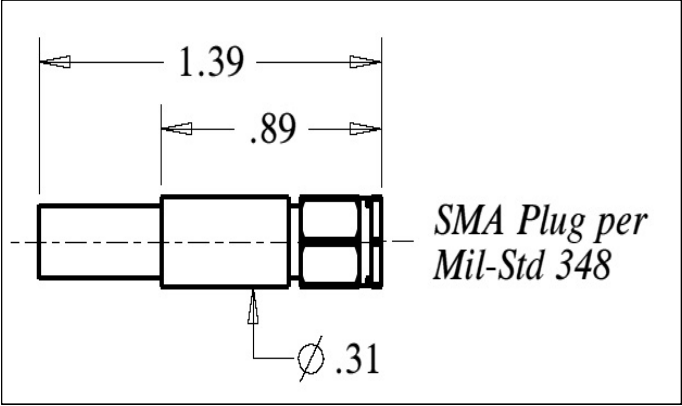


|   |                                |                         |
|---|--------------------------------|-------------------------|
| <b>PIC Wire &amp; Cable</b>   | <b>Connector Specification</b> | <b>P/N 150114</b>       |
| <i>A Division of the Angelus Corporation</i><br>Ph (262) 246-0500 Fax (262) 246-0450 www.picwire.com<br>PO Box 330 Sussex, WI 53089 | Approved : <i>PFT</i>          | Date : 03/02/15         |
|   | Distribution : USER            | Rev. 5 (10/23/19)       |
|   |                                | Uncontrolled if Printed |

**SMA 50 Ohm Straight Plug**  
*for UH44193*



*Features Not Shown : Safety Wire Holes, Gasket in Front*

**PERFORMANCE**

|                         |                             |
|-------------------------|-----------------------------|
| Nominal Impedance :     | 50 Ohms                     |
| Frequency Range :       | 0 - 12 GHz                  |
| Voltage Rating :        | 335 V(rms)                  |
| Insulation Resistance : | 5000 Megohms                |
| DW Voltage :            | 750 V (rms)                 |
| Insertion Loss (max) :  | 0.20 dB max @ 12 GHz        |
| Insertion Loss :        | 0.06 $\sqrt{F(\text{GHz})}$ |
| Temperature Rating :    | -65° to +165° C             |

**CONNECTOR WEIGHT (Each)**

0.34 ounces (9.53 grams)

**RoHS COMPLIANT**

Complies to RoHS Standards

**INSTALLATION**

**Center Contact**

M22520 / 1-01 Tool  
 Selector Dial Setting #8  
 Positioner : M22520 / 1-09

**Crimp Ferrule**

M22520 / 5-01 Tool  
 M22520 / 5-11 Die Set  
 (.213" A hex)

**CONSTRUCTION**

**Materials:**

|               |   |
|---------------|---|
| Body          | Stainless Steel, ASTM-A582, Alloy UNS S30300                                    |
| Cable Contact | Beryllium Copper, ASTM-B196, Alloy UNS C17300                                   |
| Ferrule       | Brass, ASTM-B16, Alloy UNS 36000, Dead Soft, Or Copper, ASTM-B152, Alloy C12200 |
| Dielectric    | TFE Fluorocarbon, ASTM-D1710, Type 1, Grade 1                                   |
| Gasket        | Silicone Rubber   |

**Finish :**

|                |            |
|----------------|------------|
| Body           | Passivated |
| Ferrule        | Nickel     |
| Center Contact | Gold       |

**APPLICABLE STANDARDS**

MIL-STD 348, MIL-PRF-39012

**Notes :**

- 1) A 1.5" piece of Raychem ATUM heat shrink P/N ATUM-12/3-0 provided with connector for purpose of strain relief & moisture protection.
- 2) Please refer to T-1501XX Termination Instruction sheet for strip dimensions & instructions.