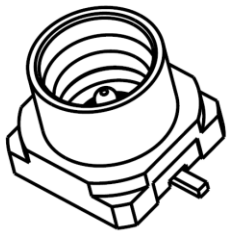
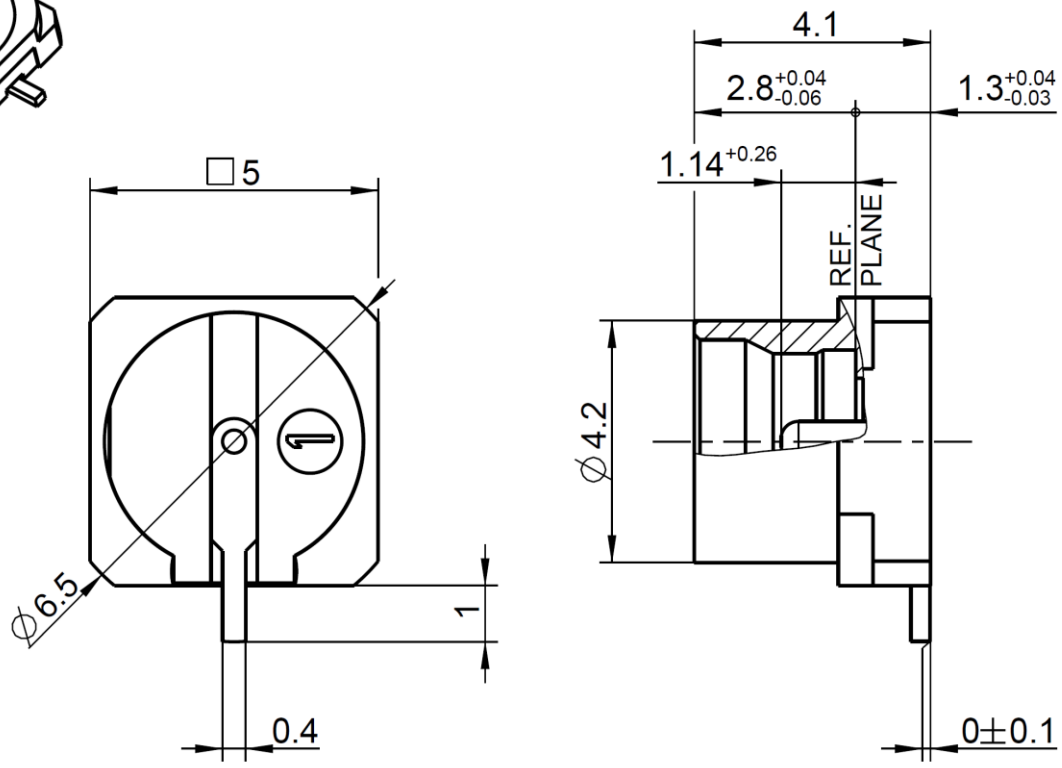
TECHNICAL DATA SHEET	Rosenberger
Long-wipe SMP STRAIGHT PLUG PCB LIMITED DETENT	**17S101-40ML5**





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

Interface

According to	Long Wipe SMP	Rosenberger 17S000-000

Documents

PCB layout	B 120
Tape & reel packaging	VG01.01M00

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur, gold plated
Outer contact	Brass	AuroDur, gold plated
Dielectric	LCP	

RF_35/11.05/3.1

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ 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.

- 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
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	0.3 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.

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