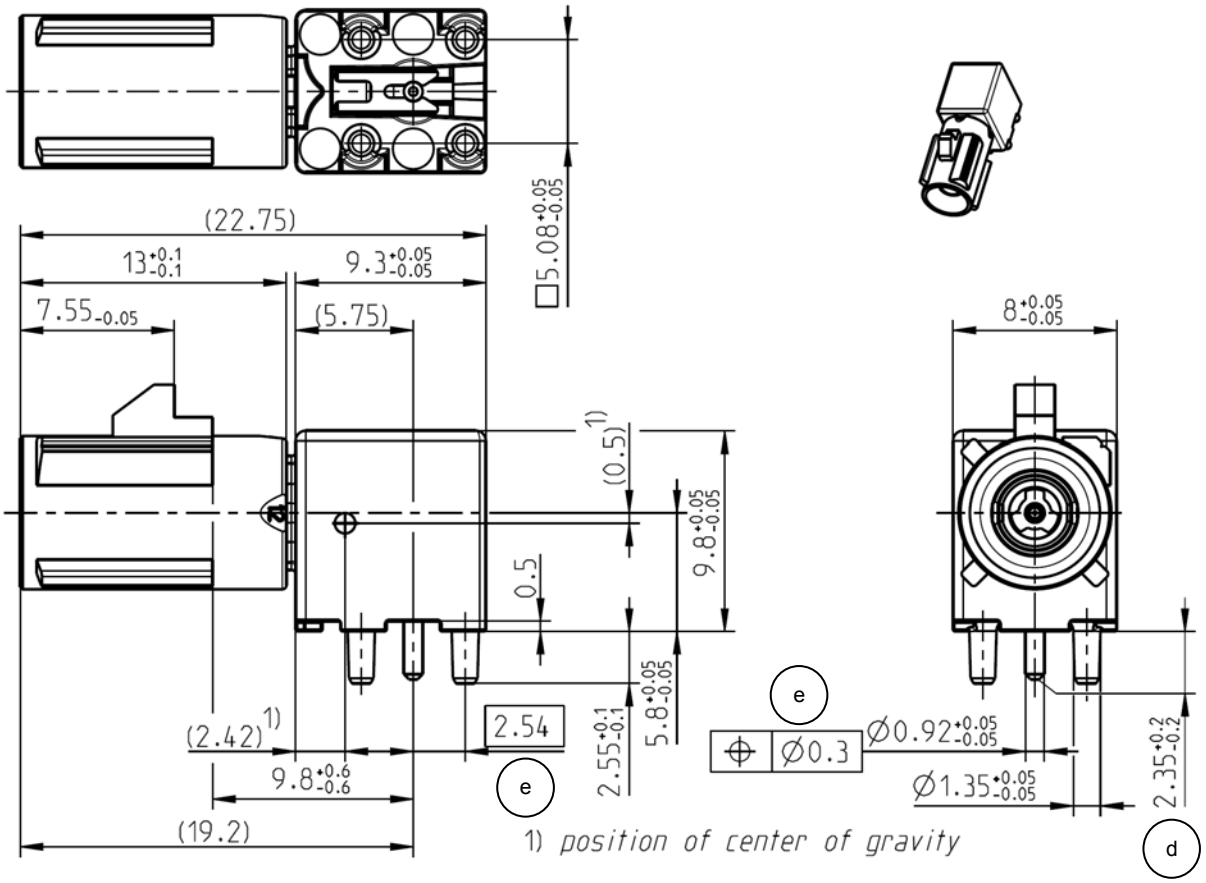
Technical Data Sheet	Rosenberger
FAKRA - HF / RIGHT ANGLE PLUG FOR PCB	**59S22B-40MT5-Y**



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

	Masse / *dimensions* (mm)			
Bereich / *range*	**0 bis/*to* 0.5**	**0.5 bis/*to* 3**	**3 bis/*to* 6**	**6 bis/*to* 30**
Toleranz / *Tolerance* (mm)	**± 0.05 *)**	**± 0.1**	**± 0.1**	**± 0.2**

*) Angabe abweichend zu / *Indication deviant to* DIN ISO 2768 m-H

Interface

According to	DIN 72594-1, USCAR 17

Documents

PCB layout	MB_281
Tape and reel packaging	VG 179.28800 VG 179.40000

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Material and plating

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

Electrical data

Impedance	50
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(GHz)}$ dB
Insulation resistance	$\geq 1 \times 10^3$ 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	≤ 25 N
Disengagement force	≥ 2 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
Soldering profile	acc. to IEC 60068-2-58 group3&4
RoHS	compliant

Tooling

N/A

Packing

Standard	50 pcs in blister, 288 pcs in tape & reel, +400 pcs in tape & reel on request
Weight	4,9 g/pce

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Coding

Part Number has to be accomplished by codification

e

Coding		Color	RAL	Part-Number	
	A	black	sim. 9005	59S22B-40MT5-A	
	B	white	sim. 9001	59S22B-40MT5-B	
	C	blue	sim. 5005	59S22B-40MT5-C	
	D	bordeauxviolet	sim. 4004	59S22B-40MT5-D	
	E	green	sim. 6002	59S22B-40MT5-E	
	F	brown	sim. 8011	59S22B-40MT5-F	
	G	grey	sim. 7031	59S22B-40MT5-G	
	H	violet	sim. 4003	59S22B-40MT5-H	
	I	beige	sim. 1001	59S22B-40MT5-I	
	K	curry	sim. 1027	59S22B-40MT5-K	
	L	carmine-red	sim. 3002	59S22B-40MT5-L	f
	M	pastel-orange	sim. 2003	59S22B-40MT5-M	
	N	white-green	sim. 6019	59S22B-40MT5-N	f
	Z	waterblue	sim. 5021	59S22B-40MT5-Z	

Change History

Rev.	Date	Change
d00	09.09.14	Dimension changed from 2,35±0,1 to 2,35±0,2
e00	20.01.15	added missing L-,M-,N-Color Code and additional dimension, tolerance
f00	19.10.16	Part number for coding L and N corrected

Draft	Date	Approved	Date
M. Ruf	23.04.08	M. Brixner	19.10.16

Rev.	Engineering change number	Name	Date
f00	16-1667	R. Hochheim	29.07.13

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