA 4.6 30%GF	UL 94 V2	BEIGE RAL 1001
		* According to FAKRA specification	

Issue : 0943 C

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STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

R197.160.I18

Series : **SMB**
CARLOCK

PACKAGING

Standard	Unit	Other
350	'W' option	Contact us

SPECIFICATION

QS9000
SN 55228-2**

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-4	GHz
VSWR	1.06* + 0,0130	x F(GHz) Maxi
Insertion loss	0.03*	$\sqrt{F(GHz)}$ dB Maxi
RF leakage	- (- F(GHz)) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	1000	Veff mini
Insulation resistance	1000	M Ω mini

ENVIRONMENTAL

Operating temperature	-40/+110	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

Assembly instruction

Others :

*COAX TRANSMISSION LINE ONLY

**Complaint except that 2D label does not include the shipping note number.

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	10	N mini
Axial force – Opposite end	10	N mini
Torque	NA	N.cm mini

Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm

Mating life	50	Cycles mini
Weight	2,2297	g

CUSTOMER'S APPROVAL	
Department or company's stamp	
Name :	
Date :	
Copy to send back to	23/02/2006
RADIALL S.A. BEFORE :	

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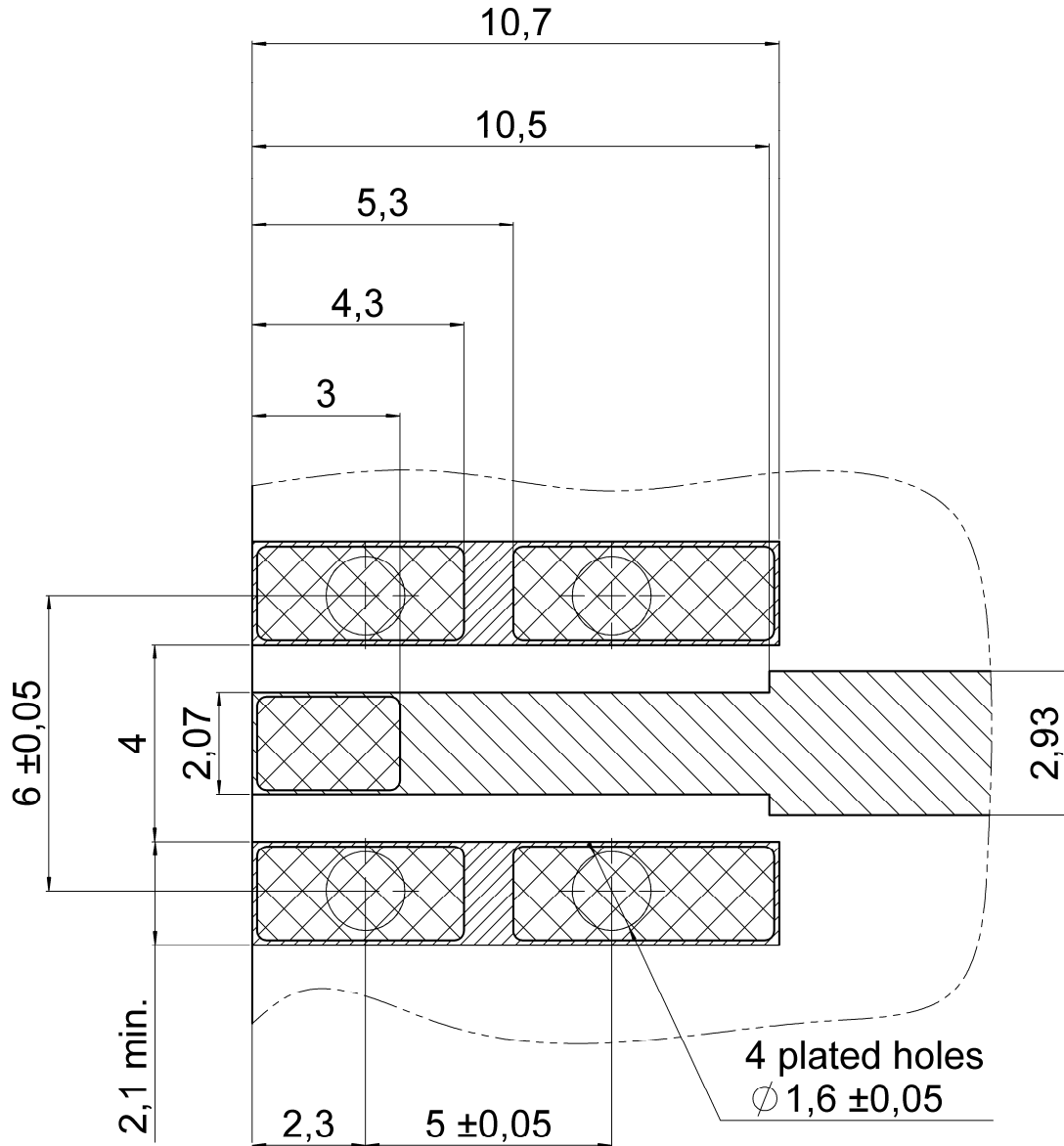


STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

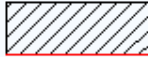
R197.160.I18

Series : SMB
 CARLOCK

MOUNTING ZONE FOR RECEPTACLE



Thickness of PCB: 1,6 mm.
 Material of PCB: FR4 ($\epsilon_r = 4.6$).
 Solder paste has to be printed onto the land of solder and into holes to permit Pin In Hole Reflow

-  Ground track
-  Signal track
-  Land for solder

STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

R197.160.I18

Series : **SMB**
CARLOCK

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 0.2 millimetres min. (0.008 inch min.). 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.

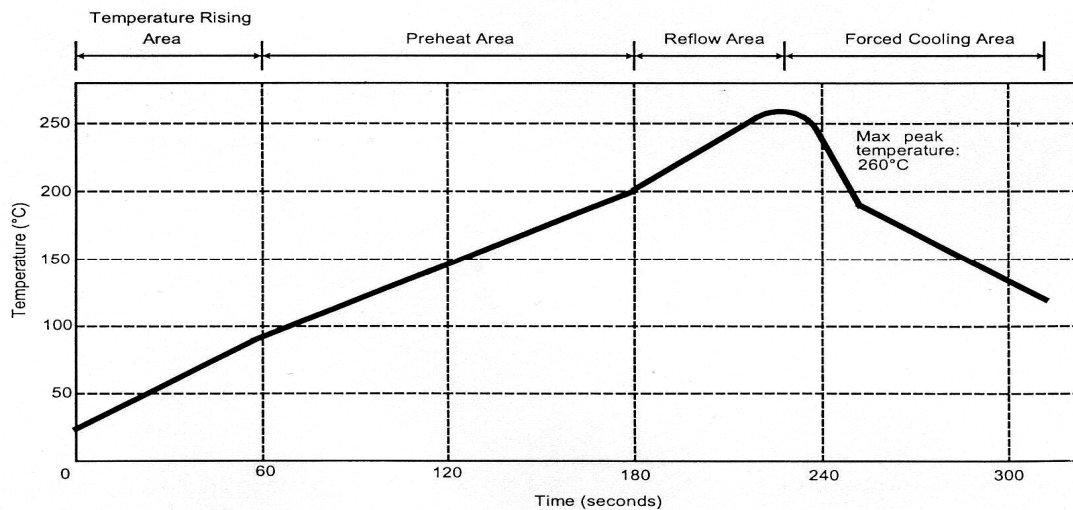
Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.

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

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STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

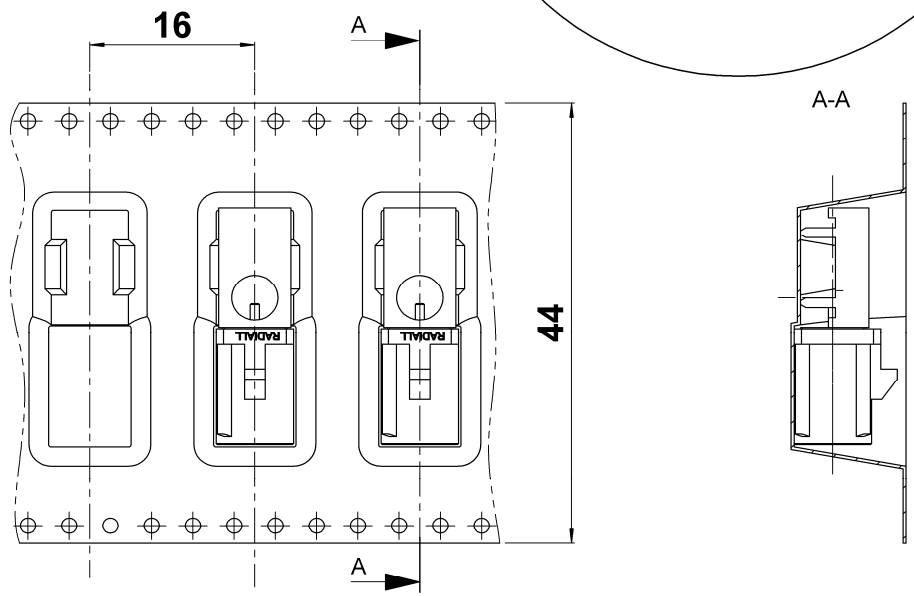
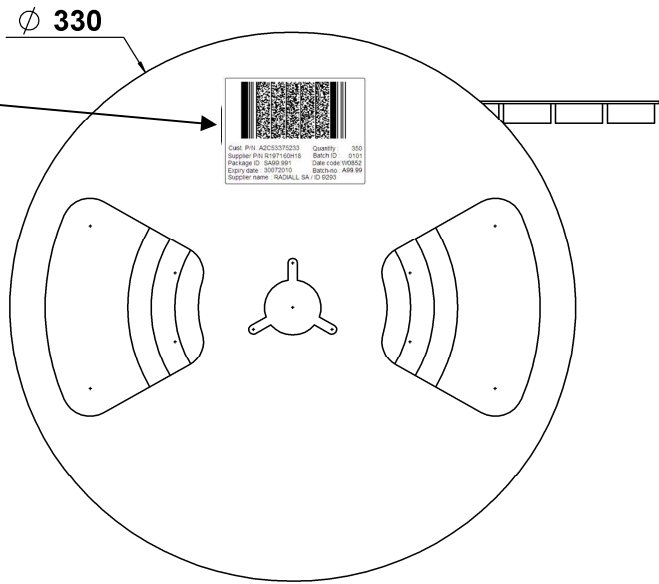
R197.160.I18

Series : **SMB**
CARLOCK

REEL PACKAGING PER 350

Label for identification :

CELL MATERIAL :
 Polycarbonate
COVER TAPE MATERIAL :
 conductive polyester film tape



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STRAIGHT PCB RECEPTACLE
EDGE CARD - PIN IN PASTE VERSION

R197.160.I18

Series : SMB
CARLOCK



CODING A
COLOR BLACK
RAL 9005



CODING B
COLOR CREAM
WHITE
RAL 9001



CODING C
COLOR BLUE
RAL 5005



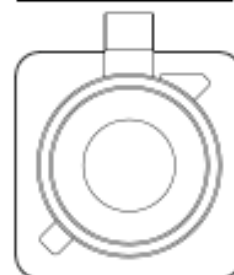
CODING D
COLOR BORDEAUX
VIOLET
RAL 4004



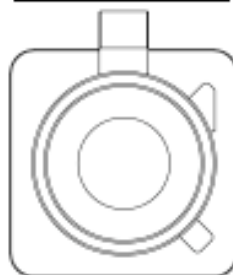
CODING E
COLOR GREEN
RAL 4002



CODING F
COLOR BROWN
RAL 8011



CODING G
COLOR GREY
RAL 7031



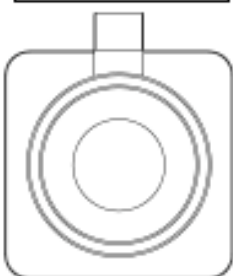
CODING H
COLOR VIOLET
RAL 4003



CODING I
COLOR BEIGE
RAL 1001



CODING K
COLOR CURRY
RAL 1027



CODING Z
COLOR WATER BLUE
RAL 5021

UL CLASSIFICATION
UL 94V-2

**According to FAKRA specifications*

To obtain other coding for the connector please change the letter by the needed coding letter into the Part Number

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