

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

Cables

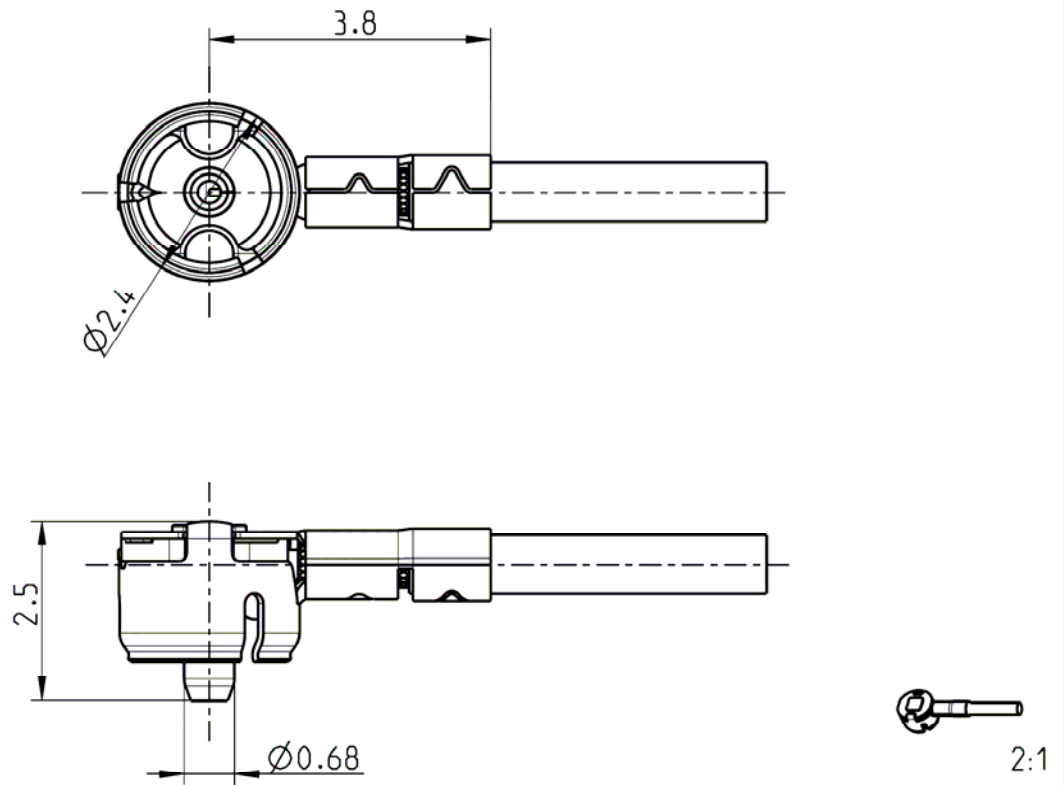
RTK 008 Cable group E3

Micro coax cable d=0.81mm, center conductor AWG36
 Connector are only sold with cable.
 Standard length available and customized length on request.
 Picture on data sheet show an assembly example
 Minimum bending radius 5x \varnothing

Available Variants

Type	Cable	Length a [mm]	
LE3-001-080	E3 (RTK008)	80	
LE3-001-100	E3 (RTK008)	100	
LE3-001-110	E3 (RTK008)	110	

Technical data connector 15S201-3E3



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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	≥ 0.5 x10 ³ MΩ
Center contact resistance	≤ 50 mΩ
Outer contact resistance	≤ 100 mΩ
High voltage test	200 V
Working voltage	4 V

Mechanical data

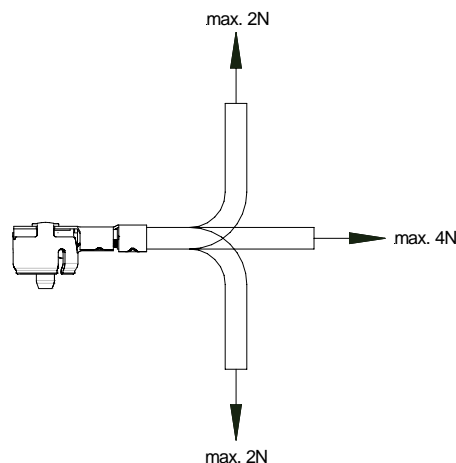
Mating cycles	≥ 100
Mating force	≤ 4 N
Unmating force	≥ 2 N
Mated height	2.4 mm

Environmental data

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

Cable load

Micro coax cable E3 (RTK008).
Center conductor AWG 36
Picture on data sheet show an assembly example
After mating do not apply higher forces than defined in the picture below.



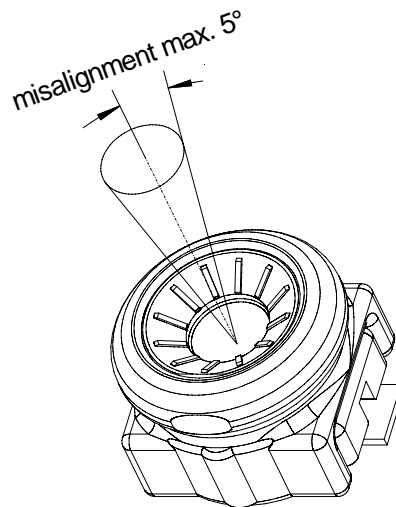
Mating and un-mating

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

x pcs in plastic bag

Weight

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
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