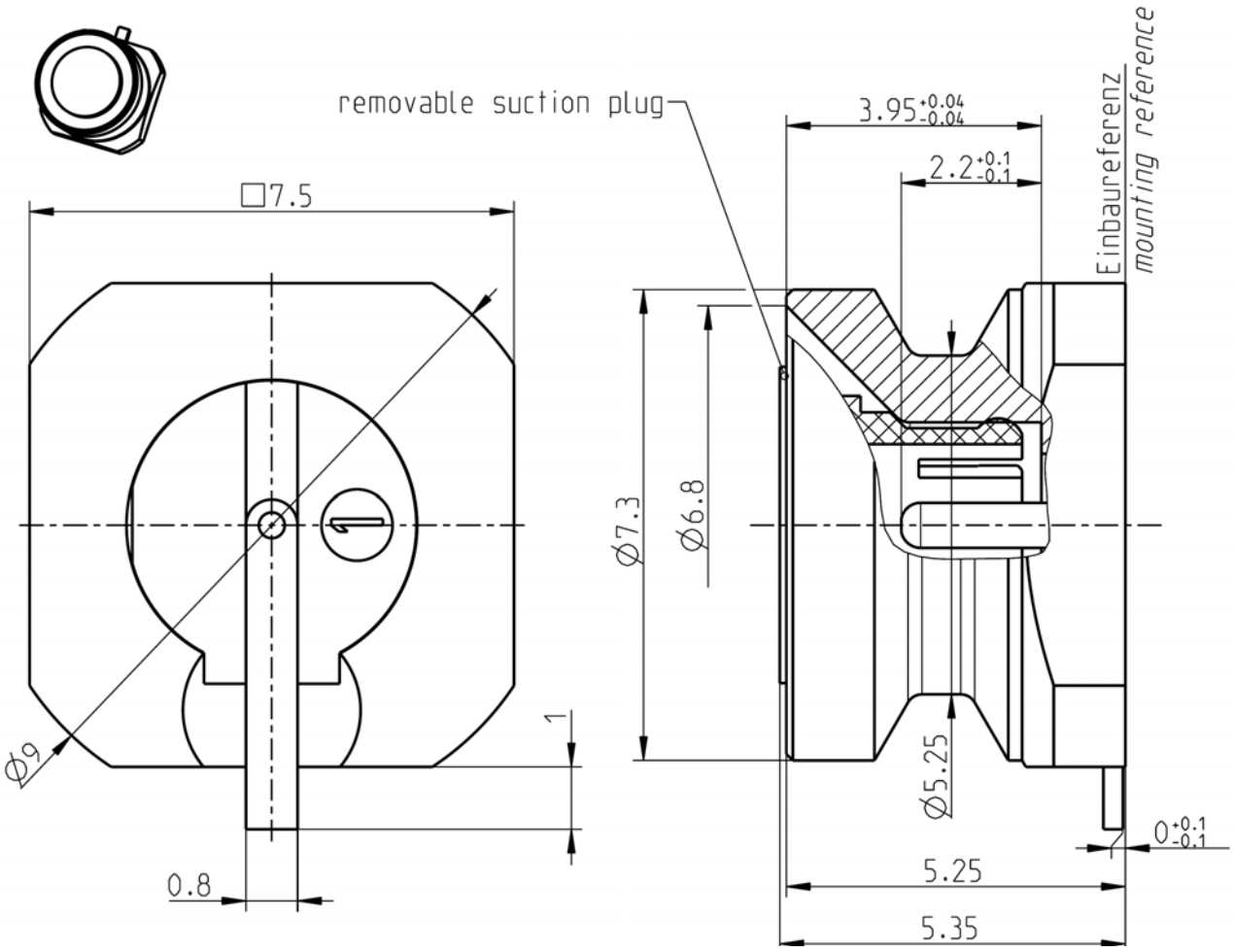
Technical Data Sheet		Rosenberger
Long-wipe SMP	STRAIGHT PLUG PCB CATCHERS MIT	**17S14F-40ML5**



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

Interface

Related to	MIL-STD-348A, Fig. 326
According to	Rosenberger 17S000-000

Documents

PCB Layout	B 127a

Material and plating

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

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 28 dB, DC to 3 GHz
	≥ 23 dB, 3 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 (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	1.2A DC max.

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 1000
Center contact captivation:	≥ 7 N
Engagement force	
- catchers mit	9 N max.
Disengagement force	
- catchers mit	2.2 N min.

Environmental data

Temperature range	-65 °C to +155 °C
Rapid change of temperature (related to SMP)	IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)
Vibration (related to SMP)	MIL-STD-202, Method 204, Condition B
Shock (related to SMP)	MIL-STD-202, Method 213, Condition A
Damp heat (related to SMP)	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+155°C, 250 hours)
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	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.

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S. Mühlbacher	31/01/12	Sa. Krautenbacher	11.03.14

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b00	14-0352	T. Krojer	11.03.14

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