



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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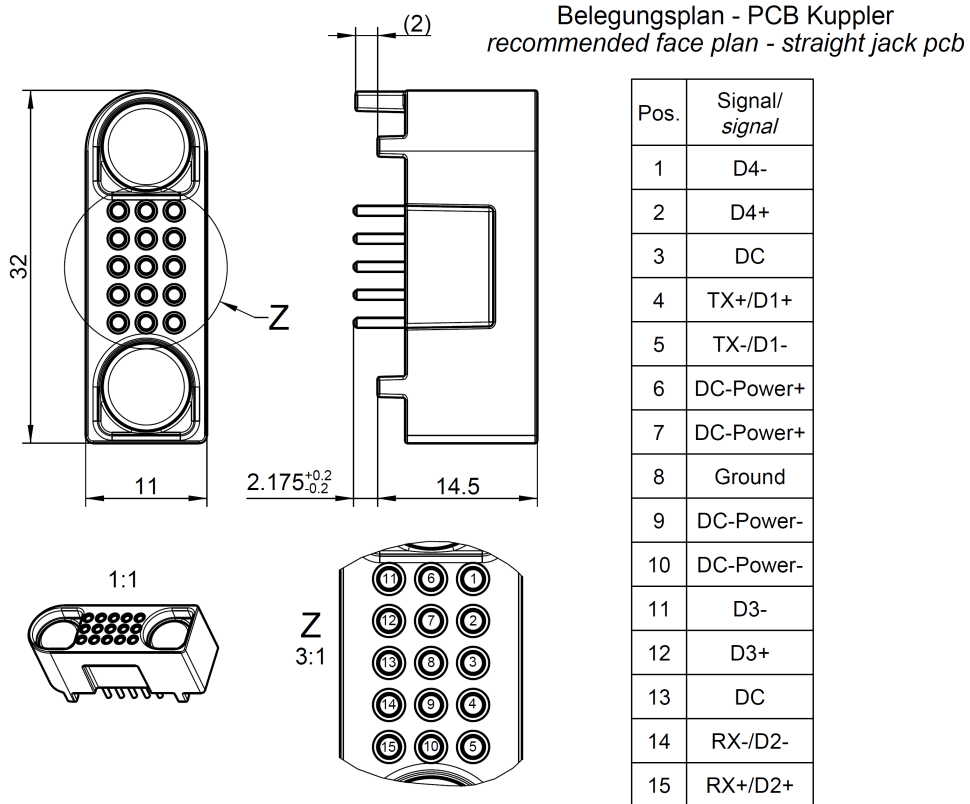
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M9

MultiMag 15 Receptacle,
PCB-Connector

M9K103-400L



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

Interface

Mating with MultiMag 15 cable assembly

Material and Plating

Connector parts

Insulator
Contact
Magnets

Material
PBT
Brass
NdFeB N52

Plating

White, similar RAL 9003
AuroDur®, gold plated
Nickel

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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

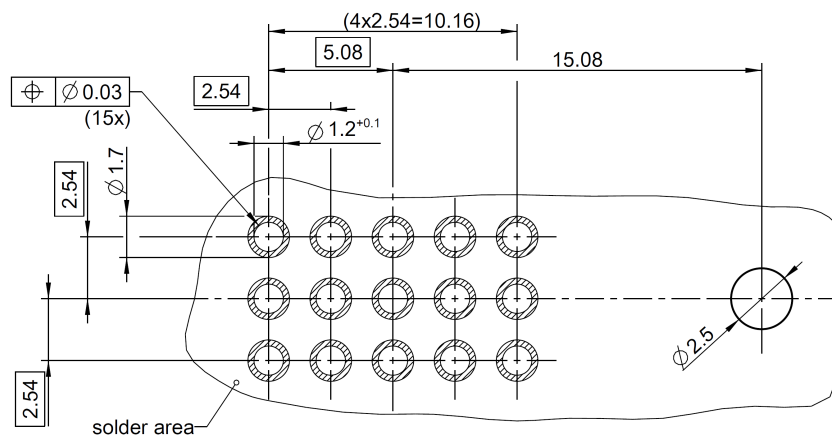
Contact resistance
Impedance

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 %

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Compliance

RoHS compliant

Packing

Standard Weight 25 pcs in blister
~ 12.5 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
H. Wurm	07.05.15	T. Scheuerlein	07.04.17	400	17-0541	M. Schönsmaul	07.04.17

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