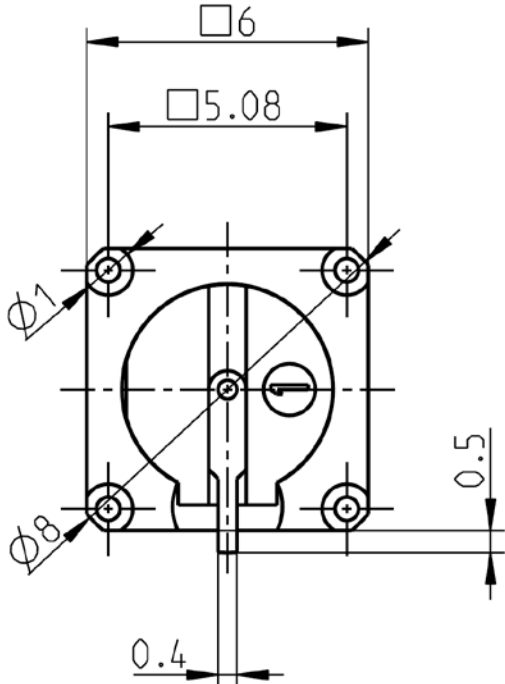
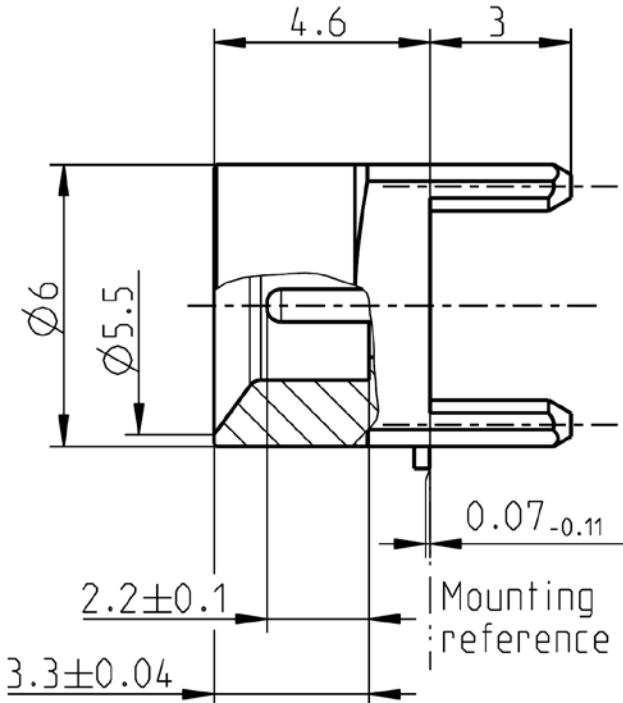


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RF_35/05.10/6.0

Technical Data Sheet		Rosenberger
Longwipe-SMP	STRAIGHT PLUG PCB CATCHERS MIT	17S145-40ML5
 		
All dimensions are in mm; tolerances acc. ISO 2768 m-H		
Interface		SMP: MIL-STD-348A, Fig. 326 Rosenberger Longwipe SMP
Documents		B 122 VG60.73000
Material and plating		
Connector parts	Material	Plating
Center contact	Spring bronze	AuroDur®, gold plated
Outer contact	Brass	AuroDur®, gold plated
Dielectric	LCP	
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 MIT		17S145-40ML5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage (at sea level) Working voltage (at sea level) Contact Current Intermodulation (3rd order) 50 Ω DC to 6 GHz ≥ 28 dB @ DC to 3 GHz ≥ 23 dB @ 3 GHz to 6 GHz ≤ 0.05 x √f [GHz] dB ≥ 5 GΩ ≤ 6 mΩ ≤ 2 mΩ 500 V rms 335 V rms ≤ 1.2A DC ≥ 150 dBc (2 x 43 dBm) - Connector only, Return loss in application depends decisive on PCB layout -							
Mechanical data Mating cycles if mating part is Smooth bore, Catchers mit Center contact captivation Engagement force - Smooth bore, Catchers mit Disengagement force - Smooth bore, Catchers mit ≥ 1000 ≥ 7 N ≤ 9 N ≥ 2.2 N							
Environmental data Temperature range Rapid change of temperature (related to SMP) Vibration (related to SMP) Shock (related to SMP) Damp heat (related to SMP) High temperature endurance Max. soldering temperature IEC 61760-1, +260 °C for 10 sec. RoHS -65 °C to +155 °C IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles) MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 213, Condition A IEC 60068-2-78 (40°C, 93% RH, 56d) IEC 60169-1, Sub-clause 18 (+155°C, 250 hours) 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.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	09/11/07	S_Muehlbacher	23.11.15	f00	15-1519	S. Krautenbacher	23.11.15
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