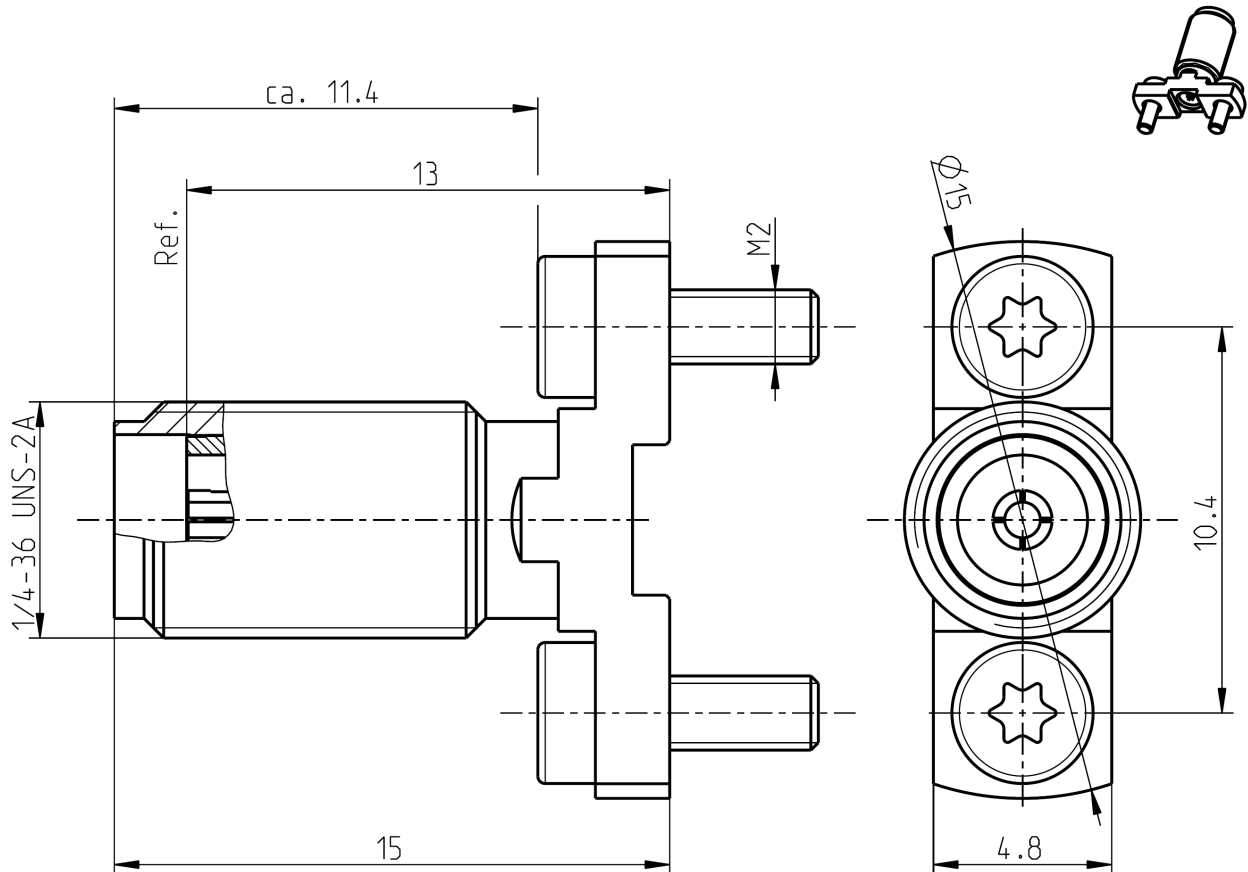




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanical compatible with
Center conductor
To mate with

IEC 60169-23
RPC-2.92 and SMA
glued
99S205-40ML5, 99S2A5-40ML5

Documents

Datasheet

99S205-40ML5, 99S2A5-40ML5

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Screws
Glue

Material

CuBe
CuBe or equiv.
PTFE
Stainless steel
2 Component adhesive

Plating

Gold, min. 1.27 µm, over chemical nickel
AuroDur®, gold plated
Tuflock coating

TECHNICAL DATA SHEET

Rosenberger

RPC-3.50

**JACK PCB
2-HOLE FLANGE**

03K701-800L3

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 20 dB, DC to 26.5 GHz
Insertion loss	≤ 0.01 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	750 V rms
Working voltage	250 V rms

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm
Recommended torque fastening screws	0.3 Nm

Environmental data

Temperature range	-40°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

3.5 g/pce

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
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