

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

**Documents**

Packing instruction VG77.19000

**Material and plating**

**Connector parts**

- Piston
- Ferrule
- Spring
- Isolator

**Material**

- Brass
- Brass
- Stainless steel
- PPS

**Plating**

- Gold, 0.5  $\mu\text{m}$  over chemical Nickel
- Gold, min. 0.15  $\mu\text{m}$ , over chemical nickel
- N/A

**Electrical data**

- Insulation resistance  $\geq 5 \times 10^3 \text{ M}\Omega$
- Contact resistance  $\leq 25 \text{ m}\Omega$  initial
- After 5 cycles operational stroke
- Working voltage 4 V
- Max. Current 1.5 A per pin

**Mechanical data**

- Durability > 5,000
- Max. pin travel 1.6 mm
- Nominal height 4.15 mm
- Travel vs Force
  - Initial  $F_0 = 0.2 \text{ N} \pm 0.1 \text{ N}$
  - At 3.45 mm  $F_1 = 0.7 \text{ N} \pm 0.15 \text{ N}$

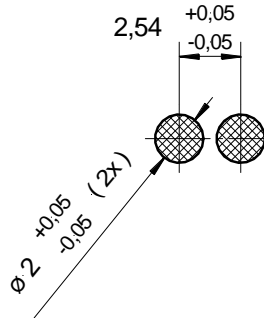
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**Environmental data**

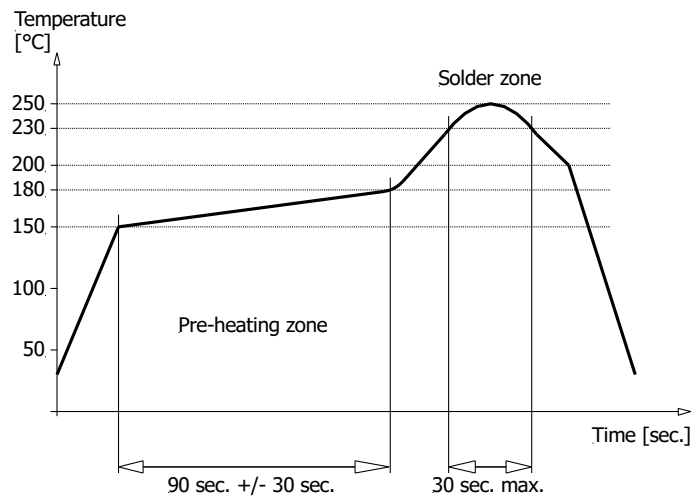
Operating temperature IEC 60068-2-1, Aa -40 °C  
 IEC 60068-2-2, Bb +90 °C  
 Storage temperature IEC 60068-2-1, Aa -55 °C  
 IEC 60068-2-2, Bb +100 °C  
 2002/95/EC (RoHS) compliant

**PCB Layout**



**Soldering process**

1. Lead free solder process



**Packing**

Standard 1,900 pcs. in tape&reel  
 Weight 0.23 g/pce.

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
F. Michelmann	10.10.06	C. Kainzmaier	08.06.18	h00	18-0940	M. Margardt	08.06.18

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