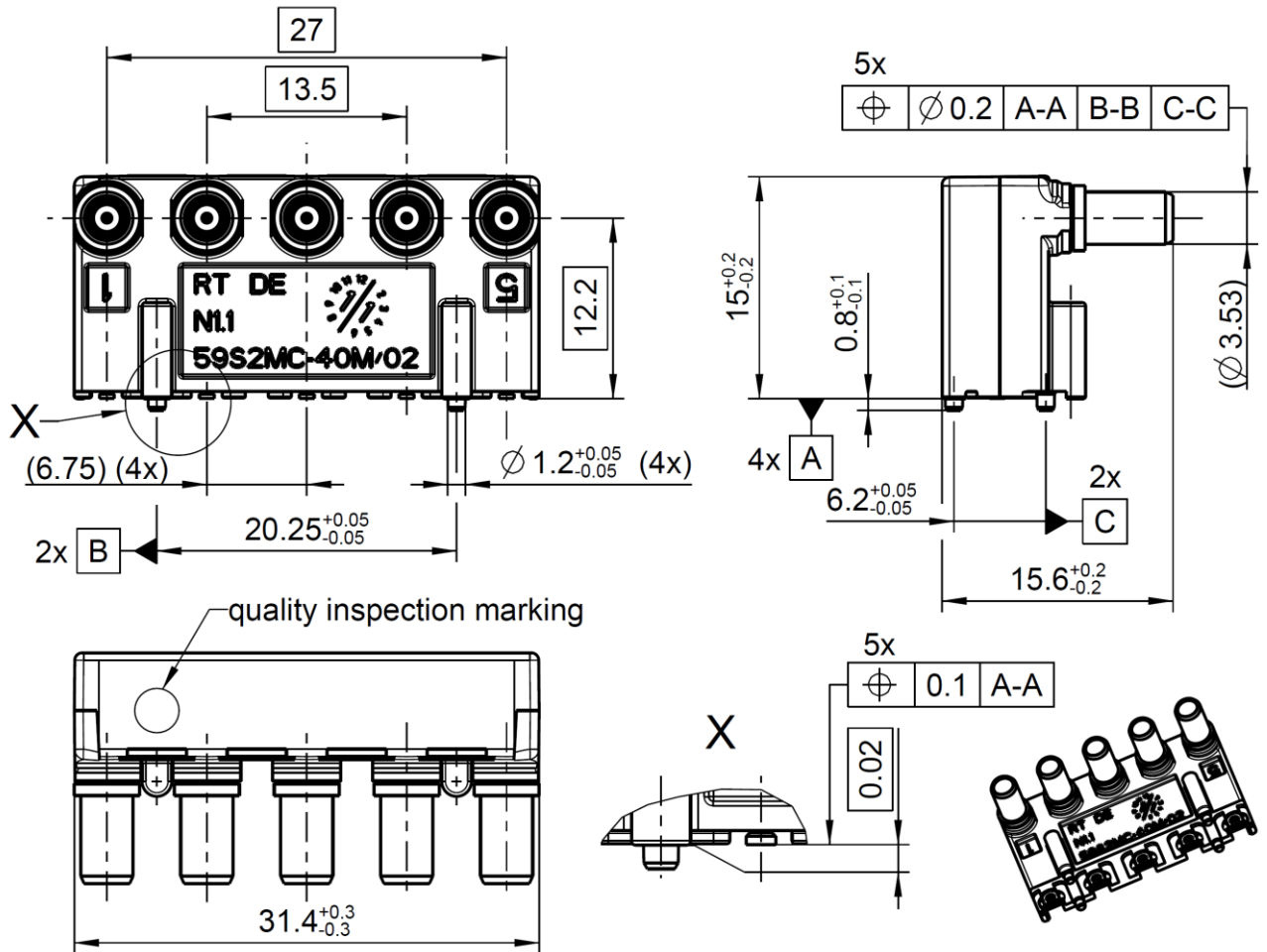


SMB

RIGHT ANGLE PLUG
PCB

59S2MC-40MT5



All dimensions are in mm

Documents

PCB layout
Tape & reel packaging

MB_563
VG299.14500

Material and plating

Connector parts

Center contacts
Outer contact Interface
Outer contact PCB
Dielectric

Material

Spring bronze
Brass
Zinc alloy
HTN

Plating

AuroDur®, gold plated
Nickel, 3 µm min.
Tin, 2 µm min. over Nickel

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz ≥ 22 dB, 1 GHz to 3 GHz ≥ 20 dB, 3 GHz to 6 GHz
Insertion loss	≤ 0.2 dB, DC to 6 GHz
Isolation (NEXT/FEXT)	≥ 40 dB, DC to 6 GHz
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
DC Resistance	≤ 50 mΩ
DC Current Max	300 mA
Test voltage	300 V rms
Working voltage	150 V rms
RF-leakage	≥ 50 dB, DC to 3 GHz ≥ 40 dB, 3 GHz to 6 GHz

*All electrical data are based on the mated pair
VSWR in application depends decisive on PCB layout
Limitations are possible due to the used counter jack*

Mechanical data

Mating cycles	≥ 55
Engagement force	≤ 40 N
Disengagement force	≤ 40 N
Lateral force at max. deflection	≤ 40 N
Tolerance compensation based on statistical tolerance calculation in combination with suitable connector	max. 0.5 mm X-/Y-/Z-axis (exclusive, without tolerances of manufacturing)

Environmental data

Temperature range	-40°C to +105°C
Qualification according to	LV214
Max. soldering temperature	acc. IEC 60068-2-58, group 3 (250°C/30s)
RoHS	compliant

Suitable connector

59K2MP-40MT5

Packing

Standard	145 pcs in tape & reel 30 pcs in tray
Weight	16,8 g

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. Bieberbach	28.08.15	T. Georg	26.06.18	900	18-1084	B. Gey	26.06.18

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