



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



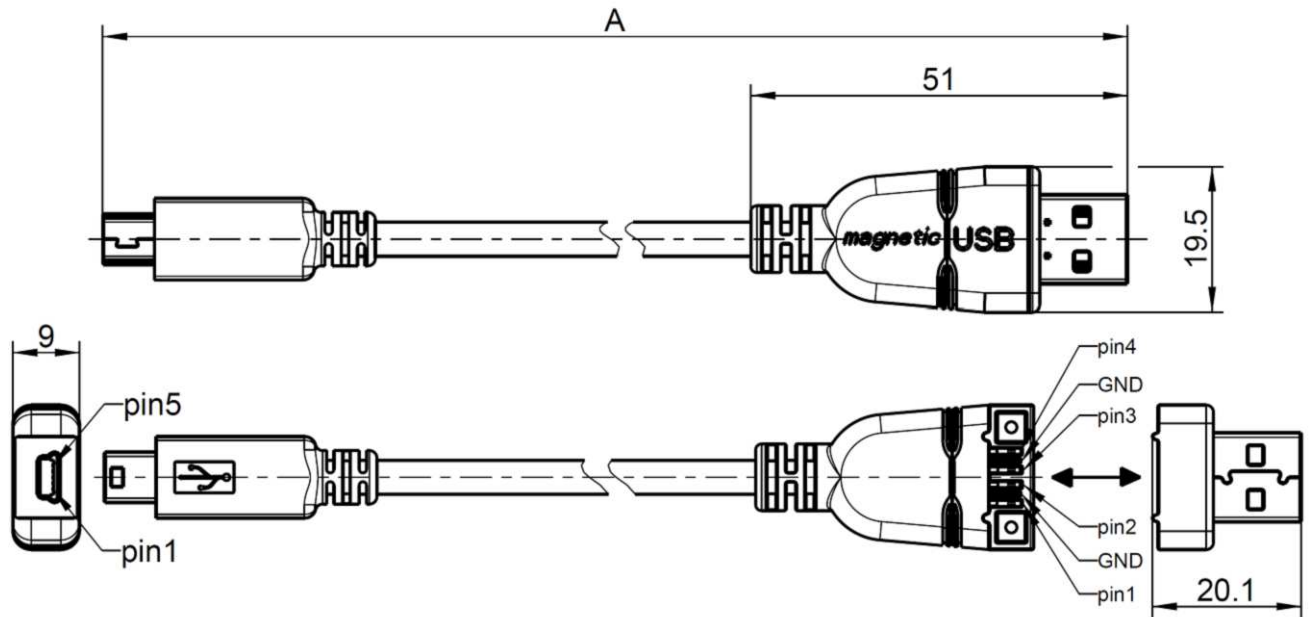
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pin and cable table		
USB mini B	cable	magnetic interface
pin1	red	pin1
pin2	white	pin2
pin3	green	pin3
pin4	---	---
pin5	black	pin4
shell	GND	shell

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

Interface

According to USB 2.0-A / MU1S101-000Z
USB 2.0 Mini B

Available versions

Type	Length A [mm]	Weight [g/pcs]
L99-987-XXX	800 + 20/-20	24,6

Flammability

Injection molded thermoplastic insulator materials UL94 V-0 / acc. to spec. USB 2.0

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RF_35/05.10/6.0

Material, plating and colour

Connector parts	Material	Plating / Color
Base cover	PBT GF20	RAL 9005
Front housing	PBT 420SEO	RAL 9005
Contact holder	PBT 420SEO	RAL 9005
Ground terminal contacts	C5210R-H	gold
Signal contacts	C5210R-H	gold
Shell (sheet metal)	SPCC	tin
Shell 2 (sheet metal)	SPCC	tin
Magnet	NdF3B – N52	nickel
Cable	PVC- Jacket	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	13.02.17	b00	17-0004	M.Portenkirchner	13.02.17