

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

**Cables**

RTK 008 Cable group E3

Micro coax cable  $d=0.81\text{mm}$ , 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  $5x \varnothing$

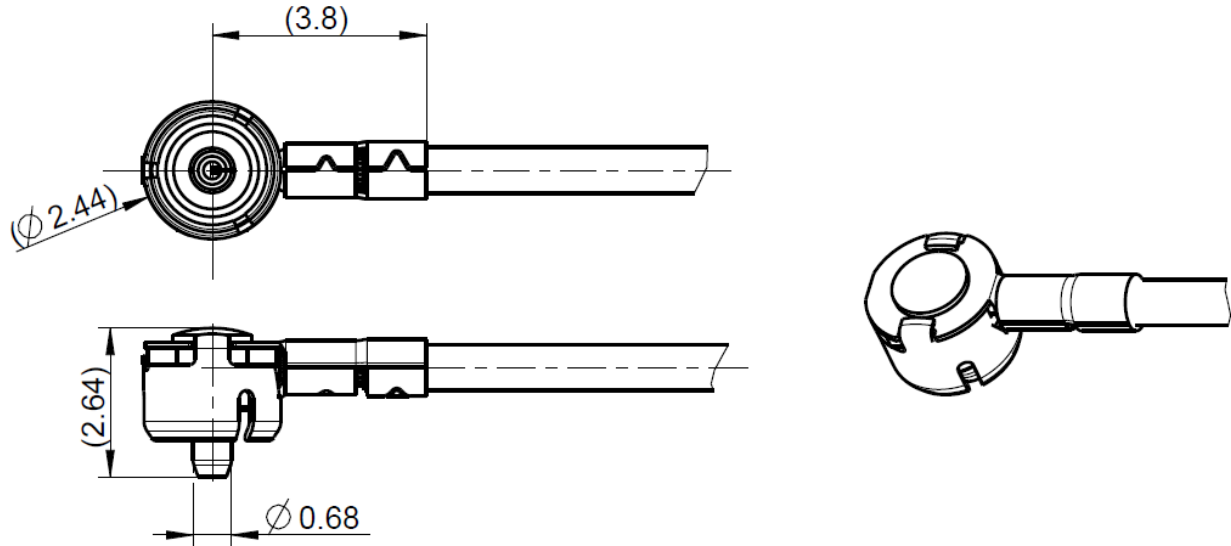
**Available Variants**

Type	Cable	Length a [mm]	Weight [g]	Packing [pcs in plastic bag]
LE3-006-160-NM	E3 (RTK008)	$160 \pm 5$	tbd	25

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**Technical data connector 15S202-1E3**



**Interface**

According to 15K101-40M

**Documents**

n.a.

**Material and plating**

**Connector parts**

- Outer contact
- Outer contact
- Center conductor
- Dielectric

**Material**

- Spring bronze
- Spring bronze
- Spring bronze
- TPX blue

**Plating**

- Silver, 3-6  $\mu\text{m}$
- Silver, 3-6  $\mu\text{m}$
- Silver, 3-6  $\mu\text{m}$

**Electrical data**

- Impedance 50  $\Omega$
- Frequency DC to 6 GHz
- Return loss  $\geq 26$  dB, DC to 2 GHz
- $\geq 23$  dB, 2 to 4 GHz
- $\geq 20$  dB, 4 to 6 GHz

- Insulation resistance  $\geq 0.5 \times 10^3 \text{ M}\Omega$
- Center contact resistance  $\leq 50 \text{ m}\Omega$
- Outer contact resistance  $\leq 100 \text{ m}\Omega$
- High voltage test 200 V
- Working voltage 4 V

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**Mechanical data**

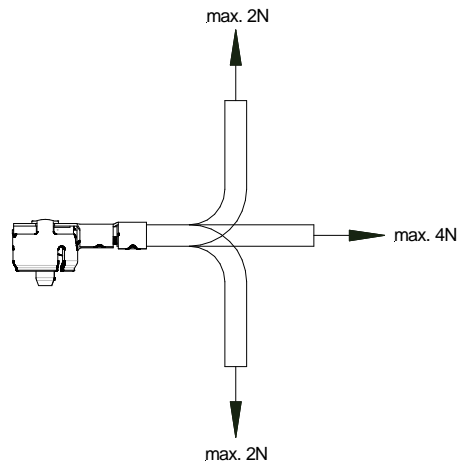
Mating cycles	≥ 25
Mating force	≤ 45 N
Unmating force	≥ 2 N
Mated height	2.4 mm

**Environmental data**

Temperature range	-40°C to +90°C
Storage temperature	-40°C to +90°C
RoHS	compliant

**Cable load**

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



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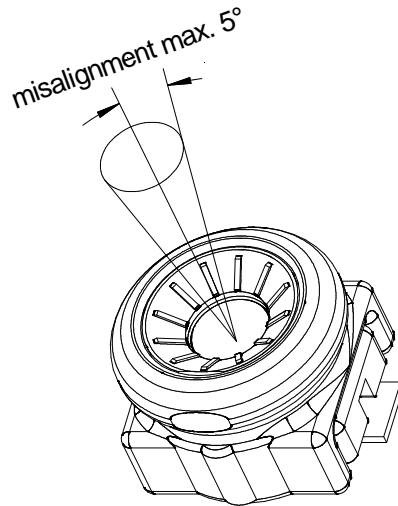
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**Mating and un-mating**

For the reliable un-mating of the cable connector a special tool is dedicated :  
 Un-mating tool 15W002-000

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 15W002-000 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 25 pcs in plastic bag  
 Weight xx.x g/pce (TBD)

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 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
F. Michelmann	11.07.12	C.Kainzmaier	13.05.16	500	16-0003	A. Streibl	13.05.16

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