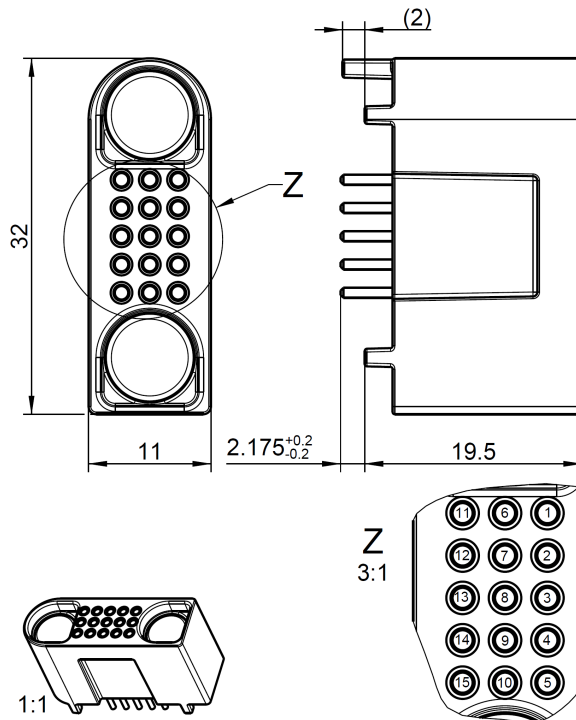


M9

MultiMag 15 Receptacle,  
PCB-Connector

**M9K115-400L**



Belegungsplan - PCB-Kuppler  
recommended face plan - straight jack pcb

Pos.	Signal/ signal
1	D4-
2	D4+
3	DC
4	TX+/D1+
5	TX-/D1-
6	DC-Power+
7	DC-Power+
8	Ground
9	DC-Power-
10	DC-Power-
11	D3-
12	D3+
13	DC
14	RX-/D2-
15	RX+/D2+

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

**General Information**

Magnetic connector	
Coding	mechanical
Number and type of contacts	15 rigid pins
Soldering	THT

**Interface**

Mating with MultiMag 15 cable assembly

**Material and Plating**

**Connector parts**

Insulator	<b>Material</b>
Contact	PBT
Magnets	Brass
	NdFeB N52

**Plating**

white, similar RAL 9003  
AuroDur®, gold plated  
Nickel

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09;14/6.2

M9

MultiMag 15 Receptacle,  
PCB-Connector

**M9K115-400L**

**Flammability Rating**

**Connector parts**

Insulator

**Category**

uncolored raw material acc. to UL94 V-0\*

\*Please note that a non UL rated color batch is added

**Electrical Data**

Operating voltage  
Operating current

12 V  
max. 4.5 A  
max. 1.5 A per contact  
typically  $\leq 60 \text{ m}\Omega$   
 $\sim 100 \Omega$  differential pairs

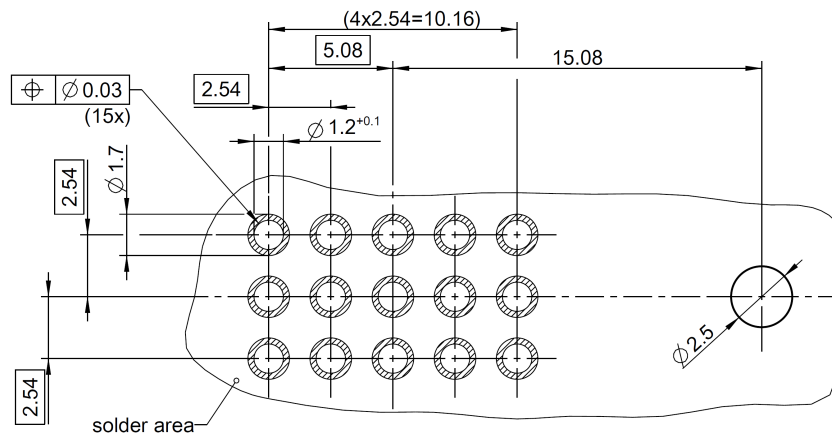
Contact resistance  
Impedance

**Mechanical Data**

Mating cycles without load  
Mating cycles under load  
Magnetic retention force

min. 10.000  
min. 1.000  
average  $\sim 14 \text{ N}$

**PCB Footprint**



All drill holes plated inclusive pads on the backside (pad width min. 0.2 mm)

The stated dimensions are only recommendations.

**Environmental Data**

Temperature range

-25 °C to +65 °C

Chemical resistance

Magnets start losing their magnetic properties above 65 °C  
Isopropanol 70 %

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09;14/6.2

M9

MultiMag 15 Receptacle,  
PCB-Connector

**M9K115-400L**

**Compliance**

RoHS compliant

**Packing**

Standard Weight 25 pcs in blister  
~ 14.9 g/pc

**Caution!**

**Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.2 m (20 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
C. Kainzmaier	07.04.15	T. Scheuerlein	07.04.17	d00	17-0541	M. Schönsmaul	07.04.17

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.de](http://www.rosenberger.de)

Tel. : +49 8684 18-0  
Email : [info@rosenberger.de](mailto:info@rosenberger.de)

Page

3 / 3