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!

Contact us

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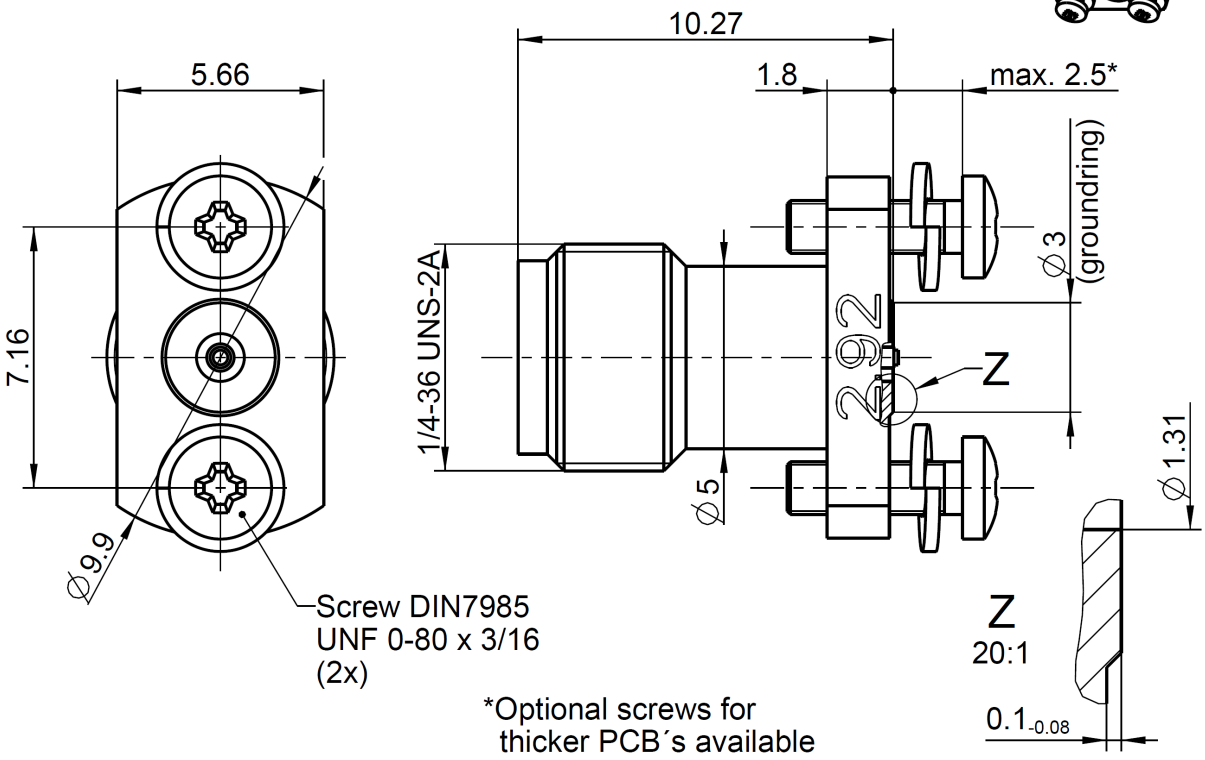
Technical Data Sheet		Rosenberger
RPC-2.92	Straight Jack PCB Economic Solderless Connector	**02K721-40MS3**



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

Interface

According to	IEC 61169-35
Mechanically compatible with	RPC-3.50 and SMA

Documents

PCB layout	B 594A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Stainless steel	Passivated
Dielectric	PTFE	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
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Tel. : +49 8684 18-0
Email : info@rosenberger.de

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 26 dB, DC to 26.5 GHz ≥ 23 dB, 26.5 GHz to 40 GHz
Insertion loss	≤ 0.04 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500
Mating force PCB side	≤ 23 N
Center contact captivation	≥ 20 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental data

Storage temperature range	-40°C to +85°C
Operating temperature range	-0°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Accessories

Available Screws DIN 7985-H-A2 UNF 0-80 (cylinder head screw) for different PCB thickness.

3/16” length = Standard (already included with the connector)	DIN7985-H-A2 UNF 0-80x3/16
1/4” length = Optional (PCB thickness min. 1.8 mm to max. 4.2 mm)	DIN7985-H-A2 UNF 0-80x1/4
5/16” length = Optional (PCB thickness min. 3.2 mm to max. 5.7 mm)	DIN7985-H-A2 UNF 0-80x5/16
3/8” length = Optional (PCB thickness min. 4.8 mm to max. 7.5 mm)	DIN7985-H-A2 UNF 0-80x3/8
7/16” length = Optional (PCB thickness min. 6.4 mm to max. 8.9 mm)	DIN7985-H-A2 UNF 0-80x7/16

Tooling

N/A

Weight

2.2 g/pce

Draft	Date	Approved	Date
F. Reiner	16.02.16	M. Moder	26.03.17

Rev.	Engineering change number	Name	Date
a00	18-s133	M.Ruf	26.03.18

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