

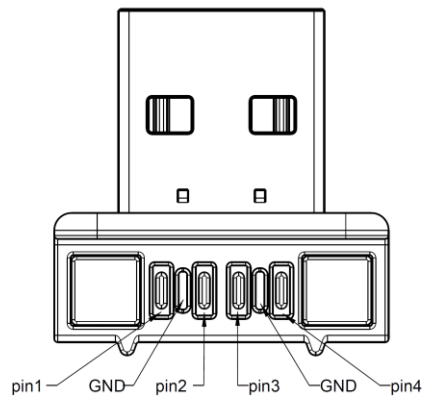
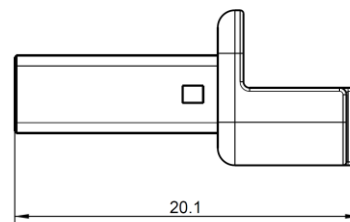
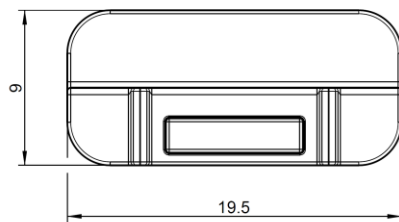
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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

USB 2.0 A PLUG

MU1S101-000Z



pin table	
USB A male	magnetic interface
pin1	pin1
pin2	pin2
pin3	pin3
pin4	pin4
shell	shell

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

Interface

According to

L99-987-XXX
L99-988-XXX
L99-989-XXX

Flammability

Injection molded thermoplastic insulator materials

UL94 V-0 / acc. to spec. USB 2.0

Material, plating and colour

Connector parts

Base cover
Front housing
Contact holder
Ground terminal contacts
Signal contacts
Shell (sheet metal)
Shell 2 (sheet metal)
Magnet
Cable

Material

PBT GF20
PBT 420SEO
PBT 420SEO
C5210R-H
C5210R-H
SPCC
SPCC
NdF3B – N52
PVC- Jacket

Plating / Color

RAL 9005
RAL 9005
RAL 9005
gold
gold
tin
tin
nickel
black

Connectors

USB

plug type A

Electrical data

High-speed signaling
Full-speed signaling
Low-speed signaling
VBus nominally

bit rate: 480 Mb/s
bit rate: 12 Mb/s
bit rate: 1.5 Mb/s
+5 V

Further electrical requirements

acc. to spec. USB 2.0

Mechanical data

Mating cycles
Disengagement force

1500 insertions/extractions @ max. rate of 200 cycles/hour
> 10 N - disengagement in axial direction
> 5 N - disengagement in an 45° angle direction

Environmental data

Temperature range

0°C to +50°C – operating temperature
-20°C to 60°C – storage temperature

RoHS

compliant

Packing

Standard
Optional

25 pcs in blister
1 pcs in box

Safety instruction

Caution

„The magnetic field of the assembled magnets is very strong. These magnets can particularly impact the function of cardiac pacemakers, implanted cardioverter-defibrillators (e.g. by unintentional actuation of reed switch), hearing aids, data storage media, monitors, and debit- and credit cards. Therefore keep sufficient safety distance from such or similar devices to prevent malfunction and danger to health. In case of any further questions please contact our customer service center.“

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
C.Kainzmaier	12.09.16	C.Kainzmaier	13.02.17	c00	17-0004	M.Portenkirchner	13.02.17