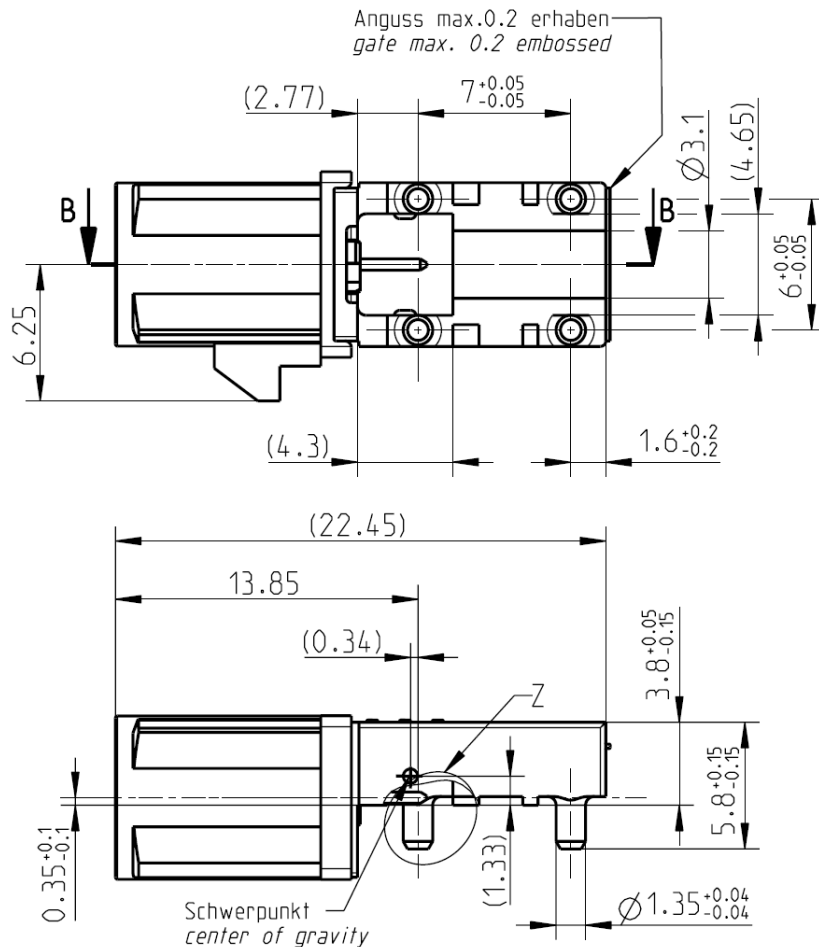
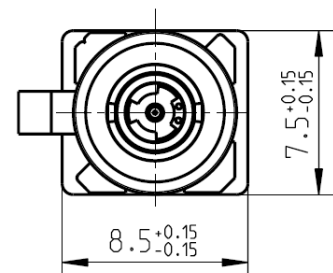
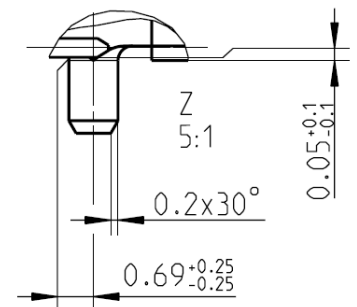




Ansaugflaeche Ø6.8
suction face Ø6.8
keine Beschriftung
no marking
keine Auswerfer Markierungen
no ejector marks
keine Werkzeugtrennung
no parting line



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

acc. MA_59V032

PCB layout

MB_355; MB_172

Tape & reel packaging

VG121.30000

Material and plating

Connector parts

Center contact
Center contact alternative
Outer contact
Dielectric
Housing

Material

Brass
Spring bronze
Zinc alloy
PA6T/66
PA6T/66

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Tin, 2-5 µm, over Nickel 1-5 µm

Electrical data

Impedance	50 Ω
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
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; Group 3&4
2002/95/EC (RoHS)	compliant

Tooling

N/A

Packing

Standard	300 pcs in tape & reel
Weight	2,4 g/pce

Coding

Part Number has to be accomplished by codification

Coding		Color	RAL	Part-Number
	A	black	sim. 9005	59S2RQ-40MT5-A
	B	white	sim. 9001	59S2RQ -40MT5-B
	C	blue	sim. 5005	59S2RQ -40MT5-C
	D	bordeauxviolet	sim. 4004	59S2RQ -40MT5-D
	E	green	sim. 6002	59S2RQ -40MT5-E
	F	brown	sim. 8011	59S2RQ -40MT5-F
	G	grey	sim. 7031	59S2RQ -40MT5-G
	H	violet	sim. 4003	59S2RQ -40MT5-H
	I	beige	sim. 1001	59S2RQ-40MT5-I
	K	curry	sim. 1027	59S2RQ-40MT5-K
	L	carmine-red	sim. 3002	59S2RQ-40MT5-L
	M	pastel-orange	sim. 2003	59S2RQ-40MT5-M
	N	white-green	sim. 6019	59S2RQ-40MT5-N
	Z	waterblue	sim. 5021	59S2RQ-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
Höfling, Thomas	28/10/09	Thomas Höfling	07/09/11	b00	11-0798	Torsten Trenz	07/09/11
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