



All dimensions are in mm

Documents

Interface	RN_121-04
Panel piercing	MB_869
Pinning	RN_143-04
Tape & reel packaging	VG520.11000

Material and plating

Connector parts

Signal contact

Material
Brass

Plating / Colour

Gold, min. 0.12 µm, over Nickel (Interface)
Tin, min. 3 µm, over Nickel (PCB)
Tin, min. 3 µm, over Nickel
Tin, min. 3 µm
nature
nature
see section "Coding"

Outer contact
Screening shield
Dielectric (short channel)
Dielectric (long channel)
Housing

Zinc alloy
Steel
LCP
HTN
HTN

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	≤ 45 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 150 N
Weight	14.5 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	110 pcs in tape & reel
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RF_35/09;14/6.2