



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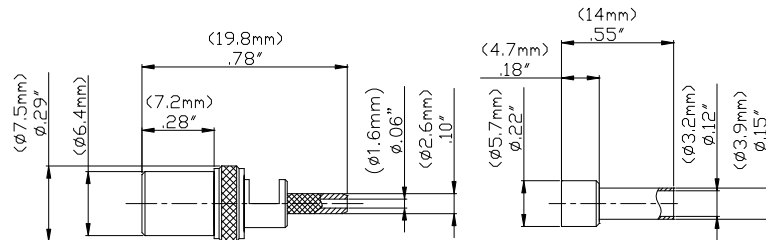
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**Model 72981**  
**SMB STRAIGHT PLUG CRIMP, RG174, 188, 316**



Model 72981 SMB STRAIGHT PLUG CRIMP, RG174, 188, 316



Snap-on coupling and small size for fast connect and disconnect.

**Features**

- DC - 3 GHz bandwidth.
- Meets MIL-C-39012, IEC 60169-1Q, BS9210N0007, NFC93650, CECC 22130.
- Small size and durability for RF coaxial applications.
- Precision machined and gold-plated for low loss.

**Materials**

- Body is machined brass with gold plating.
- Center contacts – Plug is gold plated brass and Jack is gold plated beryllium copper.
- High quality PTFE insulators.
- Crimp Ferrules are nickel plated copper.
- Silicone rubber gaskets.

**Ordering Information**

Model: 72981  
Description: SMB STRAIGHT PLUG CRIMP, RG174, 188, 316

**Specifications**

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Impedance                         | 50 $\Omega$                        |
| Frequency Range                   | DC - 3 GHz                         |
| VSWR                              | 1.4 max.                           |
| Working Voltage                   | 250 Vrms max.                      |
| Dielectric withstand voltage      | 750 Vrms                           |
| Center / Outer contact resistance | 6 / 1 m $\Omega$                   |
| Number of insertions              | 500 cycles min.                    |
| Insulation resistance             | 1,000 M $\Omega$ min.              |
| Temperature Range                 | -65° C to 165° C, -85° F to 329° F |

**USA:** Sales: 800-490-2361  
Technical Support: [technicalsupport@pomonaest.com](mailto:technicalsupport@pomonaest.com)  
Fax: 425-446-5844

**Europe:** 31-(0) 40 2675 150 **International:** 425-446-5500

**Where to Buy:** [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

All dimensions are in inches. Tolerances (except noted): .xx =  $\pm .02"$  (.51 mm), .xxx =  $\pm .005"$  (.127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.  
D2003420 REV 001

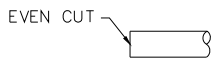
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**Cable Types and Crimp Die Information**

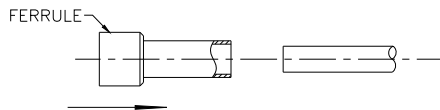
| Connector Model # | Cable Groups    | Crimp Die Cavity Size for Outer Ferrule |
|-------------------|-----------------|---|
| 72981             | RG174, 188, 316 | .128 (3.3)                              |

**Cable Assembly Instructions**

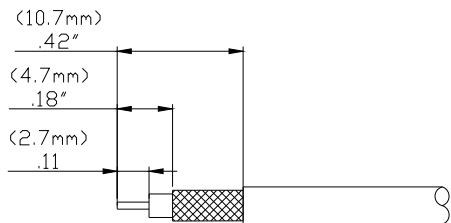
1. CUT CABLE END EVENLY AND PERPENDICULAR.



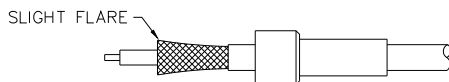
2. SLIDE OUTER FERRULE OVER CABLE END.



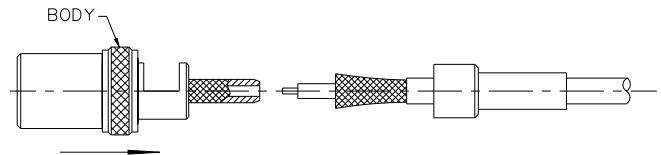
3. STRIP CABLE JACKET, BRAID, AND DIELECTRIC TO SPECIFICATION LENGTHS.



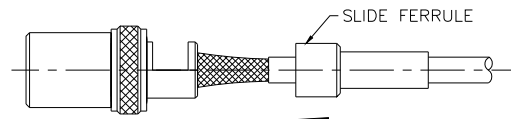
4. FLARE BRAID END SLIGHTLY.



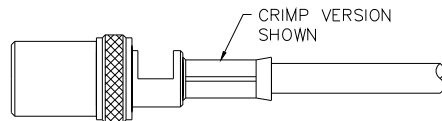
5. SLIDE CONNECTOR BODY OVER CENTER CONDUCTOR, DIELECTRIC AND UNDER BRAID.



6. SLIDE OUTER FERRULE OVER BRAID AND UP AGAINST BODY ASSEMBLY.



7. CRIMP OUTER FERRULE WITH APPROPRIATE CRIMP TOOL.



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