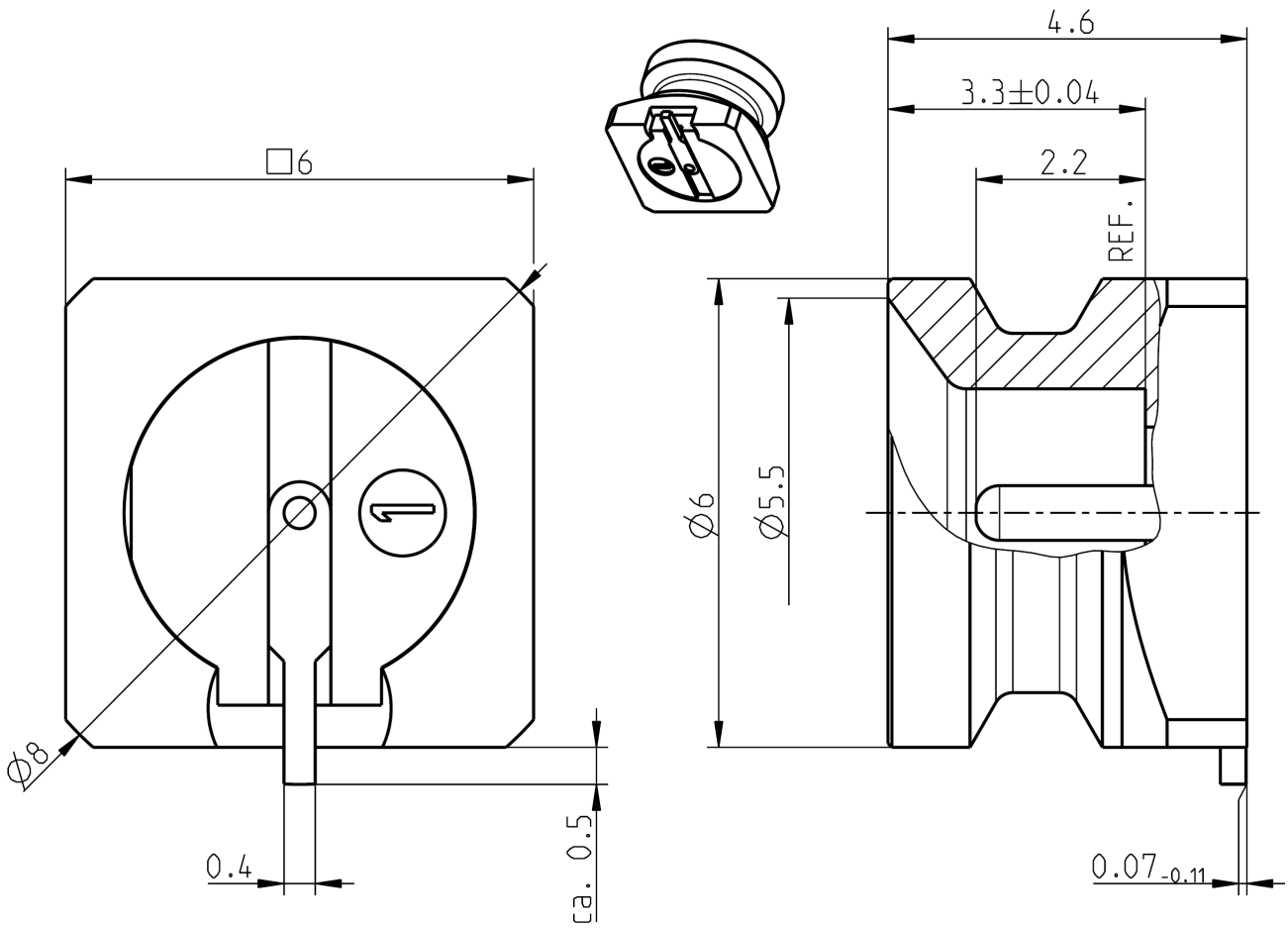
TECHNICAL DATA SHEET	Rosenberger
Long-wipe SMP STRAIGHT PLUG PCB CATCHERS MIT	**17S144-40ML5**



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

Interface

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

Documents

PCB layout	B127
Tape & reel packaging	VG23.75000

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 6 GHz
Return loss	≥ 28 dB, DC to 3 GHz ≥ 23 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB, DC to 12 GHz
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	≥ 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
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	0.7 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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