

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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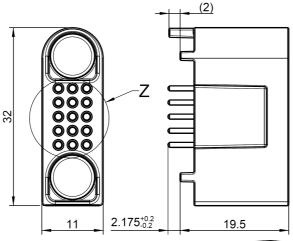
Technical Data Sheet - DRAFT

Rosenberger

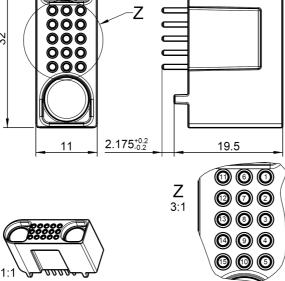
M9

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

Number and type of contacts

Soldering

mechanical 15 rigid pins THT

Material

PBT

Interface

Mating with

MultiMag 15 cable assembly

Material and Plating

Connector parts

Insulator Contact Magnets

Brass NdFeB N52 **Plating**

white, similar RAL 9003 AuroDur®, gold plated

Nickel

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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

Contact resistance Impedance 12 V

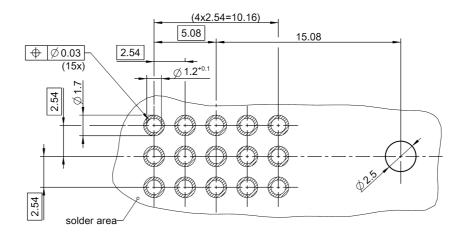
max. 4.5 A

max. 1.5 A per contact typically ≤ 60 m Ω ~ 100 Ω differential pairs

Mechanical Data

Mating cycles without load Mating cycles under load Magnetic retention force min. 10.000 min. 1.000 average ~ 14 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 %

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Technical Data Sheet - DRAFT M9 MultiMag 15 Receptacle, PCB-Connector Rosenberger M9K115-400L

Compliance

RoHS compliant

Packing

Standard 25 pcs in blister Weight ~ 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

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