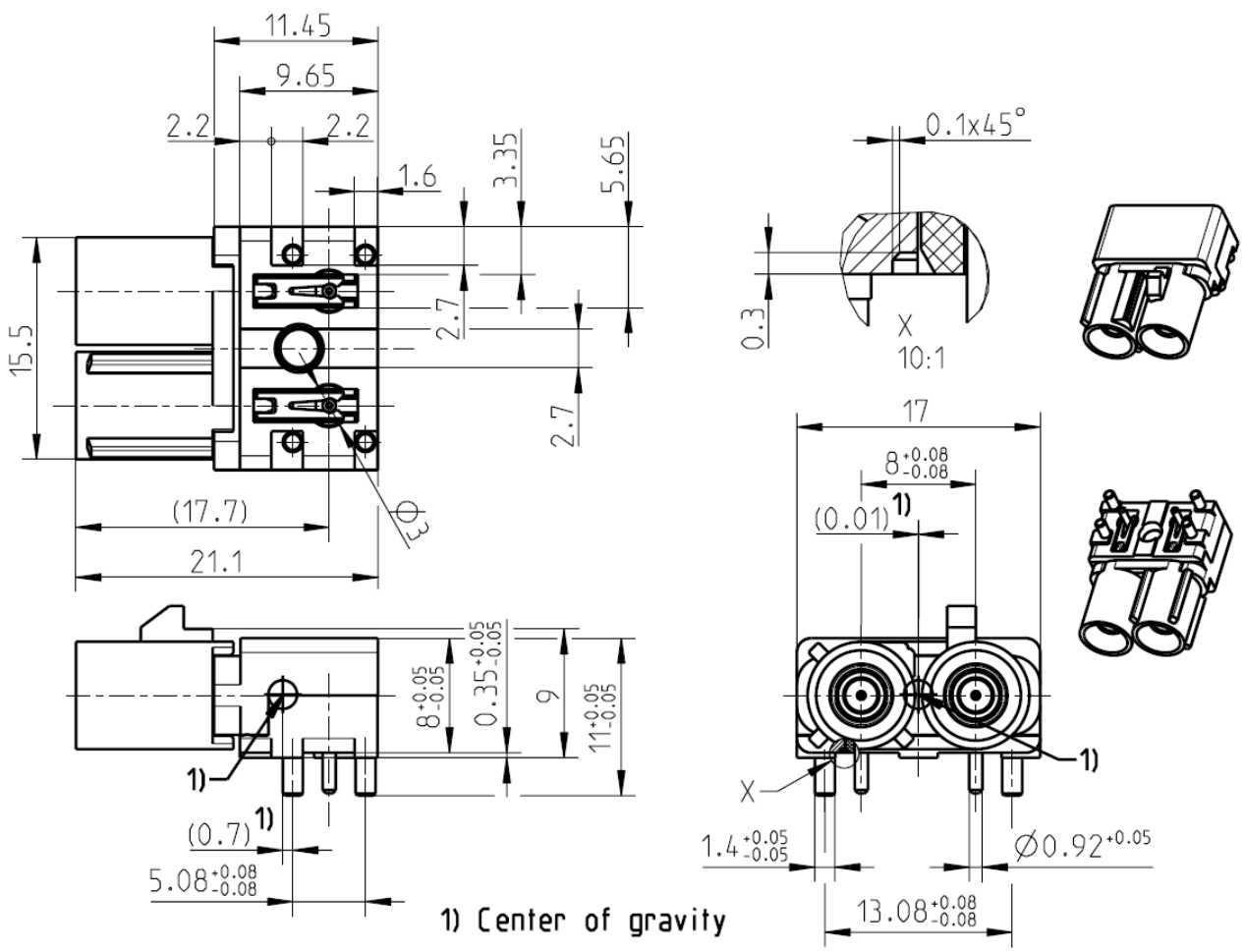
TECHNICAL DATA SHEET	Rosenberger
FAKRA - HF RIGHT ANGLE PLUG FOR PCB	**59S2AA-400A5-Y**



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

Interface

According to	DIN 72594-1

Documents

Assembly instruction	MA_59V054
PCB layout	MB_187
Tape & reel packaging	VG_75.20000

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur®, gold plated
Outer contact	Zinc alloy	Nickel, 2.5-5 µm
Body	Zinc alloy	Tin, 2-5 µm, over Nickel 1-5µm
Dielectric	PA 6.6T	
Housing	PA 6T/66	

RF_35/12.04/3.0

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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	≤ 25 N
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 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
Soldering profile	acc. IEC 60068-2-58 group 3&4
2002/95/EC (RoHS)	compliant

Tooling

N/A

Packing

Standard	50 pcs. in blister tray, 200 pcs. on tape and reel
Weight	9.8 g/pce

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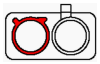
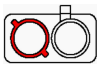
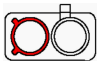
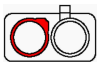
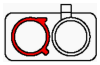
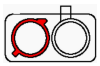
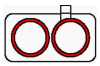
Coding

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S2AA-400A5-A
	B	white	sim. 9001	59S2AA-400A5-B
	C	blue	sim. 5005	59S2AA-400A5-C
	D	bordeauxviolet	sim. 4004	59S2AA-400A5-D
	E	green	sim. 6002	59S2AA-400A5-E
	F	brown	sim. 8011	59S2AA-400A5-F
	G	grey	sim. 7031	59S2AA-400A5-G
	H	violet	sim. 4003	59S2AA-400A5-H
	I	beige	sim. 1001	59S2AA-400A5-I
	K	curry	sim. 1027	59S2AA-400A5-K
	Z	waterblue	sim. 5021	59S2AA-400A5-Z

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