**SMP Interface Mating Dimensions (Per MIL-STD-348)**

**MALE**

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<tr>
<th>LTR</th>
<th>Minimum</th>
<th>Maximum</th>
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<tr>
<td>Ø C</td>
<td>.123</td>
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<td>Ø D</td>
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<td>T</td>
<td>.055</td>
<td>1.40</td>
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**FEMALE**

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<th>Minimum</th>
<th>Maximum</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>in</td>
<td>mm²</td>
</tr>
<tr>
<td>Ø A</td>
<td>.118</td>
<td>3.00</td>
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<tr>
<td>Ø B</td>
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<td>Ø C</td>
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<td>J</td>
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<td>K</td>
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<td>2.08</td>
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<tr>
<td>L</td>
<td>.003</td>
<td>0.08</td>
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<tr>
<td>R</td>
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<td>5.59</td>
</tr>
<tr>
<td>T</td>
<td>.057</td>
<td>1.45</td>
</tr>
</tbody>
</table>

**Note(s):**
1. Dimensions are in inches.
2. Metric equivalents (to the nearest 0.01mm) are given for general information only and are based on 1 inch = 25.4 millimeters.
3. Pin is not supplied with shroud.
4. Dielectric insulator gap is measured from connector body reference plane .000 in. max. above (flush) to .010 in. max. below.
5. Center conductor gap is measured from connector body reference plane .000 in. max. above (flush) to .008 in. max. below.
The specifications below are general specifications for all SMP connectors. Specific specifications for VSWR, insertion loss, and RF leakage for each connector is available from the factory upon request. Specifications in the following table are recommended for any procurement documents or drawings.

In the event of any conflict between these specifications and DSCC 94007 and DSCC 98004, these specifications shall govern. These specifications are subject to change according to the latest revision of Specification DSCC 94007 and DSCC 98004.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Steel corrosion resistant per ASTM A-582, 300 Series, AMS 5567, AMS 5370</td>
</tr>
<tr>
<td></td>
<td>Brass Alloy per ASTM B-16</td>
</tr>
<tr>
<td></td>
<td>Beryllium copper per ASTM B-196 or B-197</td>
</tr>
<tr>
<td></td>
<td>PTFE Fluorocarbon per ASTM D-1547</td>
</tr>
<tr>
<td></td>
<td>Silicone Rubber per ZZ-R-765, CLASS IIB, 50-60 Shore.</td>
</tr>
<tr>
<td>Finish</td>
<td>Center contacts shall be gold plated to a minimum thickness of .00005-inch in accordance with ASTM B-488, Type 3, Code C over nickel underplate. All other metal parts shall be finished so as to provide a connector which meets the corrosion requirements of this table.</td>
</tr>
<tr>
<td>Design</td>
<td>The design shall be such that the outline dimensions in this catalog are met. In addition, the assembled connector shall meet the interface dimensions. Dimensions are reference only unless stated.</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td></td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td>The insulation resistance shall not be less than 5,000 megaohms.</td>
</tr>
<tr>
<td>Dielectric Withstanding Voltage</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>RF High Potential Withstanding Voltage</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>Contact Resistance</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>Voltage Standing Wave Ratio (VSWR)</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>RF Leakage</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>Corona Level</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
<td></td>
</tr>
<tr>
<td>Force to Engage and Disengage</td>
<td>Engage: 15.0 lbs. max., Full Detent 5.0 lbs. max., Limited Detent 2.0 lbs. max., Smooth Bore and Catcher’s Mitt Disengage: 5.0 lbs. min., Full Detent 1.5 lbs. min., Limited Detent 0.5 lbs. min., Smooth Bore and Catcher’s Mitt</td>
</tr>
<tr>
<td>Misalignment</td>
<td>+/- .020 Radial, .000/.010 Axial</td>
</tr>
<tr>
<td>Cable Retention Force</td>
<td>Consult factory.</td>
</tr>
<tr>
<td>Mating Characteristics</td>
<td>Female only: 1/4 oz. min. withdrawal with .0140 -.0000/.+0.002 diameter pin.</td>
</tr>
<tr>
<td>Connector Durability</td>
<td>The connector to be tested and its mating connector shall be subjected to: 100 mating cycles min. for Full Detent; 500 mating cycles min. for Limited Detent; and 5000 mating cycles min. for Smooth Bore and Catcher’s Mitt. The connector shall show no evidence of mechanical failure and the connector shall meet the mating characteristic requirements.</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>Specification MIL-STD-202, Method 204, Test Condition D.</td>
</tr>
<tr>
<td>Thermal Shock</td>
<td>Refer to applicable military slash sheet or consult factory.</td>
</tr>
<tr>
<td>Moisture Resistance</td>
<td>Specification MIL-STD-202, Method 106. No measurement at high humidity. Insulation resistance shall be 200 megohms min. within 5 minutes after removal from humidity.</td>
</tr>
</tbody>
</table>
**P 6 1 7**

**SMP female to female straight adapter**

![Image of SMP female to female straight adapter]

---

**P 6 5 0**

**SMP female to female straight adapter**

![Image of SMP female to female straight adapter]

---

**P 9 1 2**

**SMP male bulkhead straight to SMP male catcher’s mitt adapter**

![Image of SMP male bulkhead straight to SMP male adapter]

---

**P 9 1 3**

**SMA male straight to SMP male adapter**

![Image of SMA male straight to SMP male adapter]
P 9 14
**SMP male straight to SMP female adapter**

![Image](image1.png)

**Tensolite**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Interface</th>
<th>“<strong>OA</strong>”</th>
</tr>
</thead>
<tbody>
<tr>
<td>P914-1CC</td>
<td>Full detent</td>
<td>.116</td>
</tr>
<tr>
<td>P914-2CC</td>
<td>Limited detent</td>
<td>.120</td>
</tr>
<tr>
<td>P914-3CC</td>
<td>Smooth bore</td>
<td>.125</td>
</tr>
</tbody>
</table>

Center conductor is captivated.

Standard units are gold finish.

---

P 9 16
**SMP male straight to SMP male catcher’s mitt adapter**

![Image](image2.png)

**Tensolite**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Interface</th>
<th>“<strong>OA</strong>”</th>
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</thead>
<tbody>
<tr>
<td>P916-1CCSF</td>
<td>Full detent</td>
<td>.116</td>
</tr>
<tr>
<td>P916-2CCSF</td>
<td>Limited detent</td>
<td>.120</td>
</tr>
<tr>
<td>P916-3CCSF</td>
<td>Smooth bore</td>
<td>.125</td>
</tr>
</tbody>
</table>

Center conductor is captivated.

Standard finish is passivated.

---

P 9 2 2
**SMP female bullet spring loaded straight to SMP female adapter**

![Image](image3.png)

**Tensolite**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>(open)</th>
<th>(closed)</th>
<th>B</th>
<th>O-ring</th>
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<tr>
<td>P922-2CC</td>
<td>(.510)</td>
<td>(.460)</td>
<td>(.115)</td>
<td>Not required</td>
</tr>
<tr>
<td>P922-3CC</td>
<td>(.745)</td>
<td>(.695)</td>
<td>(.115)</td>
<td>Not required</td>
</tr>
<tr>
<td>P922-4CC</td>
<td>(.660)</td>
<td>(.610)</td>
<td>(.135)</td>
<td>Required</td>
</tr>
<tr>
<td>P922-5CC</td>
<td>(1.000)</td>
<td>(.950)</td>
<td>(.135)</td>
<td>Required</td>
</tr>
<tr>
<td>P922-6CC</td>
<td>(1.376)</td>
<td>(1.326)</td>
<td>(.115)</td>
<td>Not required</td>
</tr>
</tbody>
</table>

Center conductor is captivated.

Standard units are gold finish.
SMP Field Replaceable Connectors

P835
SMP female 2 hole flange mount field replaceable

P836
SMP male detent 2 hole flange mount field replaceable

P837
SMP male 2 hole flange mount field replaceable with EMI gasket

Center conductor is captivated
Standard finish is gold finish

Center conductor is captivated
Standard finish is passivated

Center conductor is captivated
Standard finish is passivated

Tensolite Part No. Interface “A” Fig.
P835-1CC “A” .012 1
P835-2CC “A” .015 1
P835-3CC “A” .018 1

Tensolite Part No. Interface “A” Fig.
P836-1CCSF Full detent .116 1
P836-2CCSF Limited detent .120 1
P836-3CCSF Smooth bore .125 1
P836-4CCSF Full detent .116 2
P836-5CCSF Limited detent .120 2
P836-6CCSF Smooth bore .125 2

Tensolite Part No. Interface “ØA” Fig.
P837-1CCSF Full detent .116 1
P837-2CCSF Limited detent .120 1
P837-3CCSF Smooth bore .125 1

Tensolite Part No. Interface “A” Fig.
P837-1CCSF Full detent .116 1
P837-2CCSF Limited detent .120 1
P837-3CCSF Smooth bore .125 1
**SMP Cable Connectors**

**P 6 0 0**

SMP female right angle to flexible cable (18.0 GHz version)

![Figure 1](image1)

![Figure 2](image2)

**P 6 0 1**

SMP female right angle connector for flex cable (26.5 GHz version)

![Figure 1](image3)

![Figure 2](image4)

![Figure 3](image5)

![Figure 4](image6)

---

**Tensolite Part No.**

**Cable Types**

**Fig.**

| P600-1CC | RG178 | 1 |
| P600-2CC | RG316 | 1 |
| P600-3CC | RD178 | 1 |
| P600-4CC | RD316 | 2 |
| P600-9CC | LLF1087 | 1 |

Center conductor is captivated
Standard units are gold finish

---

**Tensolite Part No.**

**Cable Types**

**Fig.**

| P601-1CC | RG178 | 3 |
| P601-2CC | RG316 | 3 |
| P601-3CC | RD178 | 3 |
| P601-4CC | RD316 | 3 |
| P601-9CC | LLF1087 | 1 |
| P601-11CC | RG178 | 4 |
| P601-12CC | RG316 | 4 |
| P601-13CC | RD178 | 4 |
| P601-14CC | RD316 | 4 |
| P601-19CC | LLF1087 | 2 |
| P601-21CC | LLFP1087 | 3 |
| P601-22CC | LLFP1087 | 4 |

Center conductor is captivated
Standard units are gold finish

---

**Call:** 877-890-7483  **Website:** www.tensolite.com

---

**Figure 2**

**Figure 1**

**Figure 4**

**Figure 3**
**SMP Semi-Rigid Cable Connectors**

**P 629-1**

SMP female straight to Ø .141 Semi-Rigid cable (18.0 GHz version)

**P 634-1**

SMP female float mount straight to Ø .085 Semi-Rigid cable (18.0 GHz version)

**P 651**

SMP female straight to Semi-Rigid cable

**P 660**

SMP male bulkhead jam nut mount straight to Semi-Rigid cable

---

**Tensolite Part No.**

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<thead>
<tr>
<th>Interface</th>
<th>Ø A (in)</th>
<th>Ø B (in)</th>
<th>Ø C (in)</th>
<th>S/R Cable Type</th>
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<tr>
<td>P660-1CC</td>
<td>.116</td>
<td>.049</td>
<td>.095</td>
<td>.047 Semi-Rigid</td>
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<td>P660-2CC</td>
<td>.120</td>
<td>.049</td>
<td>.095</td>
<td>.047 Semi-Rigid</td>
</tr>
<tr>
<td>P660-3CC</td>
<td>.125</td>
<td>.049</td>
<td>.095</td>
<td>.047 Semi-Rigid</td>
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<tr>
<td>P660-4CC</td>
<td>.116</td>
<td>.088</td>
<td>.108</td>
<td>.085 Semi-Rigid</td>
</tr>
<tr>
<td>P660-5CC</td>
<td>.120</td>
<td>.088</td>
<td>.108</td>
<td>.085 Semi-Rigid</td>
</tr>
<tr>
<td>P660-6CC</td>
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<td>.088</td>
<td>.108</td>
<td>.085 Semi-Rigid</td>
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<tr>
<td>P660-7CC</td>
<td>.116</td>
<td>.049</td>
<td>.095</td>
<td>.047 Micro porous</td>
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<td>P660-8CC</td>
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<tr>
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<td>.088</td>
<td>.108</td>
<td>.085 Micro porous</td>
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<tr>
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<td>.088</td>
<td>.108</td>
<td>.085 Micro porous</td>
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<tr>
<td>P660-12CC</td>
<td>.125</td>
<td>.088</td>
<td>.108</td>
<td>.085 Micro porous</td>
</tr>
</tbody>
</table>

---

Center conductor is captive. Standard units are gold finish.

---

**Call**: 877-890-7483  **Website**: www.tensolite.com
SMP Semi-Rigid Cable Connectors

**P662**
SMP male bulkhead panel mount to Semi-Rigid cable

**P664**
SMP male 2 hole flange mount straight to Semi-Rigid cable

**P658**
SMP female float mount straight to cable

**P666**
SMP female float mount straight to cable

---

**Tensolite**

**Part No.** | **Interface** | **(Ø A)** | **Cable Types** | **Fig.** | **Cable Types**
--- | --- | --- | --- | --- | ---
P662-1CC | Catcher’s Mitt | Ø .047 S/R | 1 | 1
P662-2CC | Catcher’s Mitt | Ø .085 S/R | 1 | 1
P662-3CC | Catcher’s Mitt | Ø .047 L/L | 1 | 1
P662-4CC | Catcher’s Mitt | Ø .085 L/L | 1 | 1
P662-5CC | Full Detent | Ø .047 S/R | 2 | 1
P662-6CC | Full Detent | Ø .085 S/R | 2 | 1
P662-7CC | Full Detent | Ø .047 L/L | 2 | 1
P662-8CC | Full Detent | Ø .085 L/L | 2 | 1
P662-9CC | Limited Detent | Ø .047 S/R | 2 | 1
P662-10CC | Limited Detent | Ø .085 S/R | 2 | 1
P662-11CC | Limited Detent | Ø .047 L/L | 2 | 1
P662-12CC | Limited Detent | Ø .085 L/L | 2 | 1
P662-13CC | Limited Detent | Ø .047 S/R LL | 3 | 1
P662-14CC | Limited Detent | Ø .085 S/R LL | 3 | 1

Center conductor is captivated
Standard units are gold finish

---

**Tensolite**

**Part No.** | **(Ø A)** | **Cable Types** | **Fig.** | **Cable Types**
--- | --- | --- | --- | ---
P664-1SF | Full Detent | Ø .049 Min | .047 S/R | 1
P664-2SF | Limited Detent | Ø .049 Min | .047 S/R | 1
P664-3SF | Smooth Bore | Ø .049 Min | .047 S/R | 1
P664-4SF | Full Detent | Ø .088 Min | .085 S/R | 1
P664-5SF | Limited Detent | Ø .088 Min | .085 S/R | 1
P664-6SF | Smooth Bore | Ø .088 Min | .085 S/R | 1
P664-7SF | Full Detent | Ø .049 Min | .047 S/R LL | 1
P664-8SF | Limited Detent | Ø .049 Min | .047 S/R LL | 1
P664-9SF | Smooth Bore | Ø .049 Min | .047 S/R LL | 1
P664-10SF | Full Detent | Ø .088 Min | .085 S/R LL | 1
P664-11SF | Limited Detent | Ø .088 Min | .085 S/R LL | 1
P664-12SF | Smooth Bore | Ø .088 Min | .085 S/R LL | 1
P664-13SF | Catcher’s Mitt | Ø .049 Min | .047 S/R LL | 2
P664-14SF | Catcher’s Mitt | Ø .088 Min | .085 S/R LL | 2

Center conductor is captivated
Standard finish is passivated.

---

**Tensolite**

**Part No.** | **(Ø A)** | **Cable Types** | **Fig.** | **Cable Types**
P666-1CC | .081 Min | UFF .092A | 1 | 1
P666-2CC | .089 Min | RG316/U | 1 | 1
P666-3CC | .090 Min | T-FLEX 405HF | 1 | 1
P666-4CC | .087 Min | Microflex Ø .095 | 1 | 1
P666-5CC | .090 Min | Ø .085 S/R | 1 | 1
P666-6CC | .080 Min | Ø .085 S/R LL | 2 | 1
P666-7CC | .050 Min | Ø .047 S/R | 2 | 1
P666-8CC | .050 Min | Ø .047 S/R LL | 2 | 1

Center conductor is captivated
Standard units are gold finish
Axial Float: .040 inch
Radial Float: ± .020 inch

---

**Tensolite**

**Part No.** | **(Ø A)** | **Cable Types** | **Fig.** | **Cable Types**
P668-1CC | .081 Min | UFF .092A | 1 | 1
P668-2CC | .089 Min | RG316/U | 1 | 1
P668-3CC | .090 Min | T-FLEX 405HF | 1 | 1
P668-4CC | .087 Min | Microflex Ø .095 | 1 | 1
P668-5CC | .090 Min | Ø .085 S/R | 1 | 1
P668-6CC | .080 Min | Ø .085 S/R LL | 2 | 1
P668-7CC | .050 Min | Ø .047 S/R | 2 | 1
P668-8CC | .050 Min | Ø .047 S/R LL | 2 | 1

Center conductor is captivated
Standard units are gold finish
Axial Float: .040 inch
Radial Float: ± .020 inch

---

**Call:** 877-890-7483  
**Website:** www.tensolite.com
**P 7 2 2 -1 CCS F**

SMP male limited detent bulkhead panel mount to Ø .085 Semi-Rigid cable

**P 7 2 3**

SMP male catcher’s mitt bulkhead panel mount straight to Semi-Rigid cable

**P 6 5 2**

SMP female miter right angle to Semi-Rigid cable (12.0 GHz version)

**P 6 5 9**

SMP female miter right angle to Semi-Rigid cable (18GHz)
P 6 5 5
SMP female miter right angle to Semi-Rigid cable (26.5 GHz version)

Figure 1

Figure 2

P 6 0 4
SMP female miter right angle to Semi-Rigid cable (18.0 GHz version)

P 6 6 5
SMP female miter right angle to Semi-Rigid cable

Center conductor is captivated.
Standard units are gold finish.
**SMP**

**Straight Cable Connectors**

**P 6 5 7**

SMP female straight to flex cable

![Image of SMP female straight to flex cable](image)

**P 6 6 1**

SMP male bulkhead connector for flex cables

![Image of SMP male bulkhead connector for flex cables](image)

**P 6 6 3**

SMP male panel mount straight to flex cable

![Image of SMP male panel mount straight to flex cable](image)

---

**SMP**

**Caps, Shorts, Opens & Loads**

**P 6 6 7 -1**

SMP (protective cap)

![Image of SMP (protective cap)](image)
**SMP Loads & Terminations**

**P9 30-1CC**

SMP female short

- Center conductor is captivated.
- Standard units are gold finish.

**P9 31-1**

SMP female open

- Center conductor is captivated.
- Standard units are gold finish.

**P9 18-1CC**

SMP female straight to 50 Ohm load termination

- Center conductor is captivated.
- Standard units are gold finish.

**P9 19**

SMP male straight 50 Ohm load termination

- Center conductor is captivated.
- Standard units are gold finish.

---

**Tensolite**

**Part Number**

- P919-1CCSF: Full Detent
- P919-2CCSF: Limited Detent
- P919-3CCSF: Smooth Bore

**Call:** 877-890-7483  **Website:** www.tensolite.com
P674
SMP male thread in style to straight termination

P678
SMP male 2 hole flange mount straight termination

P834
SMP male thread-in style to Ø .036 straight termination

P602
SMP male right angle TCB mount to straight termination

Center conductor is captured. Standard units are gold finish.
SMP Circuit Board Connectors

P 6 0 3
SMP male PCB mount to straight termination

P 6 0 6
SMP male straight PCB edge mount to straight termination

P 6 4 6
SMP male right angle to PCB mount

P 6 5 4
SMP male straight to PCB mount connector

Tensolite Part No. | Interface (ØA) | Interface (ØB) | Interface (C) | Fig.
--- | --- | --- | --- | ---
P603-1CC | Full Detent .116 | .150 | .150 | 2
P603-2CC | Limited Detent .120 | .150 | .150 | 2
P603-3CC | Smooth Detent .125 | .150 | .150 | 2

Center conductor is captivated. Standard units are gold finish.

Tensolite Part No. | Interface(s) (ØA) | Interface (ØB) | Interface (C) | Fig.
P646-1CC | Limited Detent .120 | .215 | .100 | 2
P646-2CC | Full Detent .116 | .215 | .100 | 2
P646-3CC | Smooth Bore .125 | .215 | .100 | 2
P654-1CC | Catcher’s Mitt .125 | .235 | .100 | 1
P654-2CC | Full Detent .116 | .235 | .100 | 2
P654-3CC | Limited Detent .120 | .235 | .100 | 2
P654-4CC | Catcher’s Mitt .125 | .215 | .100 | 1
P654-5CC | Full Detent .116 | .215 | .100 | 2
P654-6CC | Limited Detent .120 | .215 | .100 | 2
P654-7CC | Smooth Bore .125 | .215 | .100 | 2
P654-8CC | Catcher’s Mitt .125 | .235 | .100 | 1
P654-9CC | Full Detent .116 | .235 | .100 | 2
P654-10CC | Limited Detent .120 | .235 | .100 | 2
P654-11CC | Smooth Bore .125 | .215 | .100 | 2
P654-12CC | Catcher’s Mitt .125 | .235 | .100 | 1

Center conductor is captivated. Standard units are gold finish.

Standard units are gold finish.
**P 6 5 6**

SMP male to female right angle 2 hole flange mount

**P 6 9 5**

SMP male straight to PCB mount

**P 6 9 6**

SMP male straight to PCB mount

**P 6 9 8**

SMP male straight PCB edge mount

---

**Tensolite Part No.**

<table>
<thead>
<tr>
<th>Interface(s)</th>
<th>(A)</th>
<th>(B)</th>
<th>(C)</th>
<th>(D)</th>
<th>(E)</th>
<th>(F)</th>
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<td>192</td>
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<td>076</td>
<td>170</td>
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Center conductor is captured.
Standard finish is passivated.

---

**Tensolite Part No.**

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<td>P695-3CCSF</td>
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Center conductor is captured.
Standard finish is passivated.

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**Tensolite Part No.**

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Center conductor is captured.
Standard finish is passivated.

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**Tensolite Part No.**

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<td>P698-2CC</td>
<td>Limited Detent</td>
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<td>P698-3CC</td>
<td>Smooth Bore</td>
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Center conductor is captured.
Standard units are gold finish.
**SMP Hermatics**

**P680**

**SMP male straight to termination (Hermetic)**

<table>
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<th>(B)</th>
<th>(C)</th>
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<td>.040</td>
<td>.037/.039</td>
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<td>Limited Detent</td>
<td>.120</td>
<td>.120</td>
<td>.040</td>
<td>.037/.039</td>
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<tr>
<td>P680-3CC</td>
<td>Smooth Bore</td>
<td>.125</td>
<td>.120</td>
<td>.040</td>
<td>.037/.039</td>
</tr>
<tr>
<td>P680-4CC</td>
<td>Full Detent</td>
<td>.116</td>
<td>.140</td>
<td>.060</td>
<td>.057/.059</td>
</tr>
<tr>
<td>P680-5CC</td>
<td>Limited Detent</td>
<td>.120</td>
<td>.140</td>
<td>.060</td>
<td>.057/.059</td>
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<td>P680-6CC</td>
<td>Smooth Bore</td>
<td>.125</td>
<td>.140</td>
<td>.060</td>
<td>.057/.059</td>
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Center conductor is captivated.
Standard units are gold finish.

**P681**

**SMP male straight to termination (Hermetic)**

<table>
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</tr>
<tr>
<td>P681-2CC</td>
<td>.120</td>
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</tr>
<tr>
<td>P681-3CC</td>
<td>.125</td>
<td>Smooth Bore</td>
</tr>
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</table>

Center conductor is captivated.
Standard units are gold finish.

**P682**

**SMP male straight to termination (Hermetic)**

<table>
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<td>P682-2CC</td>
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</tr>
<tr>
<td>P682-3CC</td>
<td>.125</td>
<td>Smooth Bore</td>
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</table>

Center conductor is captivated.
Standard units are gold finish.

**P786**

**SMP male straight to termination (Hermetic)**

<table>
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<th>Interface(s)</th>
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<td>.050</td>
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<tr>
<td>P786-2CC</td>
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<td>.050</td>
</tr>
<tr>
<td>P786-3CC</td>
<td>Limited Detent</td>
<td>.120</td>
<td>.050</td>
</tr>
<tr>
<td>P786-4CC</td>
<td>Full Detent</td>
<td>.116</td>
<td>.075/.072</td>
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<tr>
<td>P786-5CC</td>
<td>Smooth Bore</td>
<td>.125</td>
<td>.075/.072</td>
</tr>
<tr>
<td>P786-6CC</td>
<td>Limited Detent</td>
<td>.120</td>
<td>.075/.072</td>
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</table>

Center conductor is captivated.
Standard units are gold finish.
**P790**
SMP male straight to termination (Hermetic)

**P794**
SMP male limited detent straight to termination (Hermetic)

**P840**
SMP male full detent straight to termination (Hermetic)

---

**Tensolite Part No.** | (L) | Interface(s) |
--- | --- | --- |
P790-1CC | .116 | Full Detent |
P790-2CC | .120 | Limited Detent |
P790-3CC | .125 | Smooth Bore |

Center conductor is captivated. Standard units are gold finish.

---

**Tensolite Part No.** | (L) | Detail |
--- | --- | --- |
P794-1CC | (.090) | A |
P794-2CC | (.070) | B |
P794-3CC | (.050) | A |

Center conductor is captivated. Standard units are gold finish.

---

**Tensolite Part No.** | L | Detail |
--- | --- | --- |
P840-1CC | .030 | A |
P840-2CC | .030 | B |
P840-3CC | .040 | A |
P840-4CC | .040 | B |
P840-5CC | .050 | A |
P840-6CC | .050 | B |
P840-7CC | .060 | A |
P840-8CC | .060 | B |
P840-9CC | .070 | A |
P840-10CC | .070 | B |
P840-11CC | .080 | A |
P840-12CC | .080 | B |
P840-13CC | .090 | A |
P840-14CC | .090 | B |
P840-15CC | .100 | A |
P840-16CC | .100 | B |
P840-17CC | .110 | A |
P840-18CC | .110 | B |
P840-19CC | .120 | A |
P840-20CC | .120 | B |
P840-21CC | .130 | A |
P840-22CC | .130 | B |
P840-23CC | .085 | A |
P840-24CC | .085 | B |

Center conductor is captivated. Standard units are gold finish.
P 7 6 1-1C C
SMP male limited detent thread-in style to straight termination (Hermetic)

P 6 8 3
SMP male thread-in style to straight termination (Hermetic)
### P670
**SMP full detent straight 2 hole flange mount shroud**

![Diagram of SMP full detent straight 2 hole flange mount shroud]

<table>
<thead>
<tr>
<th>Tensolite Part No.</th>
<th>(A)</th>
<th>(B)</th>
<th>(Ø C)</th>
<th>(Ø D)</th>
<th>(E)</th>
<th>(F)</th>
<th>(G)</th>
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</thead>
<tbody>
<tr>
<td>P670-1SF</td>
<td>0.328</td>
<td>0.187</td>
<td>0.098</td>
<td>0.480</td>
<td>0.120</td>
<td>0.045</td>
<td>0.004</td>
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<tr>
<td>P670-2SF</td>
<td>0.481</td>
<td>0.223</td>
<td>0.102</td>
<td>0.625</td>
<td>0.120</td>
<td>0.045</td>
<td>0.002</td>
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<tr>
<td>P670-3SF</td>
<td>0.282</td>
<td>0.165</td>
<td>0.073</td>
<td>0.400</td>
<td>0.120</td>
<td>0.045</td>
<td>0.002</td>
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<tr>
<td>P670-4SF</td>
<td>0.400</td>
<td>0.223</td>
<td>0.102</td>
<td>0.550</td>
<td>0.120</td>
<td>0.045</td>
<td>0.004</td>
</tr>
<tr>
<td>P670-5SF</td>
<td>0.282</td>
<td>0.165</td>
<td>0.073</td>
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<td>0.120</td>
<td>0.045</td>
<td>0.005</td>
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<tr>
<td>P670-6SF</td>
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<td>0.223</td>
<td>0.102</td>
<td>0.625</td>
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<td>NR</td>
<td>NR</td>
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<td>0.120</td>
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<td>0.098</td>
<td>0.480</td>
<td>0.120</td>
<td>0.045</td>
<td>0.005</td>
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</table>

*2X #0-80 UNF-2B X Ø .085 X 90° counter sink
Standard finish is passivated.

### P671
**SMP shroud, catcher’s mitt 2 hole flange mount**

![Diagram of SMP shroud, catcher’s mitt 2 hole flange mount]

<table>
<thead>
<tr>
<th>Tensolite Part No.</th>
<th>(A)</th>
<th>(B)</th>
<th>(Ø C)</th>
<th>(Ø D)</th>
<th>(E)</th>
<th>(F)</th>
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<td>0.625</td>
<td>0.120</td>
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<tr>
<td>P671-3SF</td>
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<td>0.235</td>
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<td>0.550</td>
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Standard finish is passivated.

### P672
**SMP limited detent straight 2 hole flange mount shroud**

![Diagram of SMP limited detent straight 2 hole flange mount shroud]

<table>
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<tr>
<th>Tensolite Part No.</th>
<th>(A)</th>
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<th>(Ø C)</th>
<th>(Ø D)</th>
<th>(E)</th>
<th>(F)</th>
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</thead>
<tbody>
<tr>
<td>P672-1SF</td>
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<td>0.187</td>
<td>0.098</td>
<td>0.480</td>
<td>0.120</td>
<td>0.045</td>
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<td>P672-2SF</td>
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<td>0.223</td>
<td>0.102</td>
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<td>0.073</td>
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<td>0.120</td>
<td>0.045</td>
<td>0.002</td>
</tr>
<tr>
<td>P672-4SF</td>
<td>0.400</td>
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<td>0.103</td>
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<td>0.120</td>
<td>0.045</td>
<td>0.004</td>
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</table>

Standard finish is passivated.

### P673
**SMP shroud smooth bore straight 2 hole flange mount**

![Diagram of SMP shroud smooth bore straight 2 hole flange mount]

<table>
<thead>
<tr>
<th>Tensolite Part No.</th>
<th>(A)</th>
<th>(B)</th>
<th>(Ø C)</th>
<th>(Ø D)</th>
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<th>(F)</th>
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<td>P673-2SF</td>
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<td>0.073</td>
<td>0.400</td>
<td>0.120</td>
<td>0.002</td>
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</tbody>
</table>

Standard finish is passivated.
**P 6 7 5**

SMP press in shroud

![SMP press in shroud](image)

**P 6 7 6**

SMP shroud, thread in style

![SMP shroud, thread in style](image)

**P 7 3 9 - 1SF**

SMP full detent shroud

![SMP full detent shroud](image)

**P 7 6 9**

SMP full detent press-in shroud

![SMP full detent press-in shroud](image)
**P 6 7 7**
SMP shroud solder-in surface mount

**P 7 0 2**
SMP male straight surface mount

**P 7 0 3**
SMP male straight PCB surface mount

**P 7 5 7 - 1 C C**
SMP male catcher’s mitt surface mount to straight termination

---

### Tensolite Part Number Interface (ØA)

- **P677-1** Full Detent .116
- **P677-2** Limited Detent .120
- **P677-3** Smooth Bore .125

Standard units are gold finish.

### Tensolite Part Number Interface Fig. (ØA)

- **P702-1CC** Full Detent 1 .116
- **P702-2CC** Limited Detent 1 .120
- **P702-3CC** Smooth Bore 1 .125
- **P702-4CC** Catcher’s Mitt 2 .125

Center conductor is captivated. Standard units are gold finish.

### Tensolite Part Number Interface Fig.

- **P703-1CC** Full Detent 1
- **P703-2CC** Limited Detent 1
- **P703-3CC** Smooth Bore 1
- **P703-4CC** Catcher’s Mitt 2

Center conductor is captivated. Standard units are gold finish.
P 775-1
SMP male limited detent surface mount round flange

P 797
SMP male straight PCB surface mount

P 838
SMP male straight to surface mount

P 839
SMP male straight to surface mount

Standard units are gold finish.
The "SF" suffix in the part number designates passivated stainless finish; all others are gold finish.