

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

Interface

According to 15K101-40M
IEC 60169-15

Suitable cables

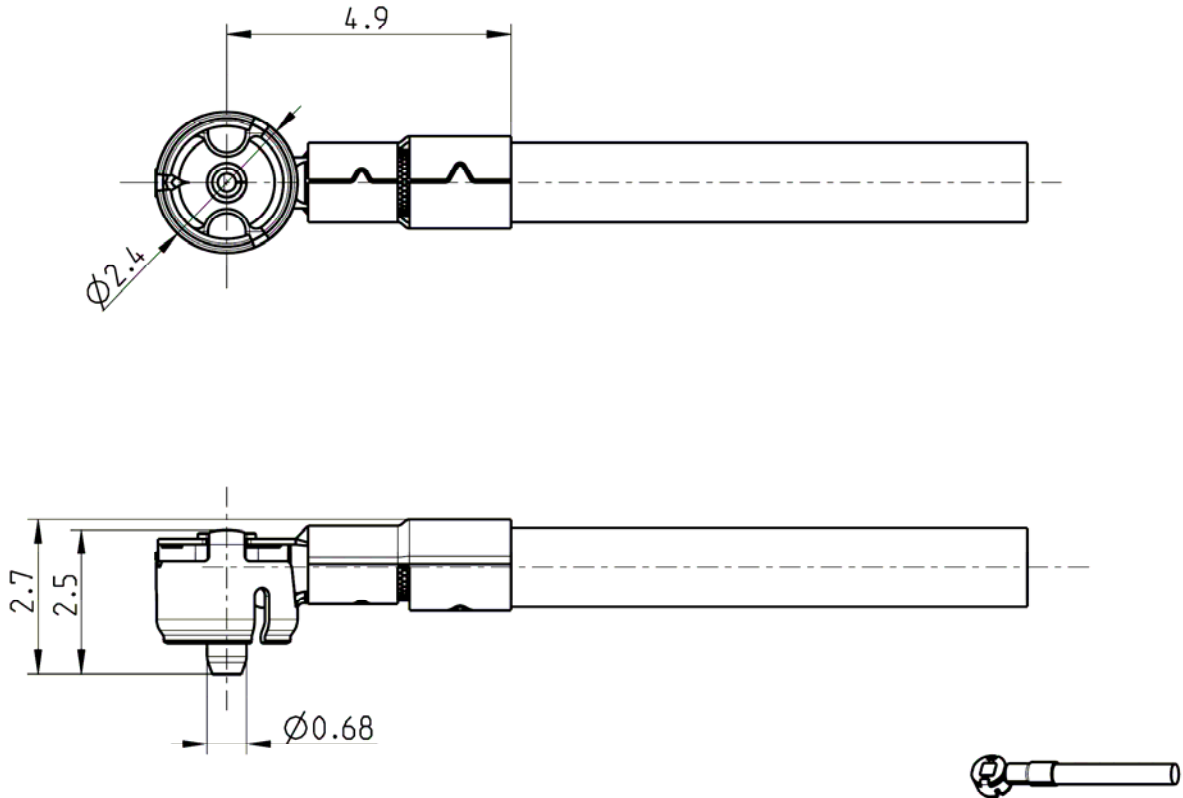
RTK 013, cable group H1
Micro coax cable d=1.37mm, center conductor AWG30
Connector are only sold with cable
Minimum bending radius single 4x \varnothing
Minimum bending radius repeated 8x \varnothing

Available Variants

Type	Cable	Length a [mm]	Revision
LH1-026-300	H1	300	

Standard length available and customized length on request.

Technical Data 15S201-1H1



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Interface

According to 15K101-40M RF Test Switch

Material and plating

Connector parts

Center contact
Outer contact
Cover
Isolator

Material

Brass
Spring bronze
Spring bronze
TPX

Plating

0.15 μ m Au over 2-3 μ m Ni
0.15 μ m Au over 2-3 μ m Ni
0.15 μ m Au over 2-3 μ m Ni

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ -26 dB, DC to 2 GHz ≥ -23 dB, 2 to 4 GHz ≥ -18 dB, 4 to 6 GHz
Insulation resistance	$\geq 0.5 \times 10^3$ M Ω
Center contact resistance	≤ 50 m Ω
Outer contact resistance	≤ 100 m Ω
Working voltage	4 V

Mechanical data

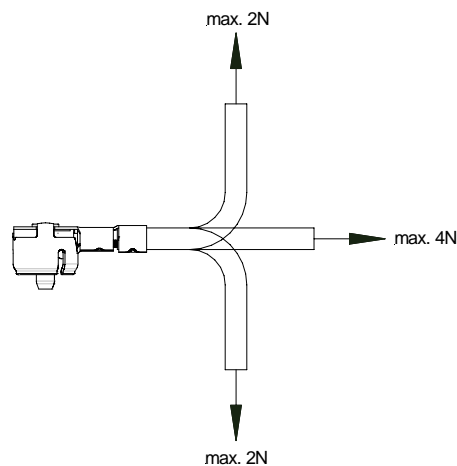
Mating cycles	≥ 100
Mating force	≤ 4 N
Unmating force	≥ 2 N
Mated height	2.4 mm

Environmental data

Temperature range	-40°C to +90°C
Storage temperature	-40°C to +90°C
2002/95/EC (RoHS)	compliant

Cable load

After mating do not apply higher forces than defined in the picture below.



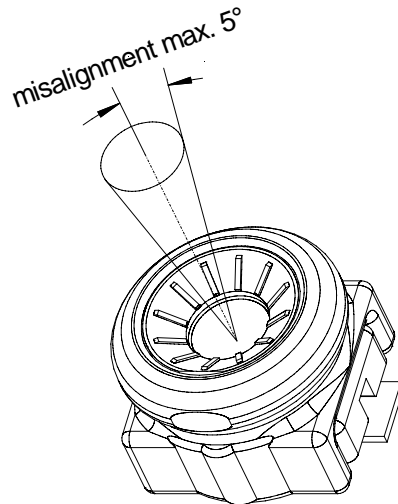
Mating and un-mating

For the reliable un-mating of the cable connector a special tool is dedicated :

Un-mating tool 15W001-000

Usage remarks:

1. The vertical mating axis of the PCB receptacle and the cable connector has to be aligned during the connecting and a click will confirm that the connectors are mated correctly.
2. The disconnection of the 2 connectors is carried out vertically with the tool 15W001-000 in the mating axis of the 2 connectors.
3. The connectors should not be mated under an extreme angle.
4. Avoid the forcefull twisting or deforming of the cable.



Packing

Standard

Weight

x pcs in plastic bag

xx.x 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
Michelmann, F.	10/10/07	Michelmann, F.	08/11/07	300	07-0782	Schichl, M.	08/11/07
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