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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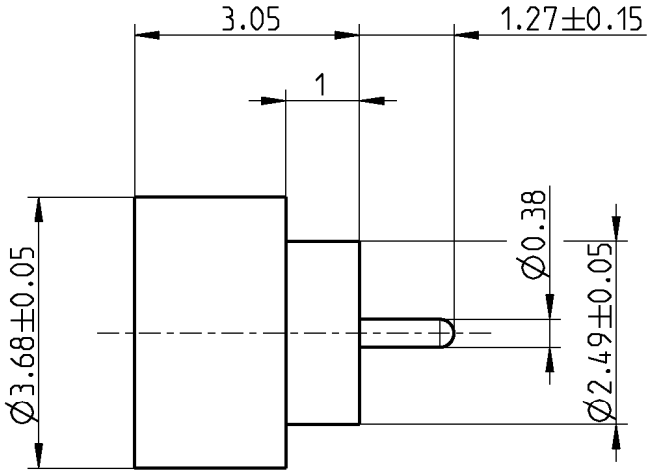
TECHNICAL DATA SHEET	Rosenberger
SMP BULKHEAD PLUG FULL DETENT	**19S181-5H0E4**



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to MIL-STD-348

Documents

Assembly instruction 19 G

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Kovar per ASTM F 15-78	Gold, min. 0.8 µm, over chemical nickel
Outer contact	Kovar per ASTM F 15-78	Gold, min. 0.8 µm, over chemical nickel
Dielectric	Corning 7070 glass	

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

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 23 dB, DC to 18 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB, DC to 18 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

Mechanical data

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- full detent	68 N max.
Disengagement force	
- full detent	22 N min.

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Soldering temperature	250°C max.
Leakage rate	≤ 10^{-8} mbar x l/s
Pressure	2 N/mm^2 max.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	0.09 g/pce

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