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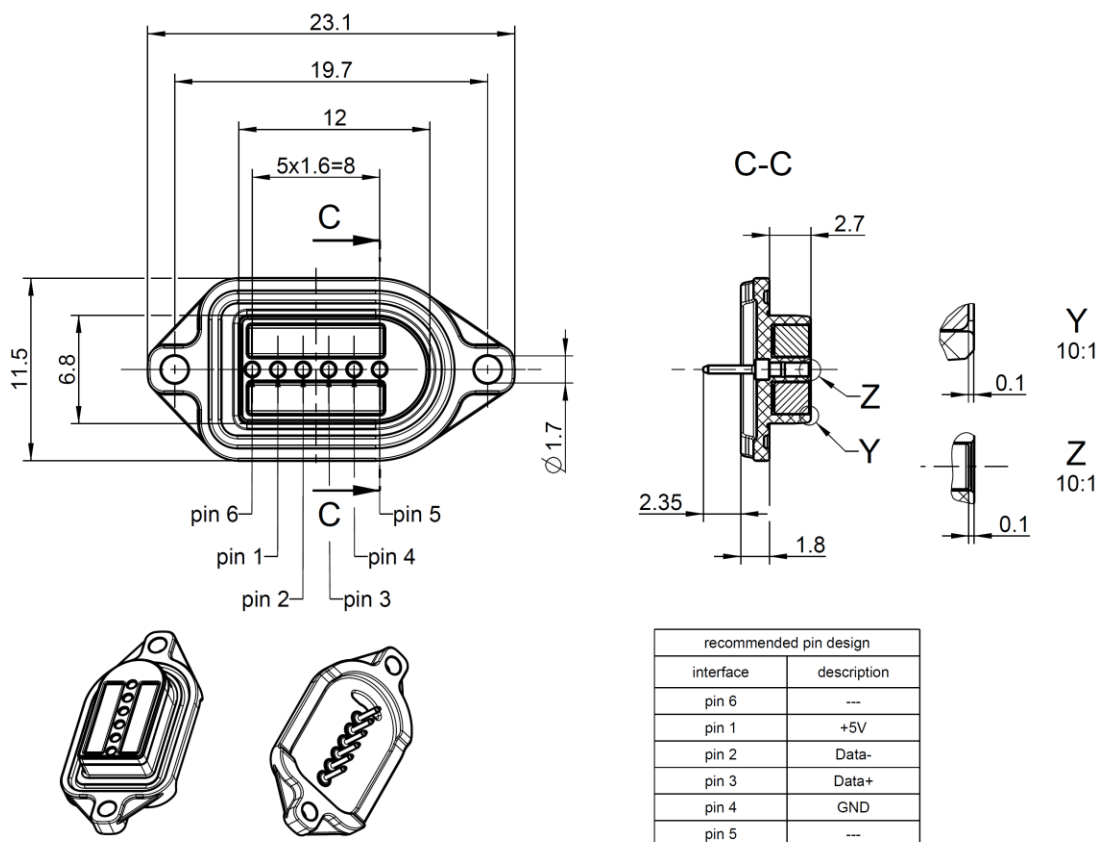
Technical Data Sheet

Rosenberger

M9

MultiMag 6 Receptacle
(PCB Termination)

M9K701-400L



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
THT
Black, similar RAL 9005

Interface

Mating with

MultiMag 6 cable assembly

Material and Plating

Connector Parts

Contacts
Housing
Magnets

Material

Brass
PBT GF30
NdFeB

Plating/Color

Gold plated
Black, similar RAL 9005
Nickel plated

Electrical Data

Designed for USB 2.0 specification

5 V DC, 0.5 A

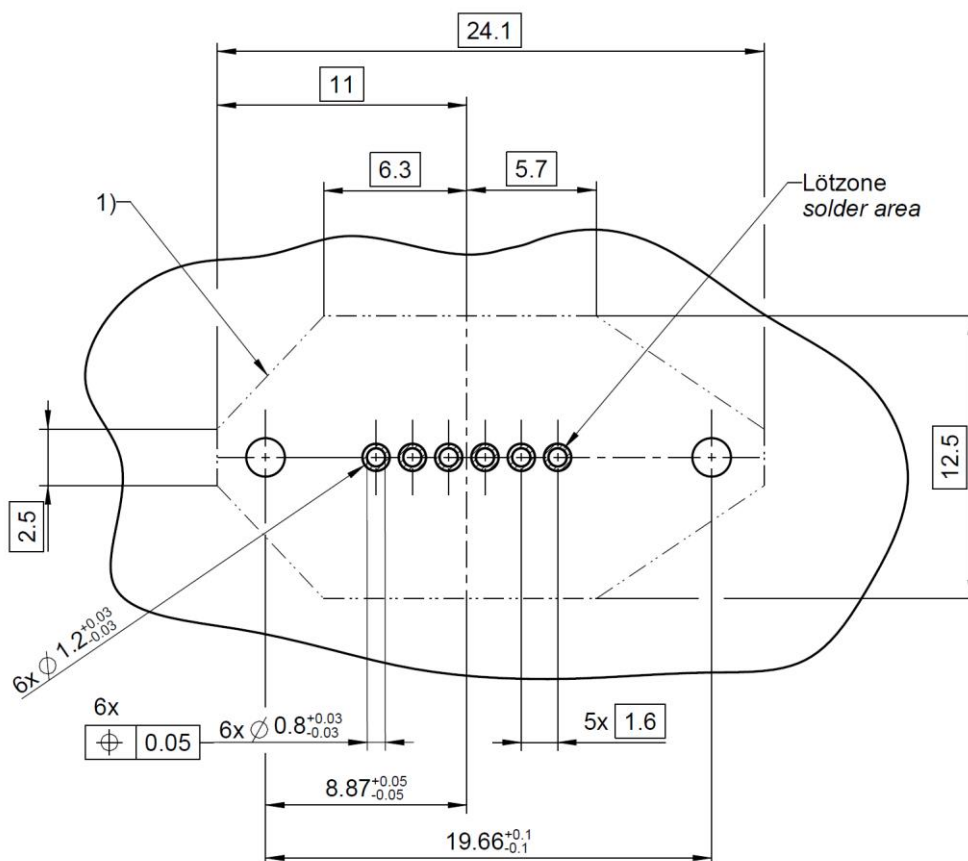
Maximum voltage

24 V DC

Maximum current

1 A

PCB Footprint



- 1) Keine Bauteile innerhalb dieser Zone erlaubt / *no components allowed within this zone*
- 2) Die dargestellten Maße sind nur eine Empfehlung / *the stated dimensions are only recommendations.*
- 3) Alle Bohrungen sowie die Pads auf der Rückseite beschichtet / *all drill holes plated inclusive pads on the backside*

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Mechanical Data

Magnetic disengagement force average ~ 8 N
Mating cycles without load min. 5.000
Expected Mating cycles with load:

Max. Voltage	Max. Current	Mating cycles
5.0 V DC	0.5 A	min. 5.000
12.6 V DC	1.0 A	min. 2.000
24.0 V DC	0.5 A	min. 800

Environmental Data

Temperature range -20 °C to +65 °C
Magnets start losing their magnetic properties above 65 °C

Compliance

RoHS compliant

Packing

Standard 100 pcs in blister
Weight ~ 1.1 g/pc

Caution!

Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.2 m (20 cm) between the magnetic connector and the implanted devices to prevent malfunction and danger to health.

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	22.06.16	T. Scheuerlein	25.07.17	a02	17-0004	T. Scheuerlein	25.07.17

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