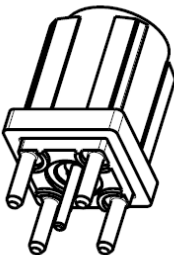
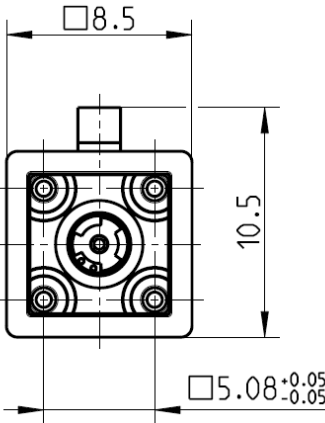
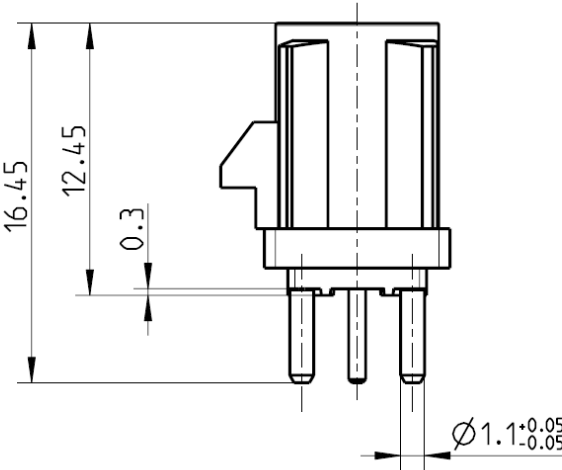
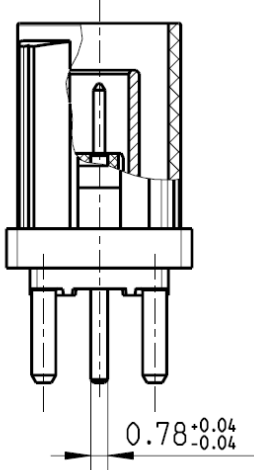
















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RF_35/05.10/6.2

Technical Data Sheet		Rosenberger
FAKRA - HF	STRAIGHT PLUG PCB	59S10H-400T5-Y
<div><div></div><div></div><div></div><div></div></div> <p>All dimensions are in mm; tolerances according to ISO 2768 m-H</p> <div><div>Interface</div><div>According to</div><div>DIN 72594-1 ; ISO 20860-1 (b)</div></div> <div><div>Documents</div><div>PCB layout Tape & reel packaging</div><div>MB_273 VG303.18500 (b)</div></div> <div><div>Material and plating</div><div><div>Connector parts</div><div>Center contact Outer contact Dielectric Housing</div></div><div><div>Material</div><div>Brass Brass PA 6T/66 PA 6T/66</div></div><div><div>Plating</div><div>Gold, min. 0.15 µm, over chemical nickel Tin, 6-8 µm</div></div></div>		
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	
FAKRA - HF	STRAIGHT PLUG PCB	59S10H-400T5-Y	
<div>Electrical data</div> <div><div>Impedance</div><div>Frequency</div><div>Return loss</div><div>Insertion loss</div><div>Insulation resistance</div><div>Center contact resistance</div><div>Outer contact resistance</div><div>Test voltage</div><div>Working voltage</div><div>Power current</div></div> <div><div>50</div><div>DC to 6 GHz</div><div>≥ 26 dB, DC to 1 GHz</div><div>≤ 0.1 x √f(GHz) dB</div><div>≥ 1x10³ MΩ</div><div>≤ 5 mΩ</div><div>≤ 5 mΩ</div><div>750 V rms</div><div>335 V rms</div><div>≤ 1 A DC</div></div> <div>- Connector only, VSWR in application depends decisive on PCB layout</div>			
<div>Mechanical data</div> <div><div>Mating cycles</div><div>Engagement force</div><div>Disengagement force</div><div>Retention force latch</div><div>Coding efficiency</div></div> <div><div>≥ 25</div><div>≤ 25 N</div><div>≥ 2 N</div><div>≥ 110 N</div><div>≥ 40 N</div></div>			
<div>Environmental data</div> <div><div>Temperature range</div><div>Thermal shock</div><div>Temperature and humidity</div><div>Vibration and mechanical shock</div><div>Dry heat</div><div>Soldering profile</div><div>RoHS</div></div> <div><div>-40°C to +105°C</div><div>DIN 72594-2 clause 8.2</div><div>DIN 72594-2 clause 8.3</div><div>DIN 72594-2 clause 8.1</div><div>DIN 72594-2 clause 8.4</div><div>acc. IEC 60068-2-58 Group 3&4</div><div>compliant</div></div> <div><div>b</div></div>			
<div>Tooling</div> <div><div>N/A</div></div>			
<div>Packing</div> <div><div>Standard</div><div>Weight</div></div> <div><div>185 pcs in tape & reel / 100 pcs in blister</div><div>1.65 g/pc</div></div> <div><div><div>b</div><div>c</div></div></div>			
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Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S10H-400T5-A
 B	white	sim. 9001	59S10H-400T5-B
 C	blue	sim. 5005	59S10H-400T5-C
 D	bordeauxviolet	sim. 4004	59S10H-400T5-D
 E	green	sim. 6002	59S10H-400T5-E
 F	brown	sim. 8011	59S10H-400T5-F
 G	grey	sim. 7031	59S10H-400T5-G
 H	violet	sim. 4003	59S10H-400T5-H
 I	beige	sim. 1001	59S10H-400T5-I
 K	curry	sim. 1027	59S10H-400T5-K
 L	carmine-red	sim. 3002	59S10H-400T5-L
 M	pastel-orange	sim. 2003	59S10H-400T5-M
 N	white-green	sim. 6019	59S10H-400T5-N
 Z	waterblue	sim. 5021	59S10H-400T5-Z

Change Historie

Rev.	Date	Change
b00	14.06.16	Documents: - VG42.20000 to VG303.18500 Interface: - ISO 20860-1 added Environmental data: - Environmental data specification changed from " DIN 72594-2 clause 6.x" to "...8.x" - specification changed from "2002/95/EC (RoHS)" to "RoHS" Packing: - Standard 185 pcs in tape & reel
c00	25.10.17	Packing: - added 100 pcs in blister

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
C. Stadler	14.08.07	C. Düh	25.10.17	c00	17-1762	B. Lorenz	25.10.17