

All dimensions are in mm; tolerances according to ISO 2768 m-H

Documents

PCB layout / Solder paste mask

MB_408

Material and plating

Connector parts

Housing
Spring circuit
Spring Pin 1
Spring carrier

Material

Die cast
CuBe
CuZn
PEEK 90 GF15%

Plating

0.5 µm Au over 1-3 µm Ni
0.15 µm Au over 1-3 µm Ni
0.15 µm Au over 1-3 µm Ni

Electrical data

Impedance 50 Ω
Frequency DC to 6 GHz
Return loss DC to 2 GHz ≤ -24 dB
2 to 4 GHz ≤ -18 dB
4 to 6 GHz ≤ -15 dB

Insulation resistance ≥ 500 MΩ
Contact resistance ≤ 100 mΩ
Rated power 13 W @ 430 MHz
Working voltage 4 V

Mechanical data

Mating cycles ≥ 25
Mating force ≤ 4 N
Unmating force ≥ 2 N
Dimensional size 1.9 mm x 1.8 mm x 1.5 mm
Coplanarity ≤ 0.1 mm

Environmental data

Temperature range -40°C to +90°C
Storage temperature -55°C to +100
RoHS compliant

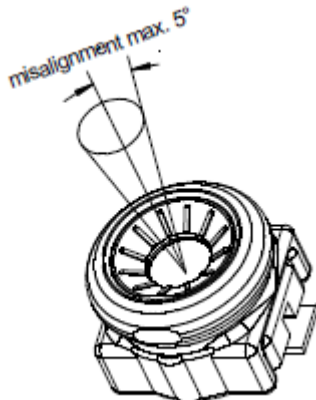
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Mating and un-mating

For the reliable mating and un-mating follow the precautions :

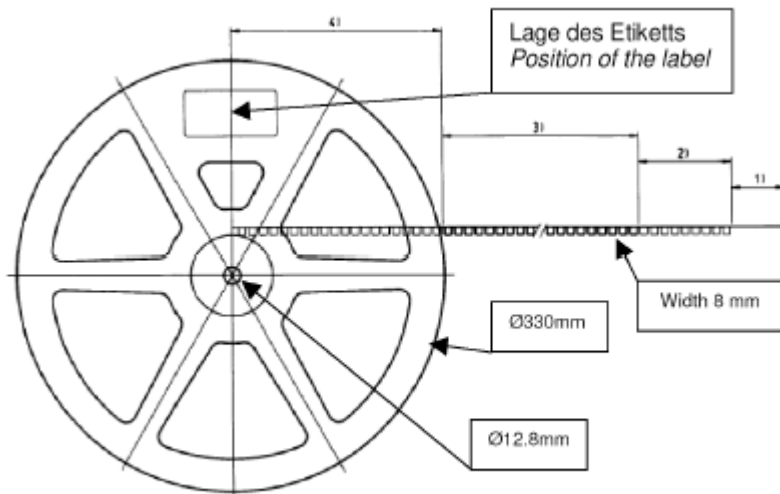
1. The vertical mating axis of the PCB receptacle and the adapter has to be aligned during the connecting and a hearable click will confirm that the connectors are mated correctly.
2. The disconnection of the 2 connectors is carried out by vertical pulling of the adapter
3. The connectors should not be mated under an extreme angle
4. The mating force should be in the limits $5\text{ N} \leq F \leq 10\text{ N}$



Packing

Standard
Labelling
Weight

9,000 pcs on each reel
According to Rosenberger standard
0.05 g/pce



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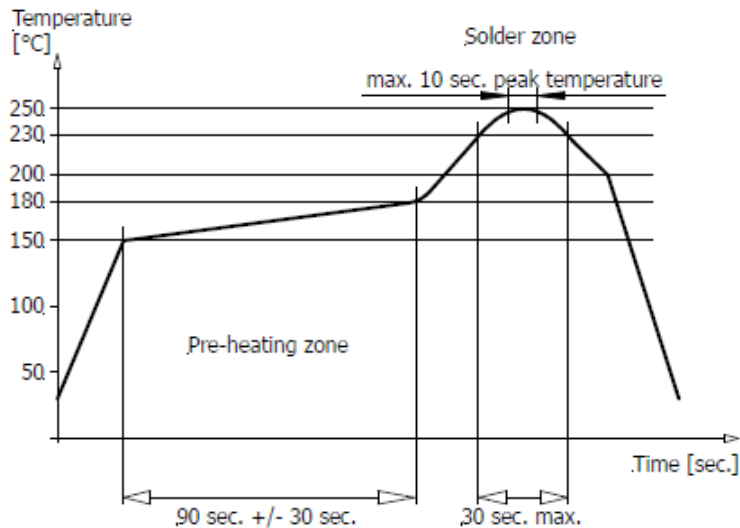
Soldering process

Lead free solder process

Recommended solder paste

SENJU M705 –GRN360-K1 V

The component has to withstand 2 times the solder process



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
G. Lapper	05.04.07	G.Lapper	20.10.17	j00	17-0004	A.Schuster	20.10.17

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