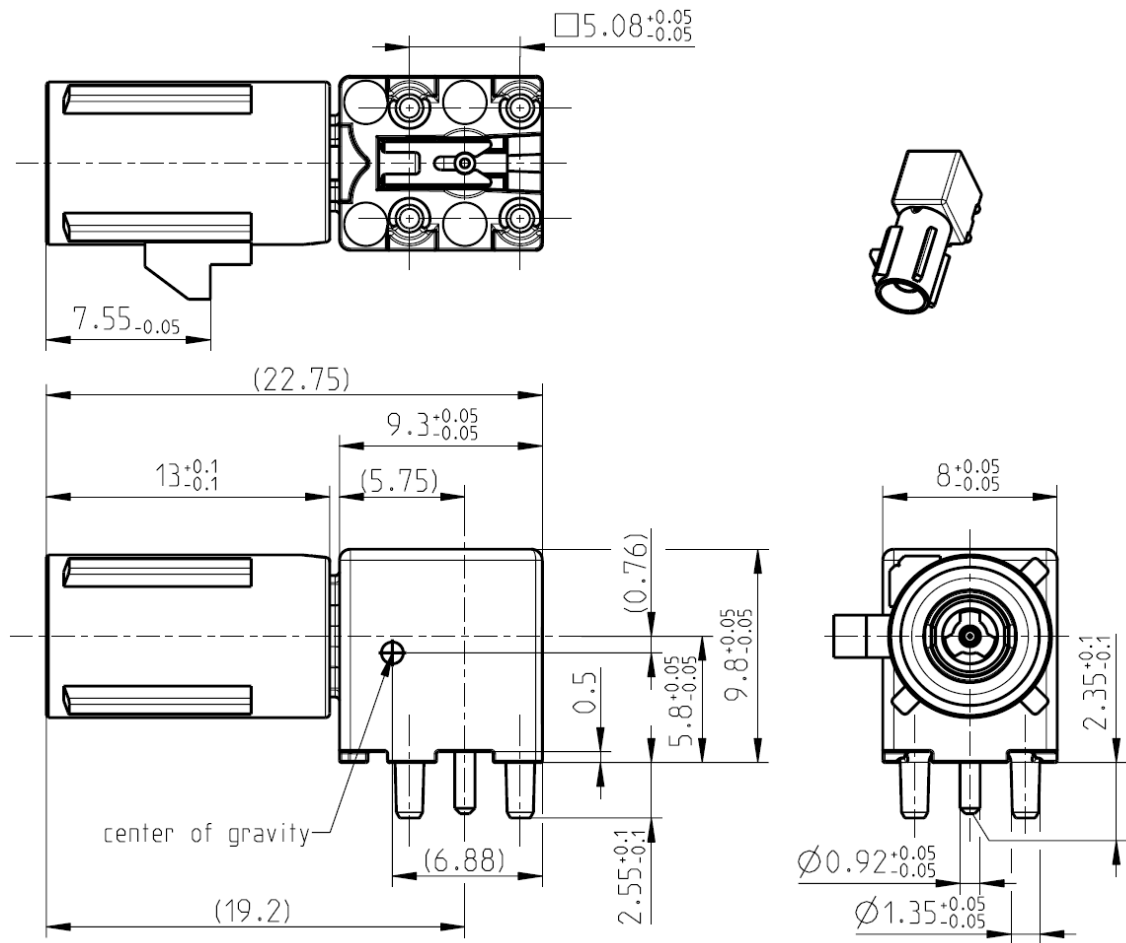




All dimensions are in mm; tolerances according to ISO 2768 m-H
Y = Part number has to be accomplished by codification

	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

VG223.32500

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material

Brass
Zinc alloy
PA 6T/66
PA 6T/66

Plating

AuroDur®, gold plated
Tin, 6-8 µm

Electrical data

Impedance 50
Frequency DC to 6 GHz
Return loss ≥ 26 dB, DC to 1 GHz
Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ 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
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. to IEC 60068-2-58 group3&4
2002/95/EC (RoHS) compliant

Tooling

N/A

Packing

Standard 50 pcs in blister, 325 pcs. in tape & reel
Weight 4,7 g/pce

Technical Data Sheet

Rosenberger

FAKRA

PLUG FOR PCB

59S24B-40MT5-Y

Coding

Part number has to be accomplished by codification

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S24B-40MT5_A
	B	white	sim. 9001	59S24B-40MT5_B
	C	blue	sim. 5005	59S24B-40MT5_C
	D	bordeauxviolet	sim. 4004	59S24B-40MT5_D
	E	green	sim. 6002	59S24B-40MT5_E
	F	brown	sim. 8011	59S24B-40MT5_F
	G	grey	sim. 7031	59S24B-40MT5_G
	H	violet	sim. 4003	59S24B-40MT5_H
	I	beige	sim. 1001	59S24B-40MT5_I
	K	curry	sim. 1027	59S24B-40MT5_K
	Z	waterblue	sim. 5021	59S24B-40MT5_Z

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. Pemwieser	31/01/13	J. Ermel	15/02/13	200	13-0184	M. Pemwieser	15/02/13

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