

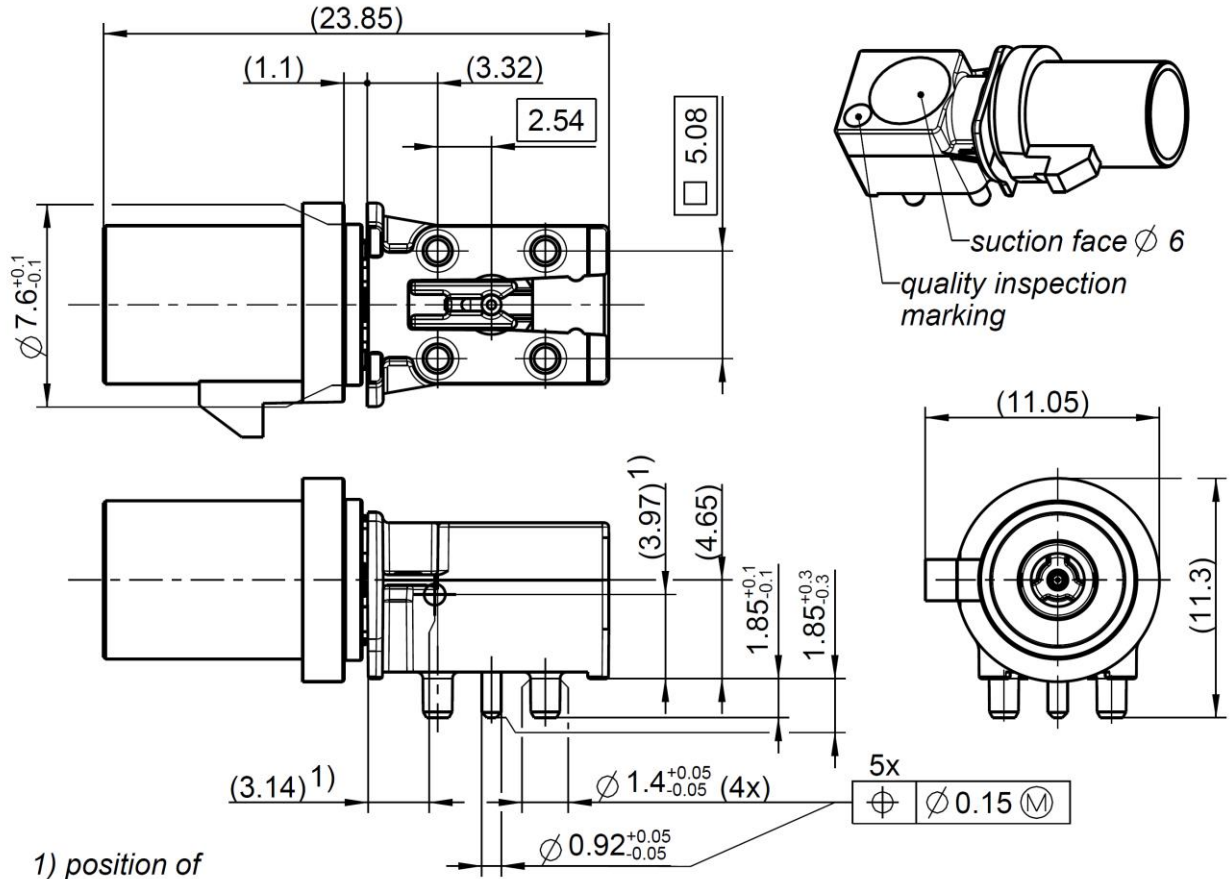
Technical Data Sheet

Rosenberger

FAKRA-HF

RIGHT ANGLE PLUG
FOR PCB

59S2RK-40MT5-Y



Interface

According to

ISO 20860-1

Documents

PCB layout
Tray packaging
Tape & reel packaging

MB_601
VB_BL005 250x135x18
VG536.40000

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material

Brass
Zinc alloy
HTN
HTN

Plating

AuroDur®, gold plated
Tin, 2 µm min.

Preliminary

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FAKRA-HF	RIGHT ANGLE PLUG FOR PCB	59S2RK-40MT5-Y
Electrical data Impedance 50 Ω Frequency DC to 6 GHz Return loss ≥ 21 dB (DC to 3 GHz) Insertion loss ≤ 0.1 x √f(GHz) dB Insulation resistance ≥ 1 x10³ MΩ Center contact resistance ≤ 5 mΩ Outer contact resistance ≤ 5 mΩ Test voltage 750 V rms Working voltage ≤ 60 V DC Power current ≤ 1 A DC -Connector only, VSWR in application depends decisive on PCB layout- Mechanical data Mating cycles ≥ 25 Engagement force ≤ 35 N Disengagement force ≥ 2 N Retention force latch ≥ 110 N Coding efficiency ≥ 40 N Weight ~3,8 g/pce Environmental data Temperature range -40°C to +125°C Thermal shock ISO 20860-2 clause 9.2 Temperature and humidity ISO 20860-2 clause 9.3 Vibration and mechanical shock ISO 20860-2 clause 9.1 Dry heat ISO 20860-2 clause 9.4 Soldering profile acc. to IEC 60068-2-58 group3 (250°C / 30s) RoHS compliant Packing Standard 400 pce in tape & reel / 50 pce in blister tray Preliminary		
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 Page 2 / 3

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S2RK-40MT5-A
 B	white	sim. 9001	59S2RK-40MT5-B
 C	blue	sim. 5005	59S2RK-40MT5-C
 D	bordeauxviolet	sim. 4004	59S2RK-40MT5-D
 E	green	sim. 6002	59S2RK-40MT5-E
 F	brown	sim. 8011	59S2RK-40MT5-F
 G	grey	sim. 7031	59S2RK-40MT5-G
 H	violet	sim. 4003	59S2RK-40MT5-H
 I	beige	sim. 1001	59S2RK-40MT5-I
 K	curry	sim. 1027	59S2RK-40MT5-K
 L	carmine-red	sim. 3002	59S2RK-40MT5-L
 M	pastel-orange	sim. 2003	59S2RK-40MT5-M
 N	white-green	sim. 6019	59S2RK-40MT5-N
 Z	waterblue	sim. 5021	59S2RK-40MT5-Z

Preliminary

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
M. Gierer	28.11.17	B. Fritz	18.01.22	300	22-1703	G. Watat	18.01.22

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