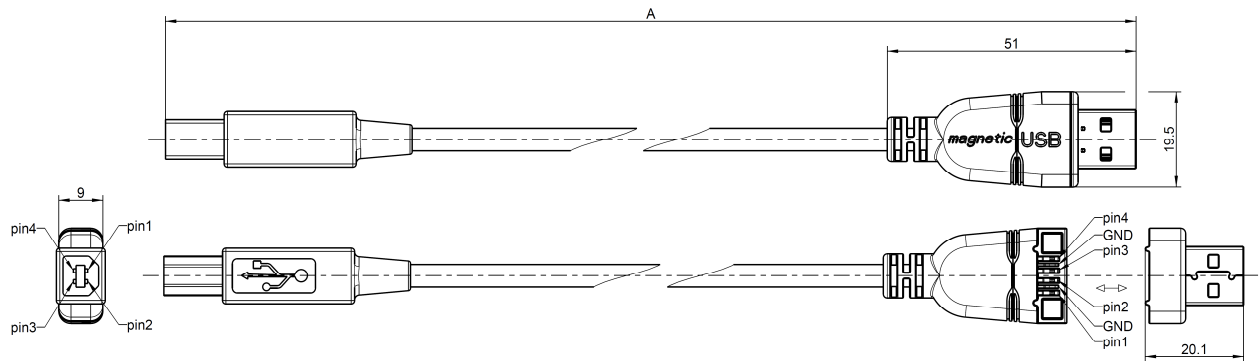




pin and cable table

USB type B	cable	magnetic interface
pin1	red	pin1
pin2	white	pin2
pin3	green	pin3
pin4	black	pin4
shell	GND	shell

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

Interface

According to

USB 2.0-A / MU1S101-000Z
USB 2.0 Type-B

Available versions

Type	Length A [mm]	Weight [g/pcs]
L99-989-XXX	1800 +30/-30	TBD

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
Au; 10µm
Au; 10µm
Sn; 60µm
Sn; 60µm
tbd
black

Connectors

USB plug type A

Electrical data

High-speed signaling bit rate: 480 Mb/s
Full-speed signaling bit rate: 12 Mb/s
Low-speed signaling bit rate: 1.5 Mb/s
VBus nominally +5 V

Further electrical requirements acc. to spec. USB 2.0

Mechanical data

Mating cycles 1500 insertions/extractions @ max. rate of 200 cycles/hour
Disengagement force > 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

Suitable cables

USB 2.0 Standard cable

Packing

Standard 1 pcs in plastic bag
Optional 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	09.05.16	C.Kainzmaier	25.05.16	a00	16-s147	M. Schönsmaul	25.05.16