



PCB Layout Pinning	Interface Pinning	Reference MF2S114-199L Pinning
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

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

Interface

According to MF2S114-199L

Documents

Panel piercing MB_400/401

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RF_35/05:10/6.0

MF

RIGHT ANGLE JACK PCB

MF2K202-400L

Material and plating

Connector parts

Contact Pins
Insulator
Nut
Mounting Nut
Gasket
Magnet

Material

Brass
PA 6T/66 GF30
PA 6.6
PBT GF30
VMQ
NdFeB N52

Plating / Color

AuroDur®, gold plated
grey RAL7040
black
grey RAL7040
red
Ni

Flammability

Connector parts

Insulator
Assembly parts

Category

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

Electrical data

Peak current 1000mA
Working voltage max. 50V DC

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
Soldering process Magnets are loosing their magnetic properties above the temperature of 130°C
Designed for manual solder process
IP Code IP65 / IP67 (in vertical position)

Suitable cables

n/a

Packing

Standard 50 pcs per box
Weight 9g

Safety instruction

Caution

Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.5 m (50 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
G. Lapper	10.11.2011	G. Lapper	13.02.14	700	14-0230	A. Streibl	13.02.14
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