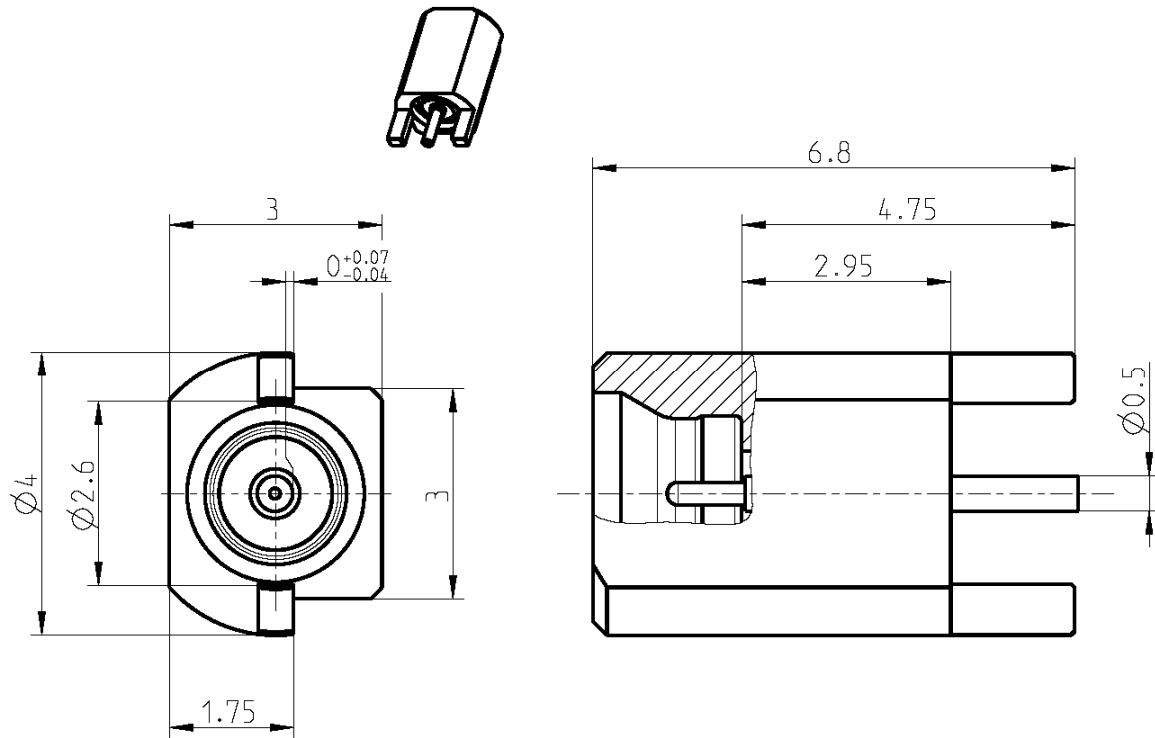




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
and SSMP™ (Connectors Devices, Inc.)

Documents

PCB layout

B 203

Tape & reel packaging

VG50.2M500

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet				Rosenberger			
Mini-SMP		RIGHT ANGLE PLUG PCB FULL DETENT		18S203-40ML5			
Electrical data Impedance50 Ω FrequencyDC to 65 GHz Return loss≥ 26 dB @ DC to 6 GHz ≥ 19 dB @ 6 GHz to 18 GHz ≥ 14 dB @ 18 GHz to 26.5 GHz Insertion loss≤ 0.1 x √f [GHz] dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 6 mΩ Outer contact resistance≤ 2 mΩ Working voltage (at sea level)325 V rms (at 70000 feet)125 V rms Return loss in application depends decisive on PCB layout							
Mechanical data Mating cycles≥ 100 Center contact captivation≥ 7 N Engagement force19 N typical Disengagement force29 N typical							
Environmental data Temperature range-55 °C to +155 °C Thermal shockMIL-STD-202, Method 107, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition A Moisture resistanceMIL-STD-202, Method 106 Climatic categoryIEC 60068 55/155/21 Max. soldering temperatureIEC 61760-1, +260 °C for 10 sec. RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Weight Weight0.4 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	
Inge Mühlauer		14/12/04		B_Aicher		08.12.15	
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