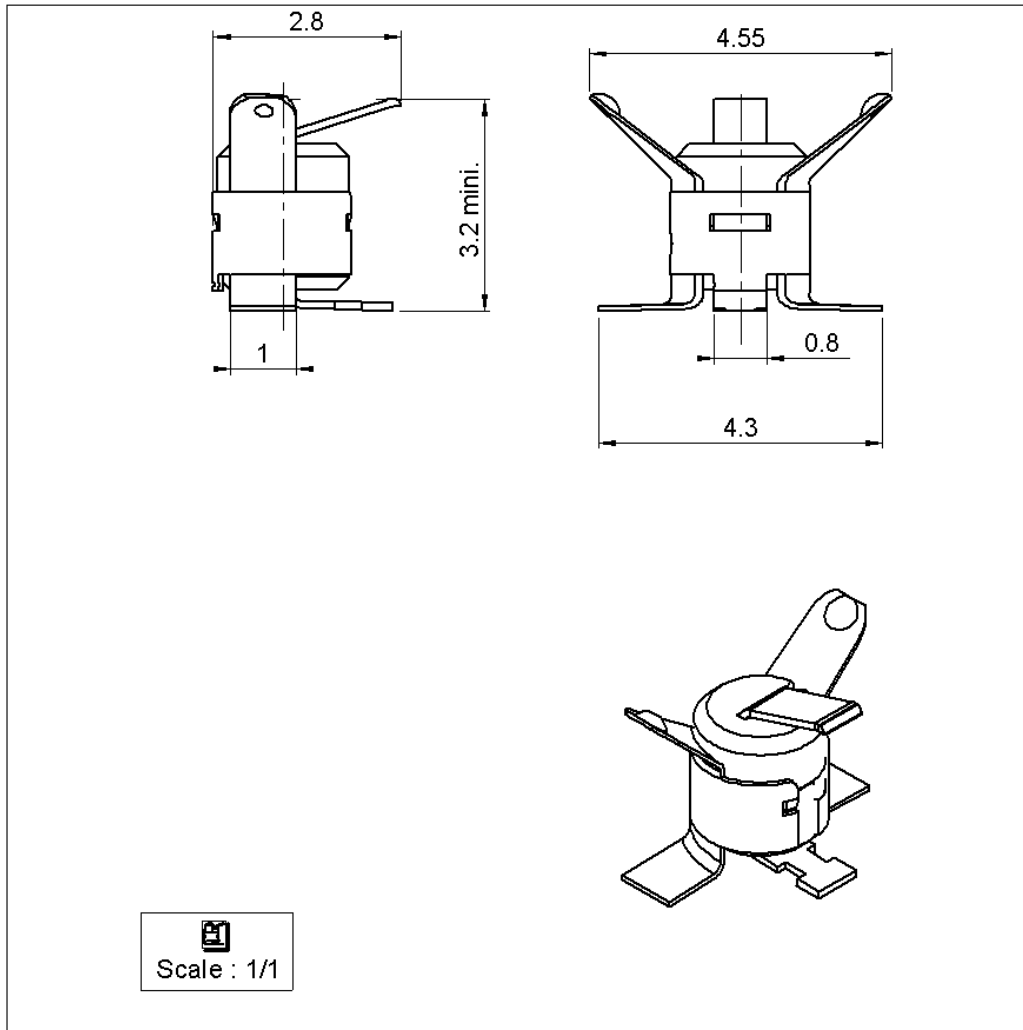


SMT BOARD TO BOARD ADAPTOR H3

R107.064.920

REEL OF 100

Series : IMP



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
OUTER CONTACT	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
INSULATOR	POLYETHER ETHERCETONE 30% GF	
GASKET		
OTHERS PARTS		
-	-	-
-	-	-

Issue : 0417 A

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



SMT BOARD TO BOARD ADAPTOR H3

R107.064.920

REEL OF 100

Series : IMP

PACKAGING

SPECIFICATION

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
Frequency		0-6 GHz
VSWR	1.10 +	0.030 x F(GHz) Maxi
Insertion loss		0.2 √F(GHz) dB Maxi
RF leakage	- (- F(GHz)) dB Maxi
Voltage rating		100 Veff Maxi
Dielectric withstanding voltage		350 Veff mini
Insulation resistance		3000 MΩ mini

ENVIRONMENTAL

Operating temperature	-40/+90 ° C
Hermetic seal	Atm.cm3/s
Panel leakage	

OTHERS CHARACTERISTICS

Assembly instruction

Others :
Weight reel : 75 g

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end		N mini
Axial force – Opposite end		N mini
Torque		N.cm mini
Recommended torque		
Mating		N.cm
Panel nut		N.cm
Mating life	20	Cycles mini
Weight	0.020	g

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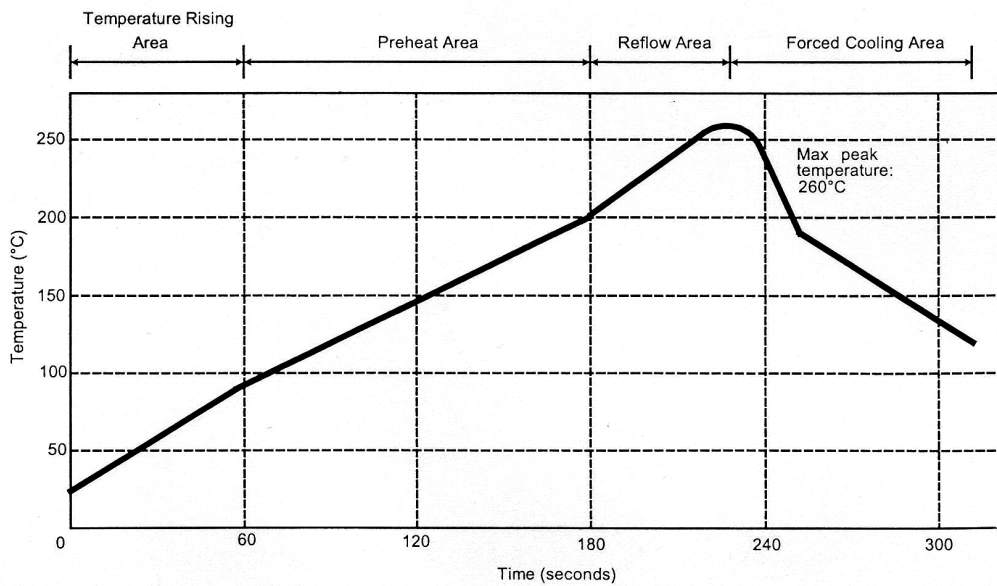
REEL OF 100

Series : IMP

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 (5.850 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

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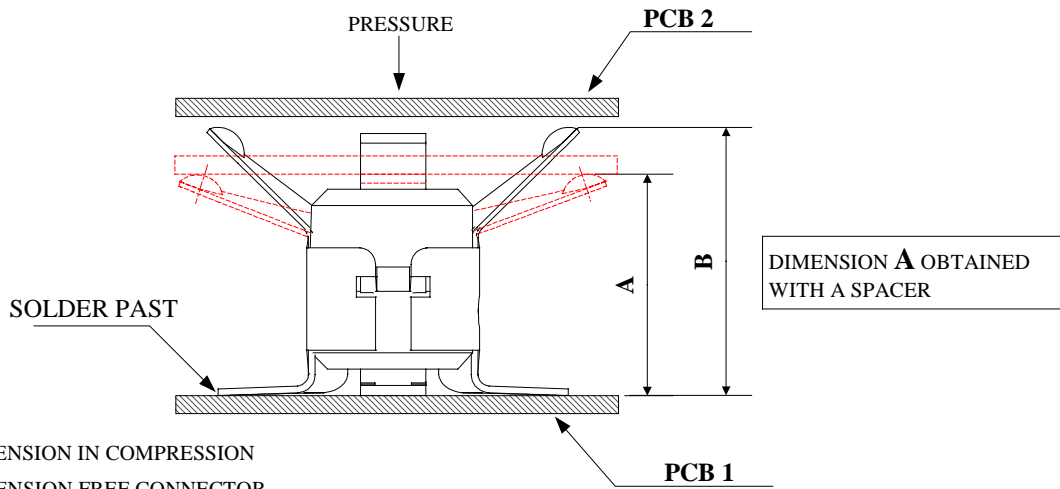
SMT BOARD TO BOARD ADAPTOR H3

R107.064.920

REEL OF 100

Series : IMP

IMP-SERIES-INFORMATION



A : DIMENSION IN COMPRESSION
B : DIMENSION FREE CONNECTOR

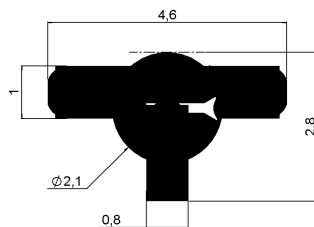
ELASTICITY
TABLE OF CORRESPONDENCE

A <i>CONNECTOR COMPRESSION ALLOWABLE</i> <i>(Dimension obtained in compression)</i>	B <i>PRODUCT DIMENSION AFTER COMPRESSION</i> <i>(Dimension obtained after elastic return)</i>
3.1 mm	3.20 mm mini
3 mm	3.15 mm mini
2.9 mm	3.10 mm mini
2.8 mm	3.05 mm mini
2.7 mm	3.00 mm mini

THE CONNECTOR IS NOT A SPACER, SO DIMENSION A MUST BE ENSURED WITH AN ADDED PIECE PART SETTED 10 mm MAX. FAR FROM THE IMP CONNECTOR.

SHADOW OF IMP RECEPTACLE FOR VIDEO CAMERA

All dimensions are in mm.



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SMT BOARD TO BOARD ADAPTOR H3

R107.064.920

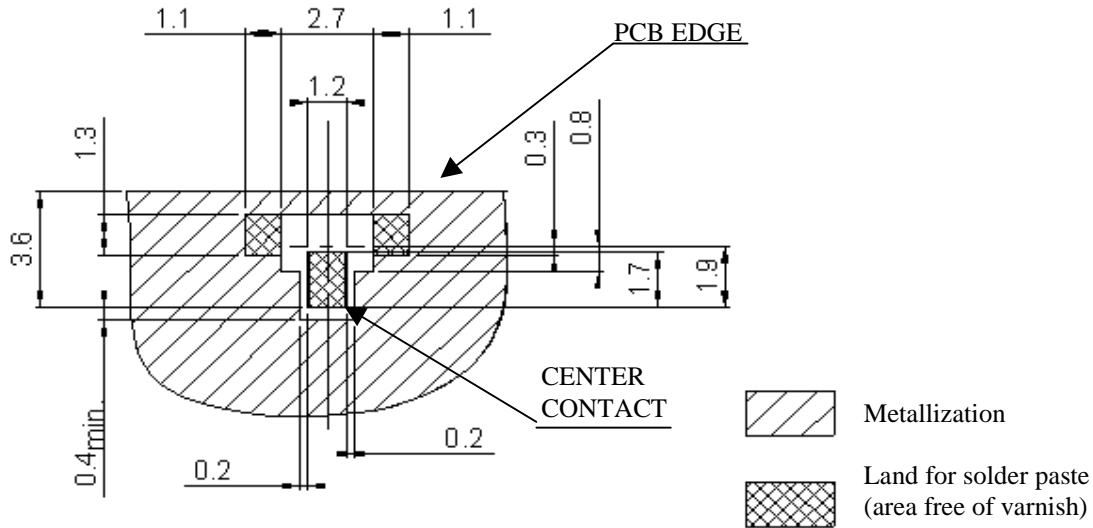
REEL OF 100

Series : IMP

IMP SERIES INFORMATION

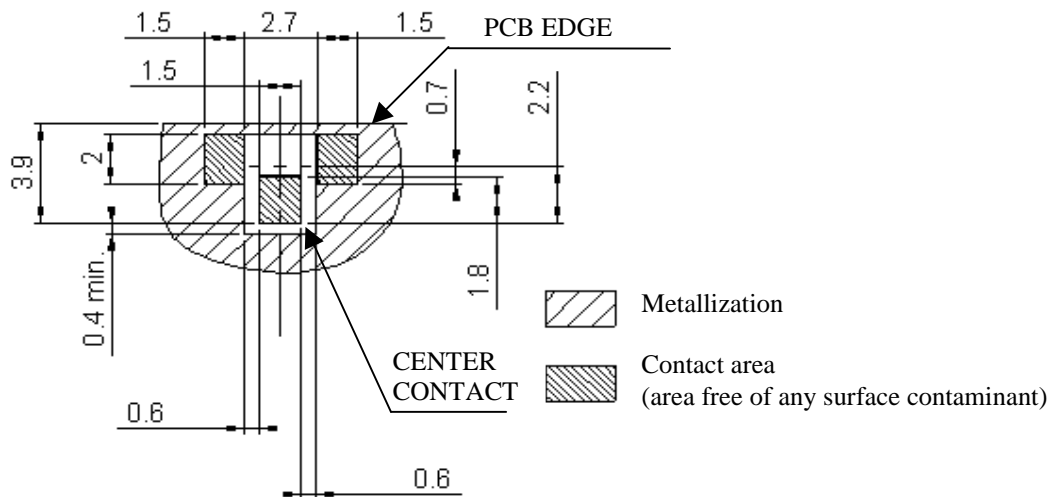
PCB 1

All dimension are in mm



Vias and transmission line inside PCB are not represented.
The impedance of the transmission line should be 50 ohms

PCB 2



Vias and transmission line inside PCB are not represented.
The impedance of the transmission line should be 50 ohms

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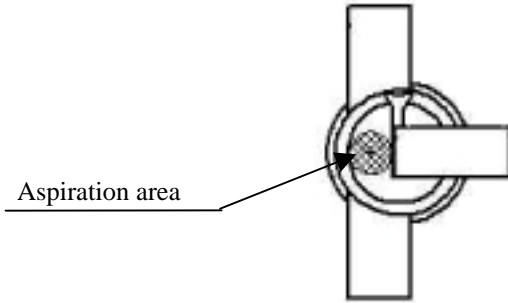
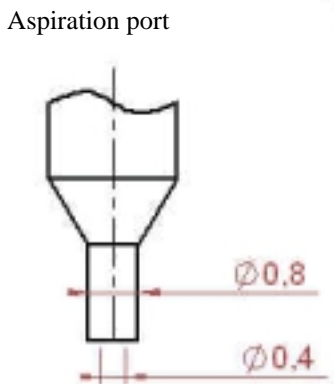
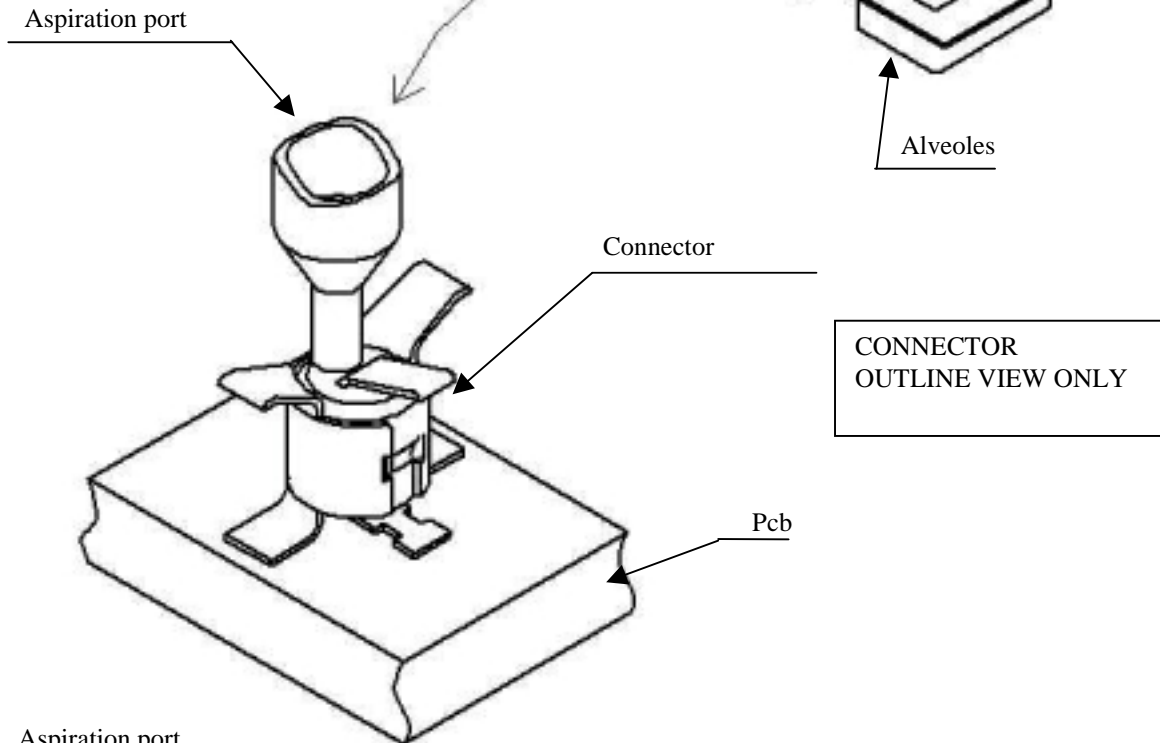
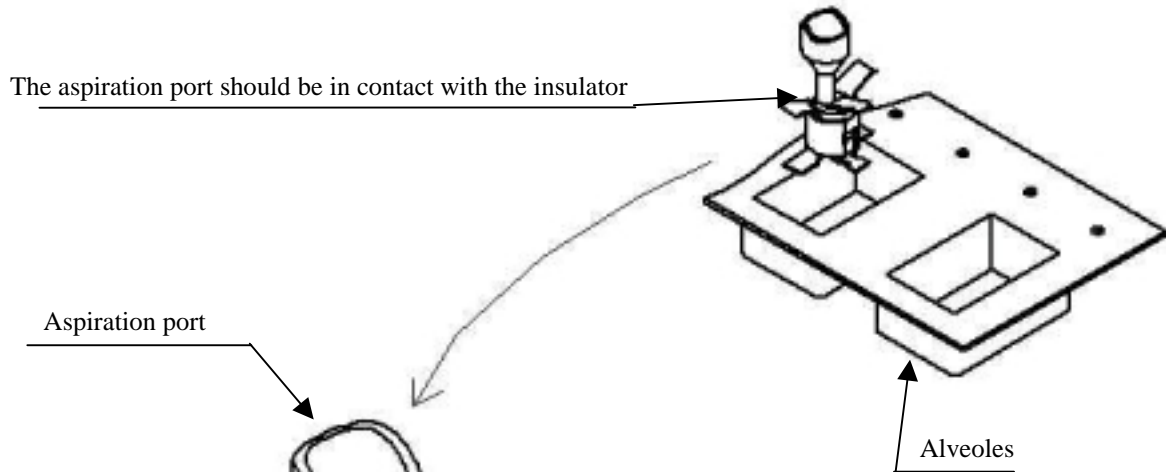
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REEL OF 100

Series : IMP

IMP SERIES INFORMATION



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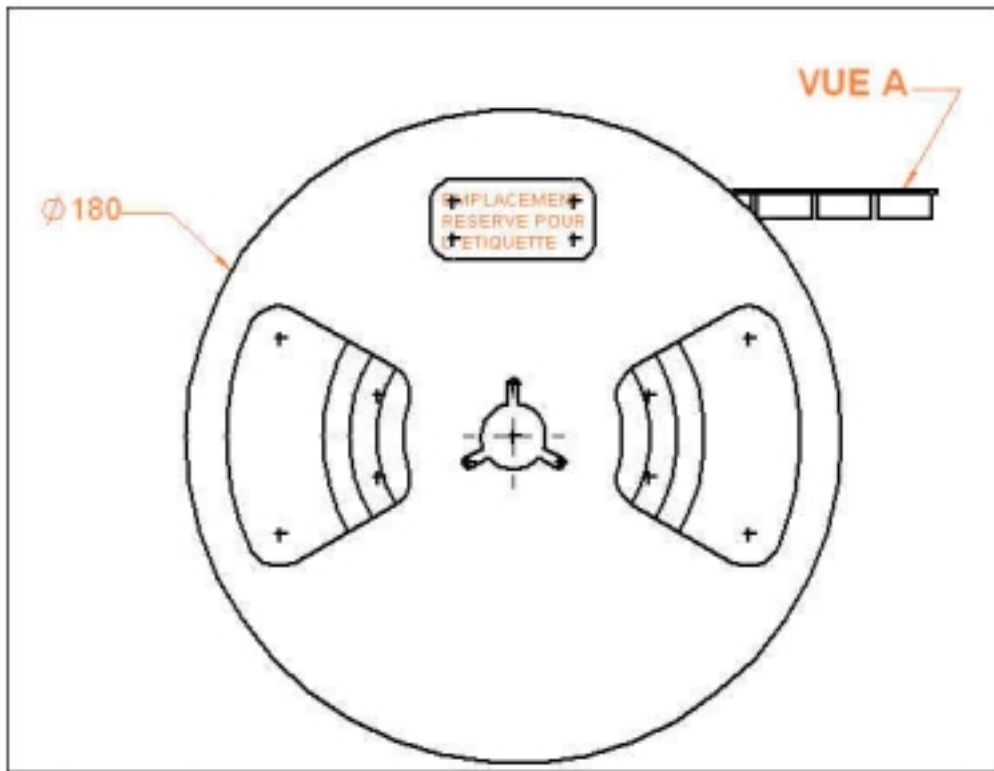
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R107.064.920

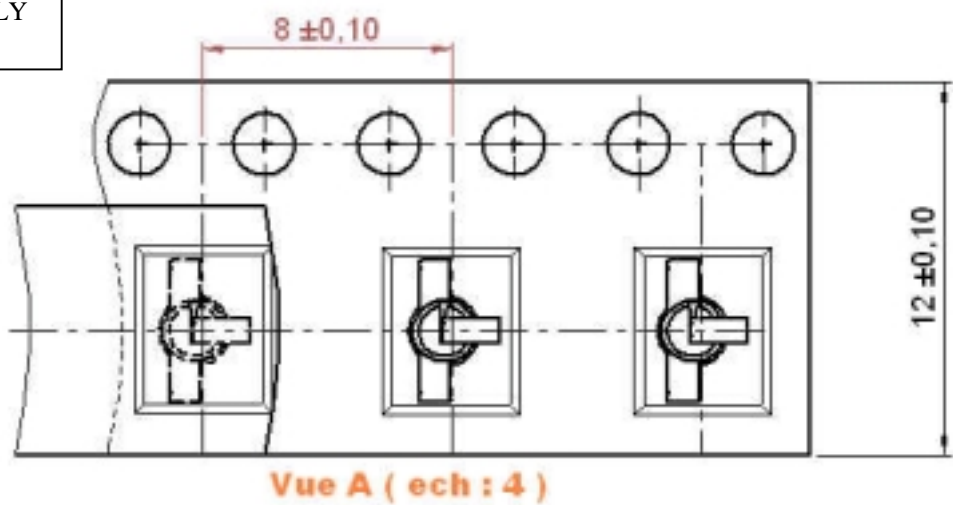
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IMP SERIES INFORMATION



CONNECTOR
OUTLINE VIEW ONLY



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