



All dimensions are in mm

Documents

| | |
|-----------------------|-------------|
| Interface | RN_121-02 |
| Panel piercing | MB_666 |
| Pinning | RN_143-02 |
| Tape & reel packaging | VG391.15500 |

Material and plating

Connector parts

| | | |
|----------------|--------------------------|--|
| Signal contact | Material Brass | Plating / Colour Gold, min. 0.12 µm, over Nickel (Interface) |
| Outer contact | Zinc alloy | Tin, min. 3 µm, over Nickel (PCB) |
| Dielectric | LCP | Tin, min. 3 µm, over Nickel |
| Housing | HTN | nature |
| | | see section "Coding" |

Electrical data

| | |
|---------------------------|---|
| Impedance | 100 Ω |
| Frequency | DC to 10 GHz |
| Return loss | ≥ 30 dB, 0.01 GHz to 3 GHz ≥ 25 dB, 3 GHz to 6 GHz ≥ 20 dB, 6 GHz to 10 GHz |
| Insulation resistance | ≥ 100 MΩ |
| Signal contact resistance | ≤ 10 mΩ |
| Outer contact resistance | ≤ 7.5 mΩ |
| Working voltage | ≤ 60 V DC |
| Power current | ≤ 1.5 A DC |

Connector only, electrical data in application depends decisively on PCB layout

Mechanical data

| | |
|-----------------------|---------|
| Mating cycles | min. 25 |
| Engagement force | ≤ 25 N |
| Retention force latch | ≥ 110 N |
| Coding efficiency | ≥ 150 N |
| Weight | 8.3 g |

Environmental data

| | |
|-------------------|---|
| Temperature range | -40 °C to +105 °C |
| Thermal shock | DIN EN 60068-2-14 |
| Humidity | DIN EN 60068-2-30 @ +40 °C |
| Dry heat | DIN EN 60068-2-2 @ +105 °C |
| Vibration | DIN EN 60068-2-64 |
| Mechanical shock | DIN EN 60068-2-27 |
| Soldering profile | DIN EN 60068-2-58; Group 3 (250 °C / 30 sec.) |
| RoHS | compliant |

Packing

| | |
|----------|------------------------|
| Standard | 155 pcs in tape & reel |
|----------|------------------------|

Change History

| Rev. | Date | Change |
|------|------------|---|
| b00 | 05.04.2023 | changed side of the area for quality inspection marking |

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