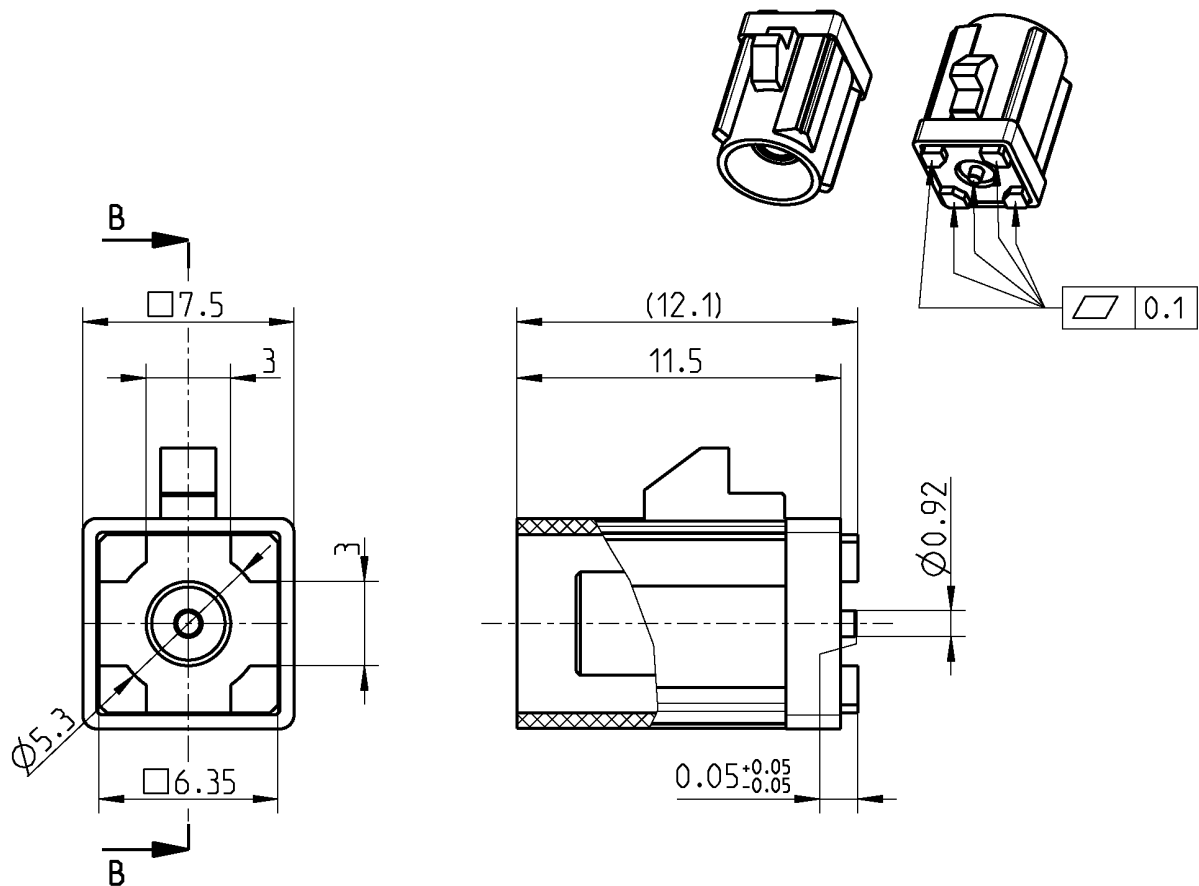




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to DIN 72594-1

Documents

Panel piercing MB_147

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material

Brass
Brass
PTFE
PA 6.6T

Plating

Gold, min. 0.8 µm, over chemical nickel
Gold, 0.15 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	$\geq 1 \times 10^3$ M Ω
Center contact resistance	≤ 5 m Ω
Outer contact resistance	≤ 5 m Ω
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
Retention force primary lock	≥ 80 N
Retention force secondary lock	≥ 60 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

Tooling

N/A

Packing

Standard	200 pcs in tape and reel
Weight	1.0 g/pce

Coding

Part Number has to be accomplished by codification

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S10A-40MF4_A
	B	white	sim. 9001	59S10A-40MF4_B
	C	blue	sim. 5005	59S10A-40MF4_C
	D	bordeauxviolet	sim. 4004	59S10A-40MF4_D
	E	green	sim. 6002	59S10A-40MF4_E
	F	brown	sim. 8011	59S10A-40MF4_F
	G	grey	sim. 7031	59S10A-40MF4_G
	H	violet	sim. 4003	59S10A-40MF4_H
	I	beige	sim. 1001	59S10A-40MF4_I
	K	curry	sim. 1027	59S10A-40MF4_K
	Z	waterblue	sim. 5021	59S10A-40MF4_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
Zebhauser	10/02/05	Lankes	15.03.05	b00	05-0269	Oberhöller	23/05/05
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de			Page 3 / 3