



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

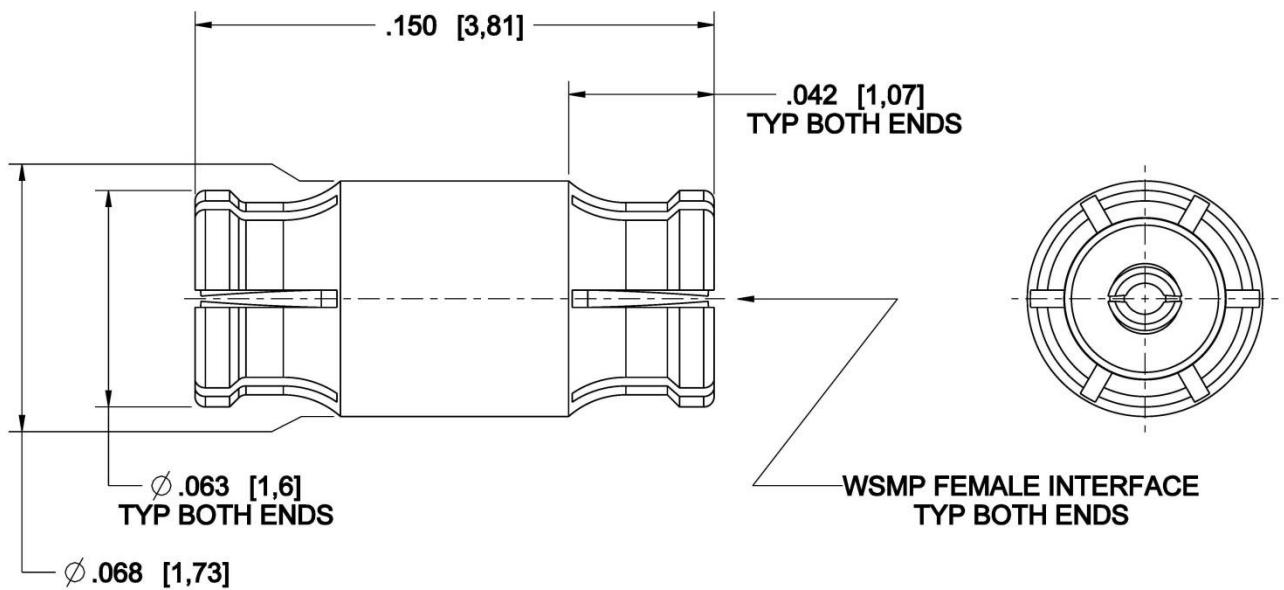
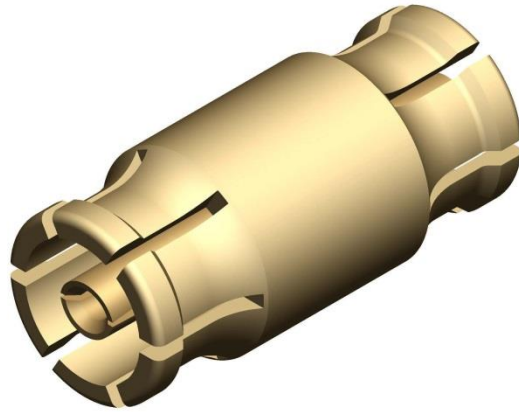
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



WSMP

Adaptor (Bullet)  
Female to Female

W1K10F-K00D3



**Interface**

According to Rosenberger WSMP™ Interface standards

**Material and plating**

**Connector parts**

Body CuBe per ASTM B196  
Contact CuBe per ASTM B196  
Dielectric PTFE

**Plating**

Hard gold 50µIN [1,27µm] min over Nickel 50µIN [1,27µm] min  
Hard gold 50µIN [1,27µm] min over Nickel 50µIN [1,27µm] min

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

WSMP

Adaptor (Bullet)  
Female to Female

**W1K10F-K00D3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 100 GHz  
 Return loss (typical) ≥ 26 dB, DC to 26.5 GHz  
 ≥ 19 dB, 26.5 to 65 GHz  
 Insertion loss ≤ 0.12 x √f(GHz) dB  
 Insulation resistance ≥ 3.5 x 10<sup>3</sup> MΩ  
 Center contact resistance ≤ 2.0 mΩ  
 Outer contact resistance ≤ 6.0 mΩ  
 Test voltage (at sea level) 250 V rms  
 RF High Potential (at sea level) 150 V rms @ 5 MHz  
 RF-leakage ≥ -80 dB (typical mated pair)

- Limitations are possible due to the used cable type

**Mechanical data**

Mating cycles  
 - Full Detent mating plug ≥ 100  
 - Smooth Bore mating plug ≥ 500  
 Engagement force (typical)  
 - Full Detent 2.5 lb<sub>f</sub> [11 N]  
 - Smooth Bore 1.2 lb<sub>f</sub> [5.3 N]  
 Disengagement force (typical)  
 - Full Detent 4.5 lb<sub>f</sub> [20 N]  
 - Smooth Bore 1.0 lb<sub>f</sub> [4.5 N]

**Environmental data**

Temperature range -55° to +165°C  
 Thermal shock MIL-STD-202, Meth. 107, Condition B  
 Corrosion MIL-STD-202, Method 101  
 Vibration MIL-STD-202, Method 204, Condition D  
 Shock MIL-STD-202, Meth. 213, Condition I  
 Moisture resistance MIL-STD-202, Method 106, except Step 7B  
 2002/95/EC (RoHS) compliant

**Tooling**

Installation/Extraction tool W1W002-000

**Suitable cables**

N/A

**Packing**

Standard 100 pcs in a bag

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
R. Hosler	9/24/2013	M. Peeran	9/24/2013	a00	ECN 14-s000; Released	M. Peeran	8/8/2014

Rosenberger of North America, LLC P.O. Box 309 Akron, PA USA 17501 <a href="http://www.rosenbergerna.com">www.rosenbergerna.com</a>				Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : <a href="mailto:info@rosenbergerna.com">info@rosenbergerna.com</a>		Page 2 / 2	
---	--	--	--	---	--	---------------	--