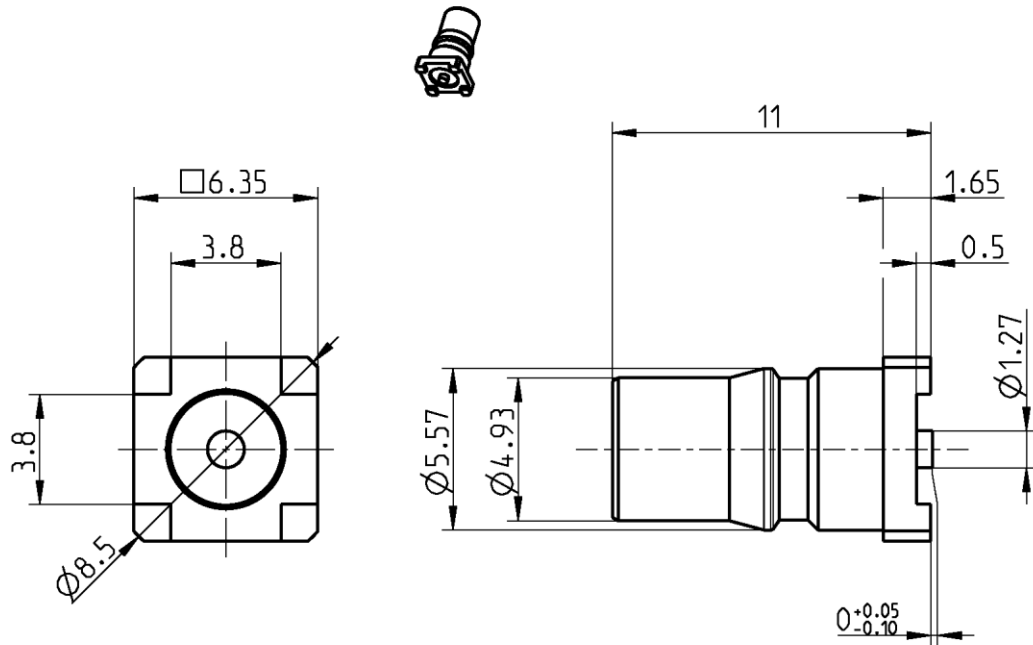




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

Rosenberger 28K000-000, series QMA
Rosenberger is an authorised QLF® manufacturer

Documents

PCB layout

B 163

Material and plating

Non-magnetic version

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
Spring bronze
PTFE

Plating

AuroDur®, gold plated
Gold, min. 0.15 µm, over chemical nickel

Technical Data Sheet				Rosenberger			
QMA		STRAIGHT JACK PCB		28K101-40ML5-NM			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage, at sea level, 50Hz Working voltage, at sea level, 50Hz RF-leakage Intermodulation (3rd order) 50 Ω DC to 18 GHz ≥ 28 dB, DC to 1 GHz ≥ 25 dB, 1 to 3 GHz ≥ 22 dB, 3 to 6 GHz ≤ 0.05 x √f(GHz) dB, DC to 6 GHz ≥ 5 x10³ MΩ ≤ 3 mΩ ≤ 2.5 mΩ 1000 V rms 480 V rms ≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz ≤ -120 dBc @ 2 x 20 W - VSWR in application depends decisive on PCB layout -							
Mechanical data Mating cycles Center contact captivation: axial radial Engagement force Disengagement force Retention force for interface min. 100 ≥ 20 N ≥ 1 Ncm typ. 25 N typ. 20 N 60 N min.							
Environmental data Temperature range Storage temperature Thermal shock Corrosion Vibration Damp heat, steady state Max. solder temperature RoHS -40°C to +85°C -40°C to +85°C IEC 60169-1 16.4 (-40 / +85°C) IEC 60169-1 16.7 (48 hrs) IEC 60068-2-64 random IEC 60169-1 16.3 (96 hrs) +250°C (IEC 61760-1, 260°C for 10 sec.) compliant							
Tooling Crimp insert N/A							
Suitable cables N/A							
Packing Standard Weight 25 pcs in blister 1,2 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
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