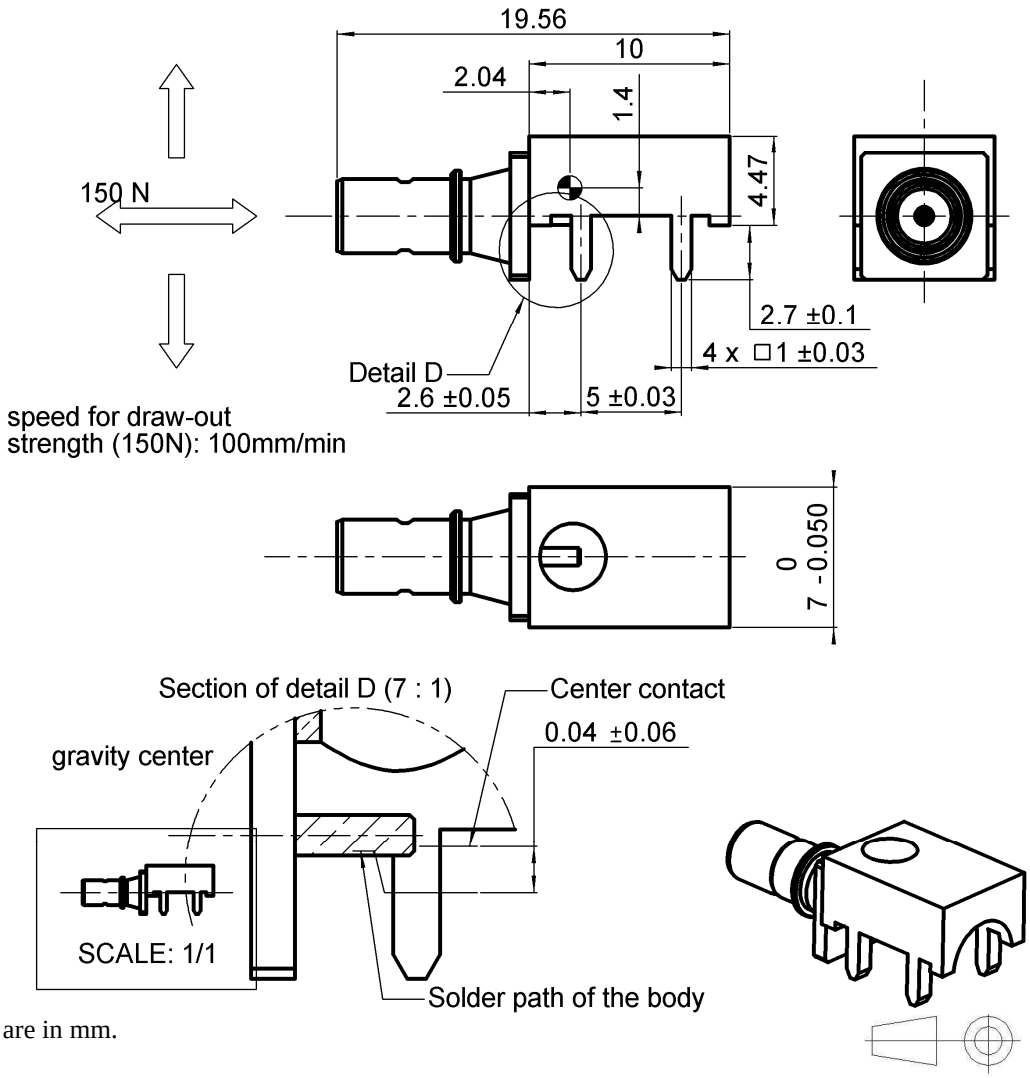
R/A MALE RECEPTACLE FOR PCB

EXTREMITE CARTE-PIN IN PASTE VERSION

R114.665.420

Series : **SMB CARLOCK**



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	**BRASS**	**GOLD 0.2 OVER NICKEL 2**
CENTER CONTACT	**BRASS**	**GOLD 0.5 OVER NICKEL 2**
OUTER CONTACT	-	-
INSULATOR	**PTFE**	
GASKET	-	
OTHERS PARTS	-	-
-	-	-
-	-	-

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

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PACKAGING

Standard	Unit	Other
400	**'W' option**	**Contact us**

SPECIFICATION

QS9000

ELECTRICAL CHARACTERISTICS

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

ENVIRONMENTAL

Operating temperature	**-40/+110**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHERS CHARACTERISTICS

Assembly instruction

Others :
*COAX TRANSMISSION LINE ONLY

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	**100**	Cycles mini
Weight	**2,5100**	g

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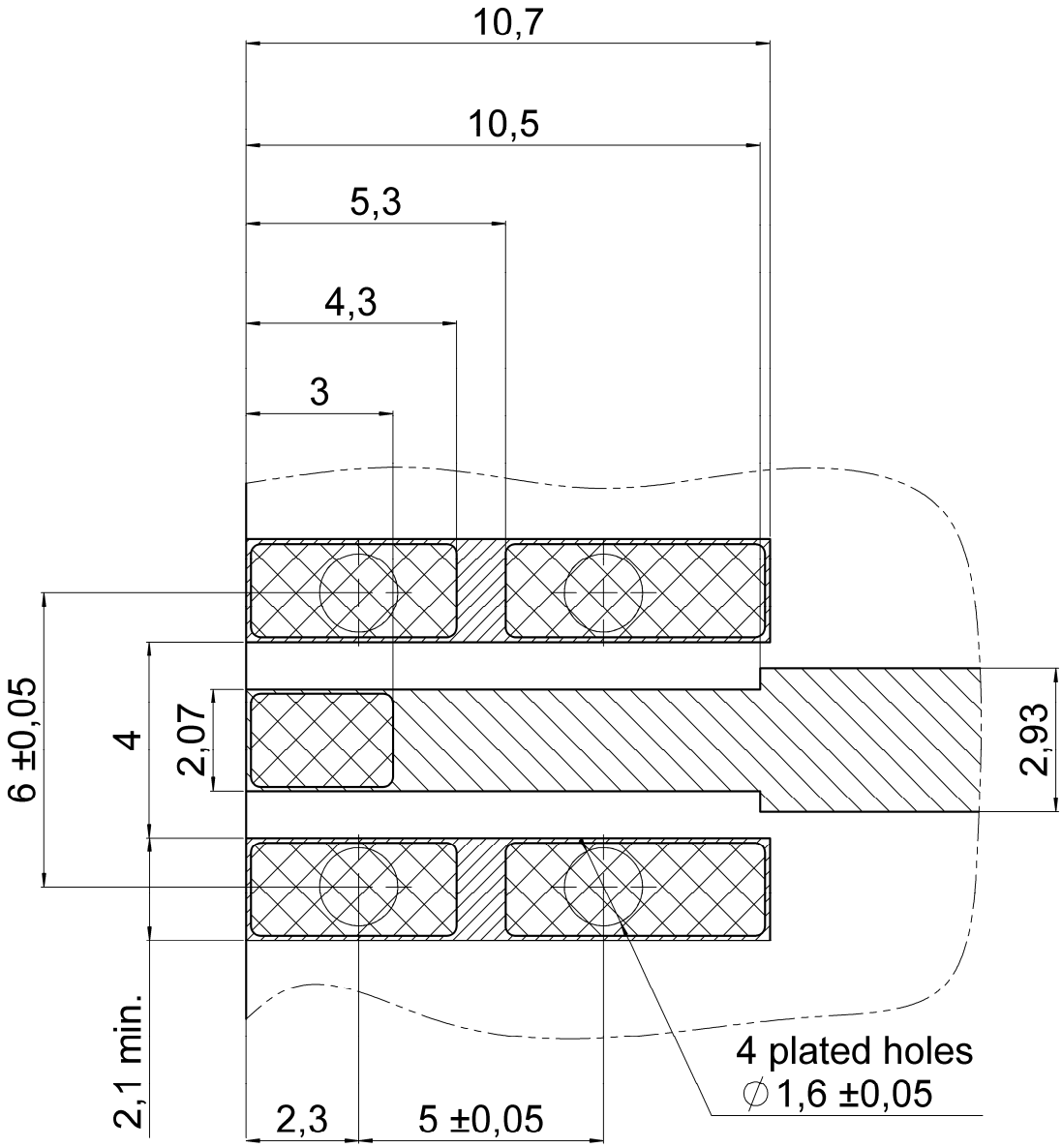
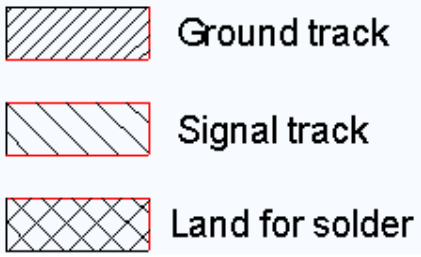
MOUNTING ZONE FOR RECEPTACLE



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



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SOLDER PROCEDURE

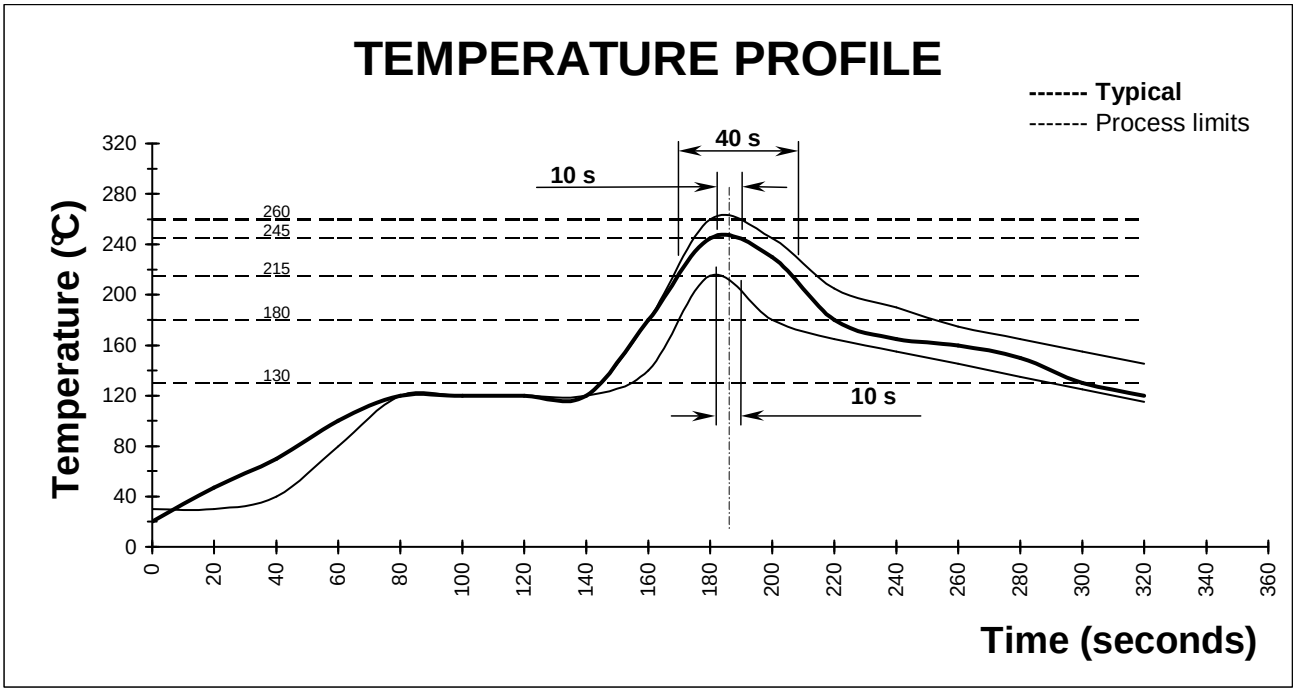
1 - Deposit solder paste "Sn63Pb35Ag2" on mounting zone by screen printing application. We recommend a low Residue Solid Flux.
We advise a thickness of 0,2 millimetres min. (0,008 inch min.).
The holes must be totaly filled with cream
Verify that the edges of the zone are clean.

2 - Placement of the receptacle on the mounting zone by hand.

3 - Soldering by reflow process.
The typical profile to use is given below.

4 - Clean printed circuit boards.

5 - Check of solder joints and position of the component by visual inspection



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