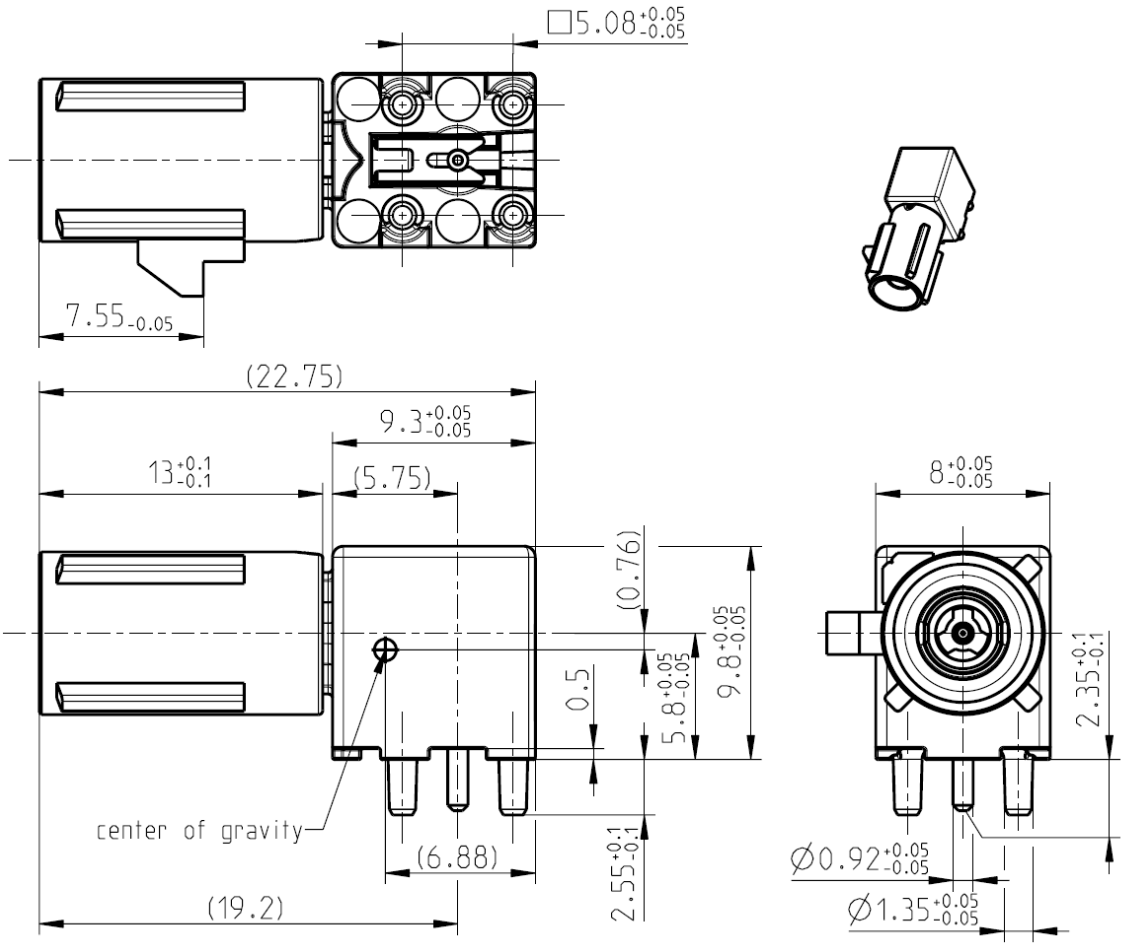
Technical Data Sheet		Rosenberger
FAKRA	PLUG FOR PCB	**59S24B-40MT5-Y**



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	VG223.32500

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Material and plating

Connector parts	Material	Plating
Center contact	Brass	AuroDur®, gold plated
Outer contact	Zinc alloy	Tin, 6-8 µm
Dielectric	PA 6T/66	
Housing	PA 6T/66	

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
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40℃ to +105℃
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

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