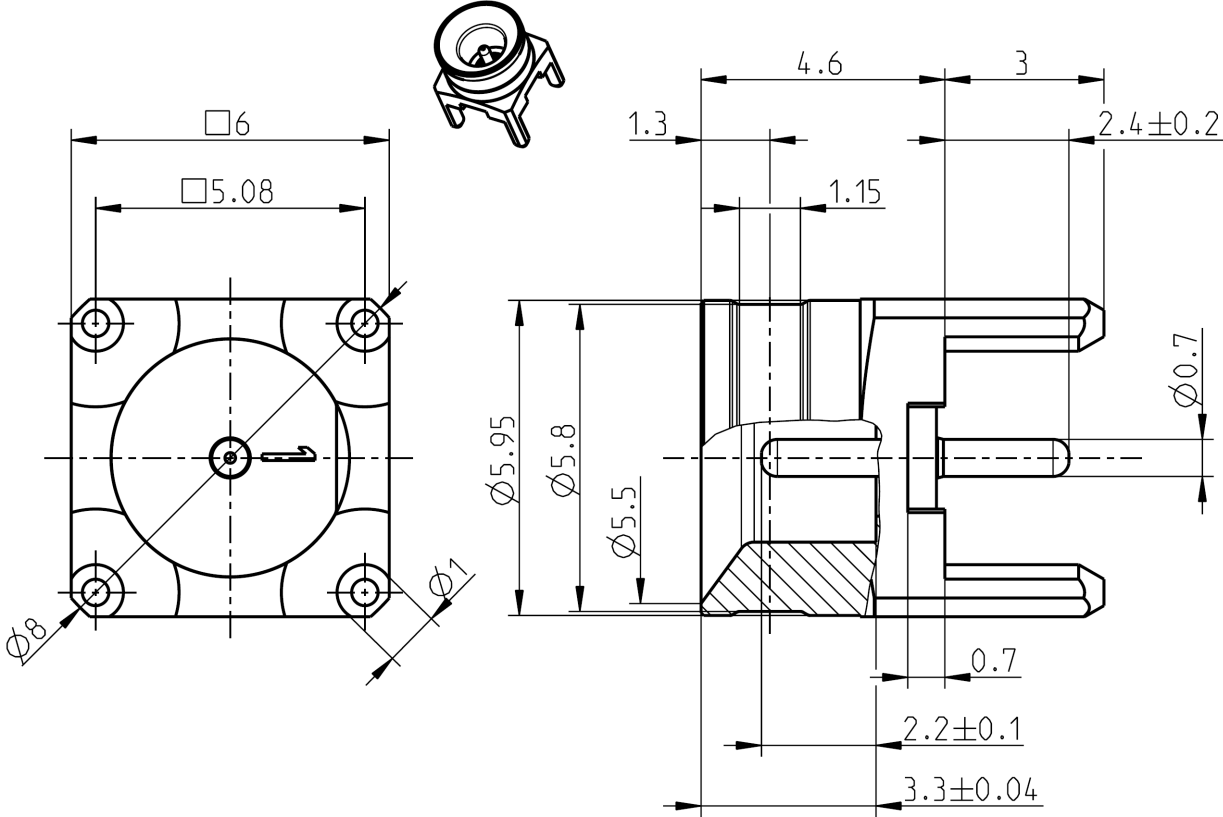


Technical Data Sheet		Rosenberger
Longwipe-SMP	Straight Plug PCB Catchers mitt	17S14D-400L5
		
All dimensions are in mm; tolerances acc. ISO 2768 m-H		
Interface		
According to		Rosenberger Longwipe SMP 17S/K000-000
Documents		
PCB layout		B 30
Tape & reel packaging		VG139.60000
Material and plating		
Connector parts		Material
Center contact		Brass
Outer contact		Brass
Dielectric		PEEK
		Plating
		AuroDur®, gold plated
		AuroDur®, gold plated
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de
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Technical Data Sheet				Rosenberger			
Longwipe-SMP		Straight Plug PCB Catchers mitt		17S14D-400L5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 6 GHz					
Return loss		≥ 28 dB @ DC to 3 GHz					
		≥ 23 dB @ 3 GHz to 6 GHz					
Insertion loss		≤ 0.05 x √f [GHz] dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 6 mΩ					
Outer contact resistance		≤ 2 mΩ					
Test voltage (at sea level)		500 V rms					
Working voltage (at sea level)		335 V rms					
Contact Current		≤ 1.2A DC					
- Connector only, Return loss in application depends decisive on PCB layout –							
Mechanical data							
Mating cycles							
if mating part is Smooth bore, Catchers mitt		≥ 1000					
Center contact captivation		≥ 7 N					
Engagement force							
- Smooth bore, Catchers mitt		≤ 9 N					
Disengagement force							
- Smooth bore, Catchers mitt		≥ 2.2 N					
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.					
RoHS		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Weight							
Weight		0.85 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	Rev.	Engineering change number	Name	Date
S. Mühlbacher	17.04.14	S_Muehlbacher	23.03.15	c00	14-1585	C_Vitzthum	23.03.15
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