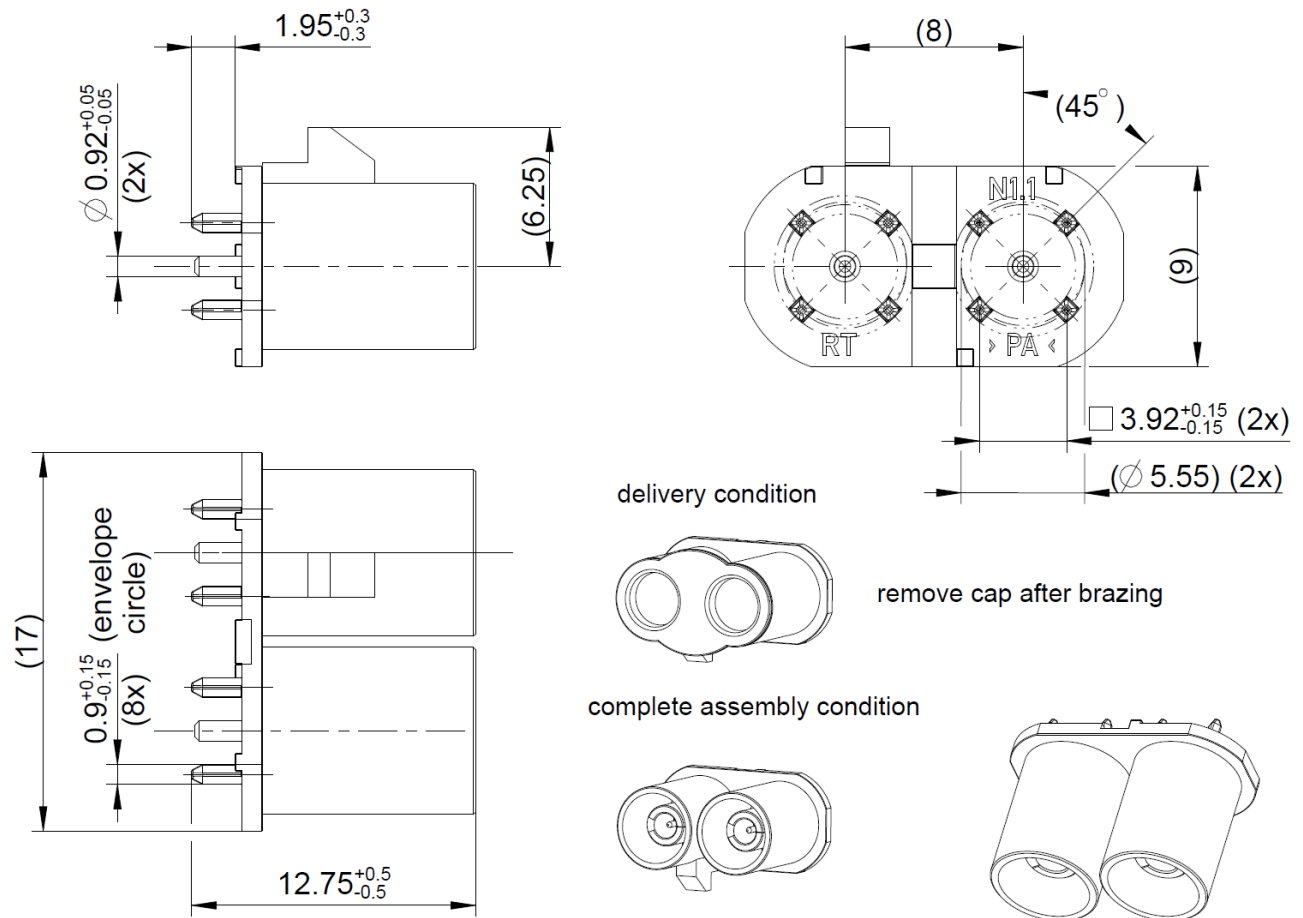


Technical Data Sheet

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PLUG FOR PCB

59S11K-40MT5-Y

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

Interface

According to

DIN 72594-1, ISO 20860-1

DocumentsPCB layout
Tape & reel packagingMB_506
VG261.26500**Material and plating****Connector parts**Center contact
Outer contact
Housing
Calibration and sucking cap**Material**Brass
Brass
HTN
HTN**Plating**AuroDur®, gold plated
Tin, 3µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 23 dB (DC to 4 GHz)
	≥ 20 dB (4 GHz to 6 GHz)
Insertion loss	≤ 0.1 x √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	≤ 60 V DC
Power current	≤ 1 A DC

- Connector only, VSWR in application depends decisive on PCB layout –

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 65 N
Disengagement force	≥ 2 N
Coding efficiency	≥ 40 N
Mechanical Pull Test and Sideload Test	acc. to SAE-USCAR-17

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	ISO 20860-2 clause 9.2
Temperature and humidity	ISO 20860-2 clause 9.3
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Dry heat	ISO 20860-2 clause 9.4
Soldering profile	acc. to IEC 60068-2-58 group 3&4 (250 °C / 30 s)
RoHS	compliant

Packing

Standard	265 pcs on tape & reel
Weight	1,76g/pcs

Technical Data Sheet

Rosenberger

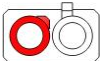
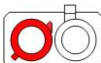
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PLUG FOR PCB

59S11K-40MT5-Y

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S11K-40MT5-A
 B	white	sim. 9001	59S11K-40MT5-B
 C	blue	sim. 5005	59S11K-40MT5-C
 D	bordeauxviolet	sim. 4004	59S11K-40MT5-D
 E	green	sim. 6002	59S11K-40MT5-E
 F	brown	sim. 8011	59S11K-40MT5-F
 G	grey	sim. 7031	59S11K-40MT5-G
 H	violet	sim. 4003	59S11K-40MT5-H
 I	beige	sim. 1001	59S11K-40MT5-I
 K	curry	sim. 1027	59S11K-40MT5-K
 L	carmine red	sim.3002	59S11K-40MT5-L
 M	pastel orange	sim. 2003	59S11K-40MT5-M
 N	pastel green	sim. 6019	59S11K-40MT5-N
 Z	waterblue	sim. 5021	59S11K-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
Manfred Ruf	01.09.08	F. Bachmeier	15.12.21	a00	21-s288	L. Türk	15.12.21
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