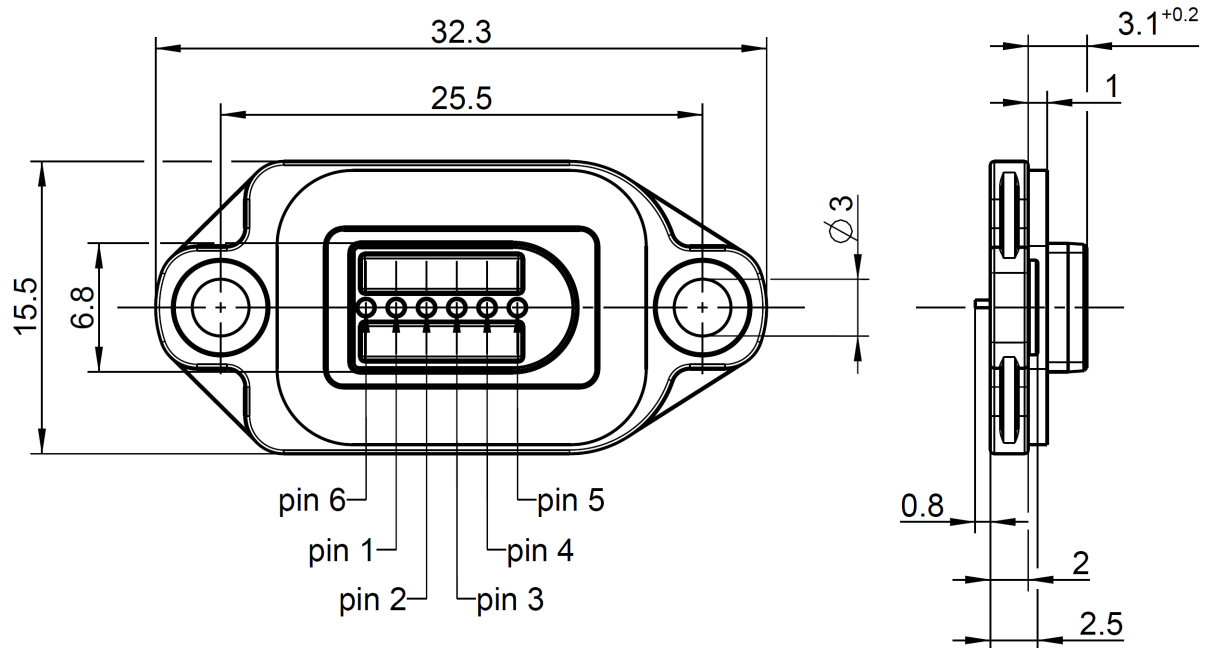


M9

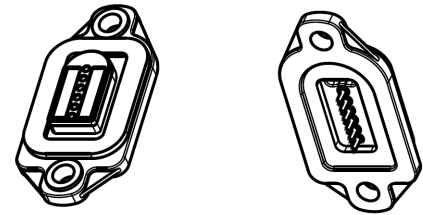
MultiMag 6 Receptacle

M9K703-299L



pin 6
pin 1
pin 2
pin 3
pin 4
pin 5

| pin and cable table | | |
|---------------------|-------|-------------|
| interface | cable | description |
| pin 6 | shell | --- |
| pin 1 | red | +5V |
| pin 2 | white | Data- |
| pin 3 | green | Data+ |
| pin 4 | black | GND |
| pin 5 | shell | --- |



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

General Information

Magnetic connector

Number and type of contacts

Soldering

Color

6 rigid pins

Solder cup for pre-tinned wire

Black, similar RAL 9005

Interface

Mating with

L99-029-XXX

L99-A0039-XXX

MultiMag6 cable assembly, black

MultiMag6 cable assembly, white

Material and Plating

Connector Parts

Contacts

Housing

Magnets

Gasket

Material

Brass

PBT GF30

NdFeB

FVMQ

Plating/Color

Gold plated

Black similar RAL 9005

Nickel plated

Black

M9

MultiMag 6 Receptacle

M9K703-299L

Electrical Data

Electrical data acc. to USB 2.0 specification

Maximum voltage 5 V
Maximum current 0.5 A

Mechanical Data

Mating cycles min. 2.500
Magnetic disengagement force average ~ 8 N
(force application point on plug)

Environmental Data

Temperature range -20 °C to +60 °C
Magnets start losing their magnetic properties above 65 °C
Corrosion(optional) MIL-STD-202, Meth. 101, Cond. B (dependent on series)
Vibration(optional) MIL-STD-202, Meth. 204, Cond. D (dependent on series)
Shock(optional) MIL-STD-202, Meth. 213, Cond. I (dependent on series)
Degree of protection IEC 60529, IPx5
RoHS compliant

Suitable cables

Solder cup for pre-tinned wire with cross section AWG 26

Packing

Standard 50 pcs in blister
Weight xx.x g/pc (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 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 |
|----------------|----------|----------------|----------|------|---------------------------|---------------|----------|
| T. Scheuerlein | 22.12.15 | T. Scheuerlein | 08.11.16 | 500 | 16-0004 | M. Schönsmaul | 08.11.16 |

| | | |
|--|---|---------------|
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