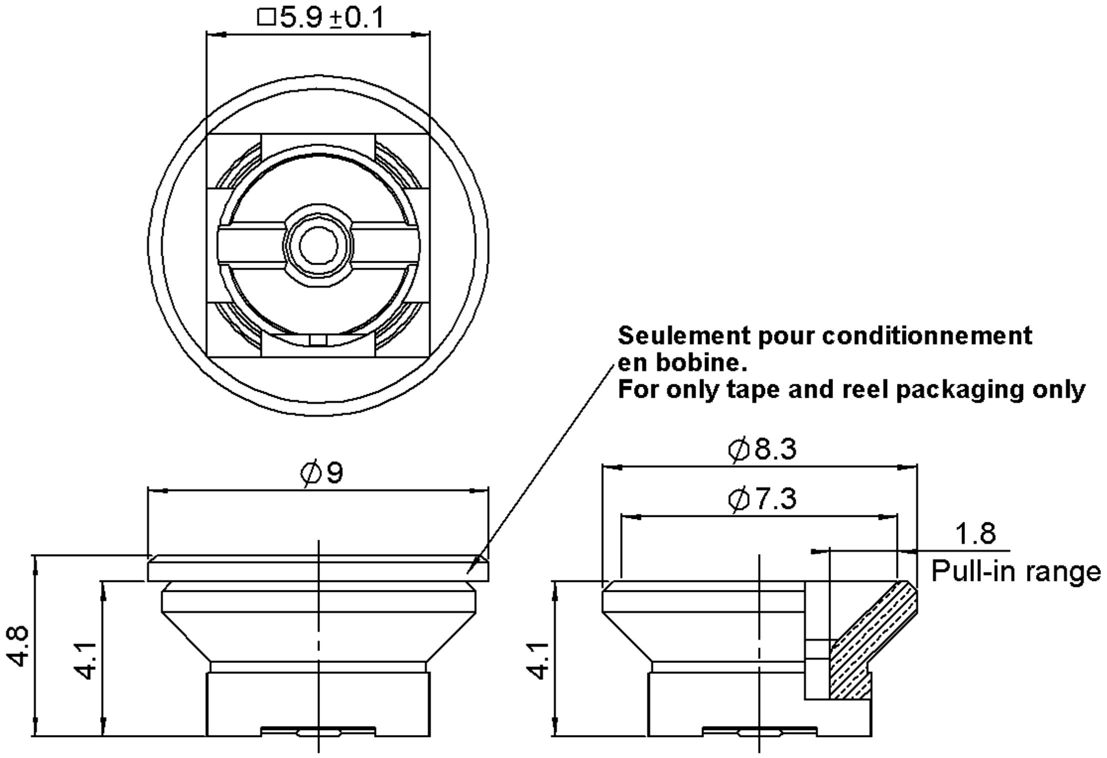
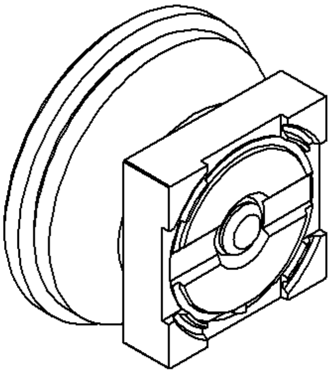
SMT JACK RECEPTACLE

REEL OF 750

R223.424.870

Series : **MMBX**





All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (µm)
BODY	**BRASS**	**NPGR**
CENTER CONTACT	**BRASS**	**NPGR**
OUTER CONTACT		
INSULATOR	**LIQUID CRYSTAL POLYMER**	
GASKET		
OTHERS PARTS	**PTFE**	
-	-	-
-	-	-

Issue : 0851 A

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PACKAGING

Standard	Unit	Other
750	**‘W’ option**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance	**50**	Ω
Frequency	**0-12.4**	GHz
VSWR	**1.065*** + **0,0000**	x F(GHz) Maxi
Insertion loss	**0.12**	√F(GHz) dB Maxi
RF leakage	- (**100****	- F(GHz)) dB Maxi
Voltage rating	**330**	Veff Maxi
Dielectric withstanding voltage	**1000**	Veff mini
Insulation resistance	**1000**	MΩ mini

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	**0,8900**	g

SPECIFICATION

ENVIRONMENTAL

Operating temperature	**-55/+155**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

OTHER CHARACTERISTICS

Assembly instruction

Others :
**to 6 GHz
**interface MMBX only up to 2.5GHz
PCB to PCB -45dB up to 2.5 GHz

SOLDER PROCEDURE

1. Deposit 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 micromm (5.850 microinch). Verify that the edges of the zone are clean.

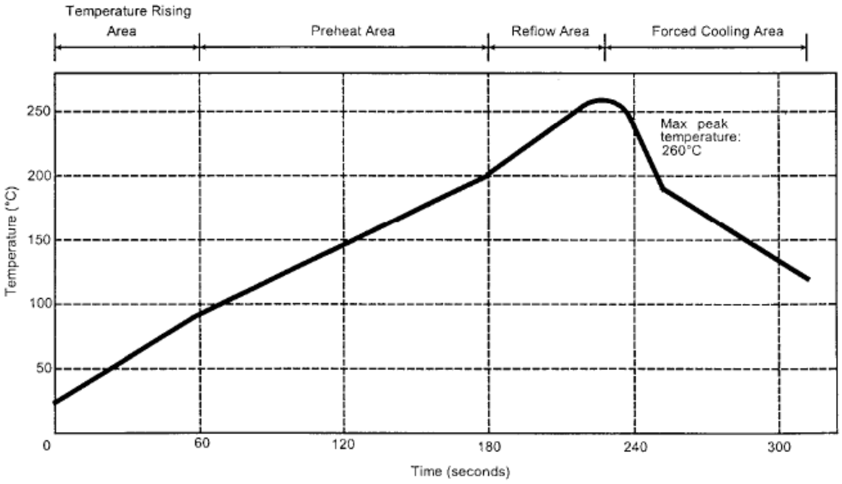
2. Placement of the receptacle on the mounting zone with an automatic machine of ‘pick and place’ type.

3. Soldering by infra-red reflow.

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

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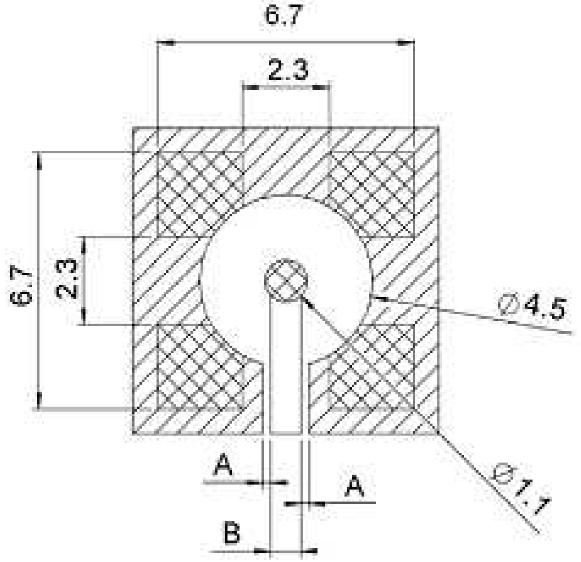
MMBX SERIES INFORMATIONS



COPLANAR LINE
Pattern and signal are on the same side
The material of PCB is epoxy resin
(FR4)(Er = 4.6)
The solder resist should be printed
Except for the land pattern on the PCB

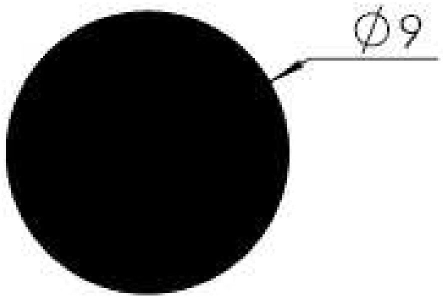
▨ Pattern

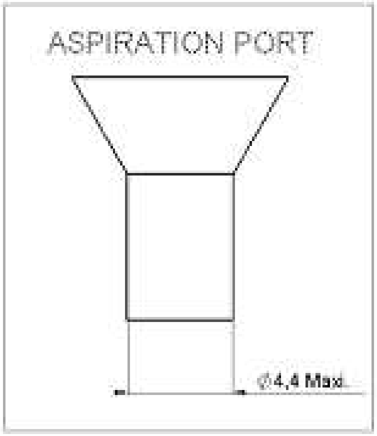
▦ Land for solder paste

APPLICATION 75Ω	
WITH B = 0,55mm	
PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,350
1,0	0,360
1,2	0,365
1,6	0,375

APPLICATION 50Ω	
WITH B = 1,2mm	
PCB thickness (mm)	Coplanar ligne A (mm)
0,8	0,190
1,0	0,200
1,2	0,205
1,6	0,210

SHADOW FOR VIDEO CAMERA





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MMBX SERIES INFORMATIONS