



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

Interface

According to RN 059-01

Documents

Pinning instruction RN 053-01 (e)
 Panel piercing MB_215
 Test specification RN 061-01

Material and plating

Connector parts

Center contact Material Spring bronze

Outer contact Brass

Dielectric LCP

Housing HTN (e)

Plating

Gold, 0.15 µm (Interface)
 Tin, 0.5-2 µm (PCB)
 Ni 3-6 µm (Interface)
 Tin 3-6 µm (PCB) (d)

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RF_35/05_10/6.0

Electrical data

Impedance, differential mode	100 Ω differential signalling, for one pair or quad cable shielded
Frequency	DC to 2.0 GHz
Return loss	≥ 20 dB to 1.0 GHz ≥ 17 dB to 2.0 GHz
Insertion loss	≤ 0.1 dB @ 1.0 GHz
Skew (between signal contacts)	≤ 5 psec.
Nearend-Crosstalk	≤ 30 dB
Farend-Crosstalk	≤ 35 dB
Insulation resistance	≥ 1x10 ³ MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Test voltage	250 V rms
Working voltage	100 V rms
Power current	≤ 1.5 A DC
RF-leakage (shielding effectiveness)	≥ 75 dB up to 1 GHz (IEC 62153-4-7) ≥ 65 dB up to 2 GHz (IEC 62153-4-7)

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 30 N
Disengagement force	≥ 5 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 80 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN IEC 60068-2-14 Test Na
Temperature and humidity	USCar 2 – 4 5.6.2
Vibration (Random)	DIN IEC 60068-2-64
Mechanical Shock	DIN IEC 60068-2-27
High-Temp. Exposure	DIN IEC 60068-2-2
Soldering profile	acc. to IEC 60068-2-58; Group 3&4
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	200 pcs in tape & reel
Weight	6.84 g/pce

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