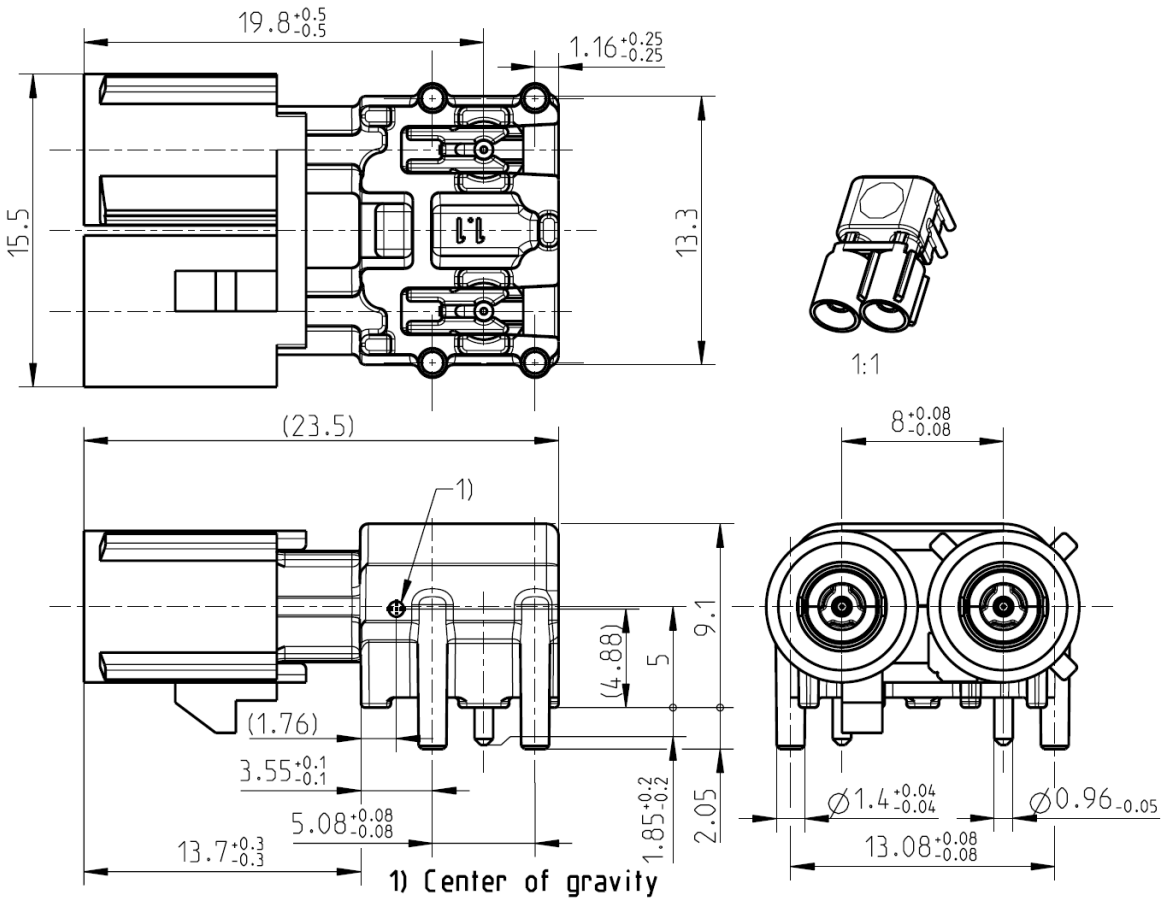
Technical Data Sheet		Rosenberger
FAKRA - HF	RIGHT ANGLE PLUG FOR PCB	**59S2MU-40MT5-Y**



All dimensions are in mm; tolerances according to ISO 2768 m-H
Y = Part number has to be accomplished by codification

Interface

According to	ISO 20860-1, USCAR 17, DIN 72594-1

Documents

PCB layout	MB_447
Tape & reel packaging	VG230.30000 (b)

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur®, gold plated
Outer contact	Zinc alloy	Tin, 2-6 µm
Dielectric	HTN	
Housing	HTN	

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Electrical data

Impedance	50 Ω
Frequency	DC to 6GHz
Return loss measured on 50Ω footprint	≥ 24dB (DC to 2,4GHz) ≥ 16dB (2,4GHz to 4GHz)
Insertion loss	≤ 0.1 x $\sqrt{f(GHz)}$dB
Insulation resistance	≥ 1x10^3 MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 50 N (b)
Disengagement force	≥ 2 N
Retention force plastic housing	≥ 110 N
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to 105°C
Thermal shock	DIN 72594-2 – Test group 8.2
Temperature and humidity	DIN 72594-2 – Test group 8.3
Vibration and mechanical shock	DIN 72594-2 – Test group 8.1
Dry heat	DIN 72594-2 – Test group 8.4
Soldering profile	260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Packing

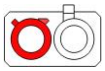
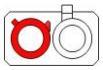
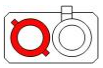
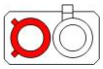
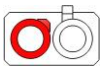
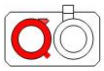
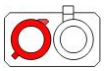
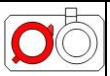
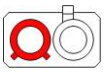
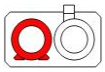
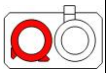
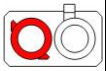
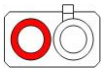
Standard	300 pcs in tape and reel
Weigh	6.65 g/pce

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Coding

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S2MU-40MT5-A
	B	white	sim. 9001	59S2MU-40MT5-B
	C	blue	sim. 5005	59S2MU-40MT5-C
	D	bordeauxviolet	sim. 4004	59S2MU-40MT5-D
	E	green	sim. 6002	59S2MU-40MT5-E
	F	brown	sim. 8011	59S2MU-40MT5-F
	G	grey	sim. 7031	59S2MU-40MT5-G
	H	violet	sim. 4003	59S2MU-40MT5-H
	I	beige	sim. 1001	59S2MU-40MT5-I
	K	curry	sim. 1027	59S2MU-40MT5-K
	L	carmine red	sim.3002	59S2MU-40MT5-L
	M	pastel orange	sim. 2003	59S2MU-40MT5-M
	N	pastel green	sim. 6019	59S2MU-40MT5-N
	Z	waterblue	sim. 5021	59S2MU-40MT5-Z

Change History

Rev.	Date	Change
b00	27.10.15	Added information Tape and reel packaging VG230.30000 Changed value ≤40N to ≤50N

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