

**PIC Wire & Cable**

**Connector Specification**

**P/N 190819**

A Division of the Angelus Corporation  
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Approved :

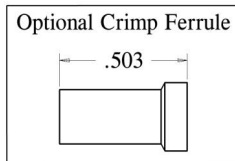
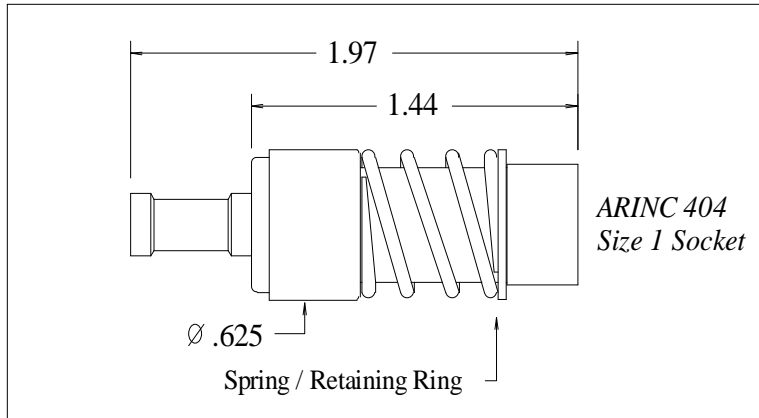
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Uncontrolled Document

**ARINC 404 Size 1 Socket**  
for PIC Cables S83204, S86208, S88207



**PERFORMANCE**

Nominal Impedance	50 Ohms
Frequency Range	0 - 5 GHz
Voltage Rating	1000 VRMS
Insulation Resistance	5000 Megohms

**CONNECTOR WEIGHT (Each)**

1.17 ounces (33.17grams)

**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)

**CONSTRUCTION**

**Materials:**

Body	Brass, ASTM-B16, Alloy UNS 36000, H02
Center Contact	Beryllium Copper, ASTM-B196, Alloy UNS C17300
Ferrule	Brass, ASTM-B16, Alloy UNS 36000, Dead Soft, Weatherseals included
Dielectric	TFE Fluorocarbon, ASTM-D1710, Type 1, Grade 1
Spring, Retaining Ring	Stainless Steel

**Finish :**

Body, Ferrule	Gold
Center Contact	Gold
Spring, Retaining Ring	Passivated

**Applicable Standards**

ARINC 404  
MIL-C-81659

**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.

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