



USB A jack		MF2S113-199L		
Pin	name	cable color	description	Pin
1	VBUS	Red	+5V	2
2	D-	White	Data-	5
3	D+	Green	Data+	3
4	GND	Black	Signal Ground	4
shell	-	-	-	1

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

Interface

According to

MF2K201-400L
USB Standard-A

Flammability

Connector parts

Insulator
Assembly parts

Category

material acc. to UL94 V-0
material acc. to UL94 V-1/V-2

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RF_35/05:10/6.0

Material and plating

Connector parts (MF)

	Material	Plating / Colour
Insulator	PBT GF30	black
Housing	PBT GF30	black
Housing insert	PA	black
Piston	Brass	min 0,25 µm Au over 2,5 µm Ni
Ferrule	Brass	min 0,25 µm Au over 2,5 µm Ni
Spring	Stainless steel	
Tension relief	TPE	black
Magnet	NdFeB N52	Ni
Silicon Tube	Silicon	

Connectors

USB plug type A

Electrical data

According to USB 2.0
Peak current 500mA

Mechanical data

Mating cycles min. 10.000
Disengagement force > 10 N
Force measured during vertical disengagement with counter connector
Magnetic pole north to interface

Environmental data

Temperature range -25°C to +75°C
RoHS compliant

Suitable cables

USB 2.0 Standard cable

Available versions

Type	Length A [mm]	pieces per box	g/piece
L99-838-500	500 +20/-20	100	tbd
L99-838-1500	1500 +80/-80	200	54
L99-838-1800	1800 +80/-80	200	tbd

Caution

Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.5m (50 cm) between the magnetic connector and the implanted devices to prevent malfunction and danger to health.

Achtung

Magnete können die Funktion von Herzschrittmachern und implantierbaren Kardioverter-Defibrillatoren stören (z.B. durch Betätigen des Reedschalters). Halten Sie einen Mindestabstand von 0,5 m (50 cm) zwischen dem Magnetsteckverbinder und den implantierten Geräten ein, um Störungen und eine Gefahr für Leib oder Leben zu verhindern.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
G. Lapper	03.04.2012	G. Lapper	11.02.14	a00	14-s070	A. Streibl	11.02.14

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