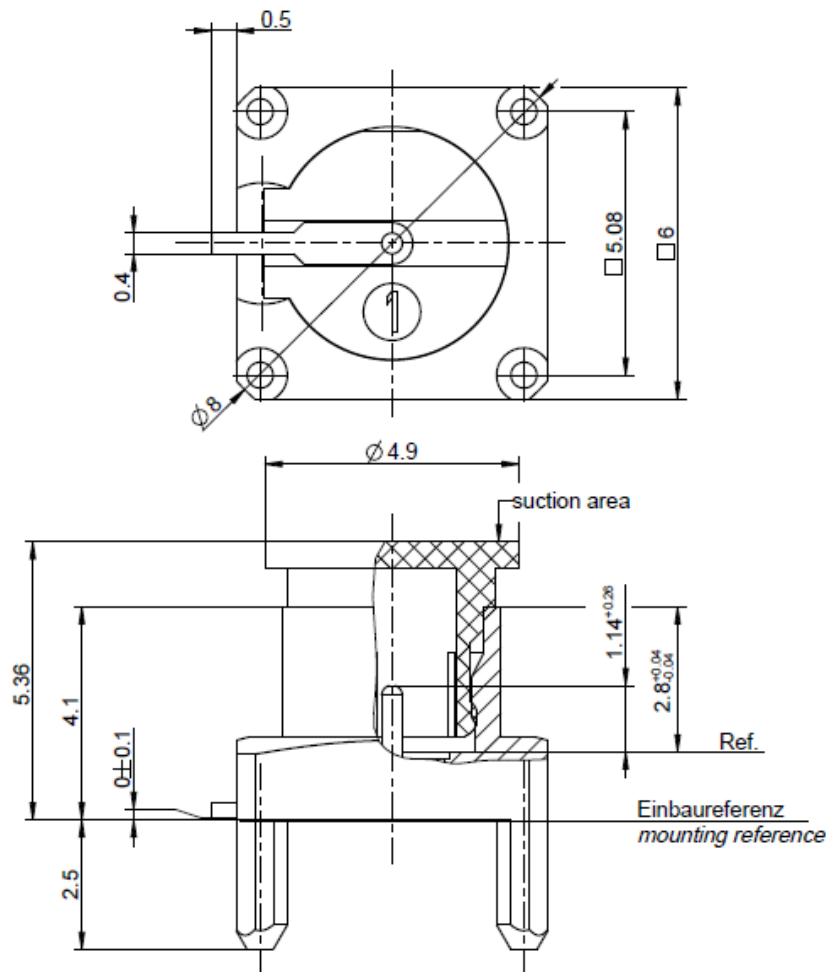




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

MIL-STD-348

Documents

PCB layout

B 122

Tape & reel packaging

VG05.50000, VG60.73000

Material and plating

Connector parts

Center contact

Material

Brass

Outer contact

Brass

Dielectric

LCP

Plating

AuroDur®, gold plated

AuroDur®, gold plated

Technical Data Sheet				Rosenberger			
SMP		Straight Plug PCB Limited Detent		19S10A-400L5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 26.5 GHz					
Return loss		≥ 26 dB, DC to 6 GHz					
		≥ 20 dB, 6 to 12 GHz					
Insertion loss		≤ 0.05 x √f(GHz)dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 6.0 mΩ					
Outer contact resistance		≤ 2.0 mΩ					
Test voltage		500 V rms					
Working voltage		335 V rms					
Contact Current		1.2A DC max.					
- Connector only, VSWR in application depends decisive on PCB layout -							
Mechanical data							
Mating cycles		≥ 500					
Center contact captivation		≥ 7 N					
Engagement force							
- limited detent		45 N max.					
Disengagement force							
- limited detent		9 N min.					
Environmental data							
Temperature range		-65 °C to +155 °C					
Rapid change of temperature		IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)					
Vibration		MIL-STD-202, Method 204, Condition B					
Shock		MIL-STD-202, Method 213, Condition A					
Damp heat		IEC 60068-2-78 (40°C, 93% RH, 56d)					
High temperature endurance		IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)					
Max. soldering temperature		IEC 61760-1, +260 °C for 10 sec.					
RoHS		compliant					
Tooling							
							N/A
Suitable cables							
							N/A
Weight							
Weight							0.5 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.							
For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.							
							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	26.08.05	Lukas Bombik	01.03.22	J00	22-0403	Tobi Stadler	01.03.22
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