



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!



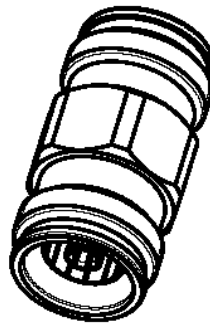
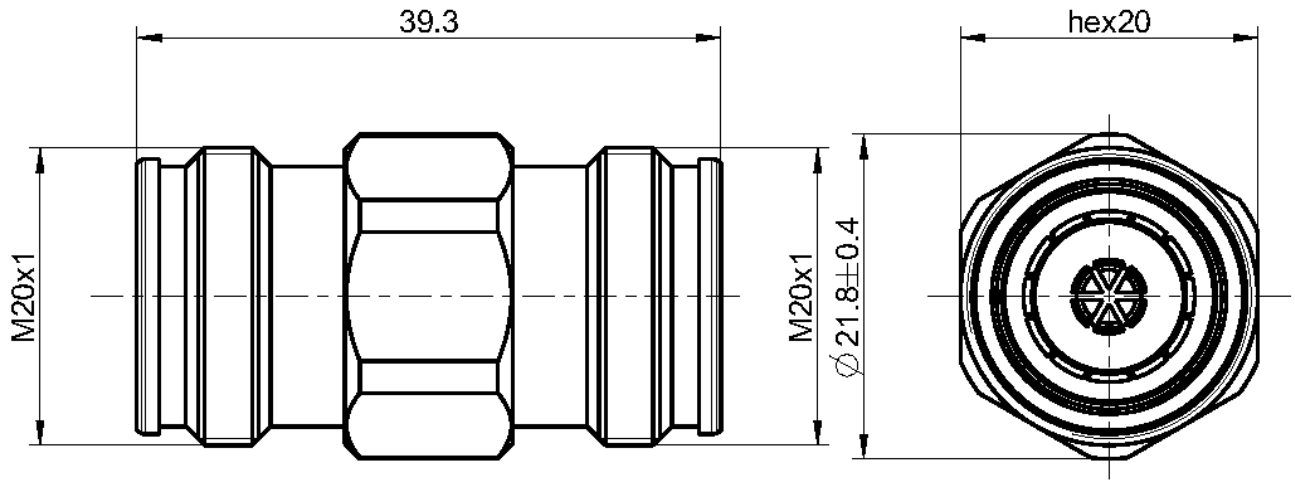
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All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 61169-54

Documents

N/A

Material and Plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

Silver, 3-6 µm
Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)

4.3-10

Adaptor
Jack - Jack

64K101-K00B1

Electrical Data

Impedance 50 Ω
 Frequency DC to 12 GHz
 Return loss ≥ 40 dB @ DC to 2 GHz
 ≥ 34 dB @ 2 GHz to 4 GHz
 ≥ 28 dB @ 4 GHz to 6 GHz
 Insertion loss ≤ 0.05 x √ f [GHz] dB
 Electrical delay 95 ps
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 1.0 mΩ
 Outer contact resistance ≤ 1.0 mΩ
 Test voltage 2500 V rms
 Working voltage 500 V rms
 RF-leakage ≥ 110 dB @ DC to 6 GHz for tool tightened plugs
 ≥ 90 dB @ DC to 3 GHz for tool-less plugs
 ≥ 70 dB @ DC 3 to 6 GHz for tool-less plugs
 Power handling (at 90 °C, altitude 3000m) 500 W @ 2.0 GHz
 Intermodulation (3rd order) ≥ 160 dBc (2 x 46 dBm) @ 0.4 – 4.0 GHz
 ≥ 166 dBc (2 x 43 dBm) @ 0.4 – 4.0 GHz

Mechanical Data

Mating cycles ≥ 100
 Center contact captivation: axial > 30 N
 Center contact retention force 1.5 - 20 N
 Outer contact retention force 4 - 35 N
 Engagement force typ. 100 N
 Disengagement force typ. 80 N
 Recommended torque 5 Nm

Environmental Data

Temperature range -55 °C to +90 °C operating temperature
 Thermal shock IEC 61169-1 9.4.4
 Corrosion resistance ISO 21207 method B
 Vibration IEC 61169-1 9.3.3 and IEC 60068-2-64
 Shock IEC 61169-1 9.3.14
 Degree of protection (mated pair) IEC 60529, IP68 1h / 25m
 RoHS compliant

Tooling

N/A

Suitable Cables

N/A

Weight

Weight 51.3 g/pce

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
F. Schmidhammer	05.11.13	F. Fraunhofer	26.10.15	a00	15-s383	S. Huber-Siegl	26.10.15
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