


**PIC Wire & Cable**

A Division of the Angelus Corporation  
 Ph (262) 246-0500 Fax (262) 246-0450 www.picwire.com  
 PO Box 330 Sussex, WI 53089

**Connector Specification****P/N 190801**Approved : 

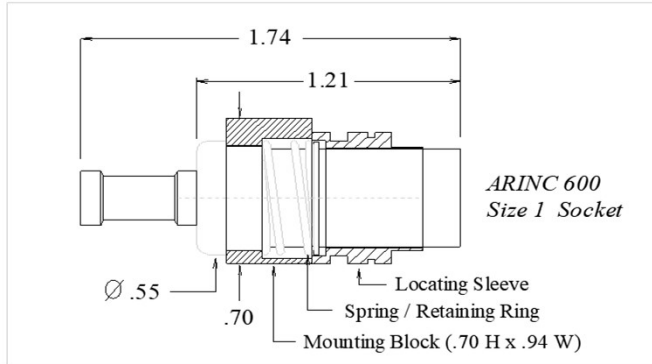
Date 12/15/98

Rev. 4 (09/07/18)

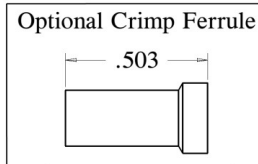
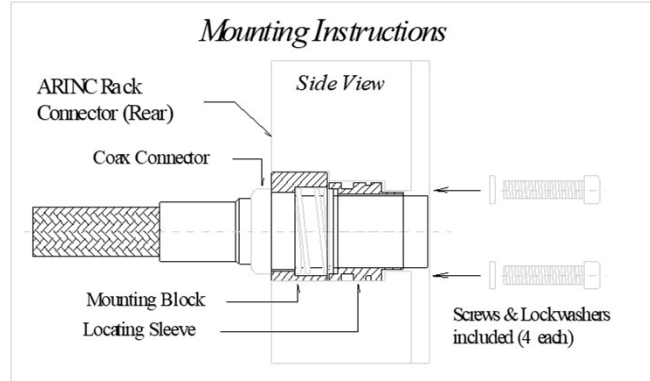
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**ARINC 600 Size 1 Socket**  
 for PIC Cables S83204, S86208, S88207



Features Not Shown : Mounting Screws (4 ea), Lockwashers (4 ea)

**PERFORMANCE**

|                                 |              |
|---------------------------------|--------------|
| Nominal Impedance               | 50 Ohms      |
| Frequency Range                 | 0 - 5 GHz    |
| Voltage Rating                  | 1000 V(rms)  |
| Insulation Resistance           | 5000 Megohms |
| Dielectric Withstanding Voltage | 2500 V(rms)  |
| VSWR (Max)                      | 1.7:1        |
| Insertion Loss (Max)            | 0.3 dB       |

**CONNECTOR WEIGHT (Each)**

1.46 ounces (41.50 grams)

**RoHS COMPLIANT**

Complies to RoHS Standards

**INSTALLATION****Center Contact**

M22520 / 2 - 01 Tool,  
 Selector Dial @ # 8  
 Recommended Positioner :  
 PIC # 110201 (Daniels # K1300)

**Weatherproofing Crimp Ferrule**

M22520 / 5 - 01 Tool,  
 PIC 190818 Hex Crimp Die  
 (.186/.222 hex)

**Optional Crimp Ferrule**

M22520 / 5-01 Tool,  
 \*MIL Spec M22520 / 5-09  
 (.178 A hex)

\* Note - MIL Spec die to be used on smaller diameter area of "optional" crimp ferrule only. Not the larger "Bell" area on end.

**CONSTRUCTION****Materials:**

|                        |  |
|------------------------|--|
| Body                   | Brass, ASTM-B16,<br>Alloy UNS 36000, H02                                 |
| Center Contact         | Beryllium Copper, ASTM-B196,<br>Alloy UNS C17300                         |
| Ferrule                | Brass, ASTM-B16,<br>Alloy UNS 36000, Dead Soft,<br>Weatherseals included |
| Dielectric             | TFE Fluorocarbon, ASTM-D1710,<br>Type 1, Grade 1                         |
| Spring, Retaining Ring | Stainless Steel  |
| Mounting Block         | Aluminum, Alloy 6061 T6  |

**Finish :**

|                        |            |
|------------------------|------------|
| Body, Ferrule          | Gold       |
| Center Contact         | Gold       |
| Spring, Retaining Ring | Passivated |
| Mounting Block         | Iridite    |

**Applicable Standards** ARINC 600**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-1908XX Termination Instruction  
 sheet for strip dimensions & instructions.