PT, SP, MS/PT

how to order

PT, SP

To more easily illustrate ordering procedure, part number PT00A-20-41PW(SR) is shown as follows:

<table>
<thead>
<tr>
<th>PT</th>
<th>00</th>
<th>A</th>
<th>20</th>
<th>41</th>
<th>P</th>
<th>W</th>
<th>(SR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

See code below:

1. Connector Type
   - “PT” designates standard olive drab, electrically conductive cadmium plated bayonet lock connector with solder contacts
   - “SP” designates electrically non-conductive, hard anodic coated bayonet lock connector with solder contacts and larger flange and mounting holes for back panel mounting
   - “PTG” designates plug with grounding fingers

2. Shell Style
   - “00” designates wall mounting receptacle
   - “01” designates cable connecting receptacle
   - “02” designates box mounting receptacle
   - “06” designates straight plug
   - “07” designates jam nut receptacle
   - “08” designates 90 degree plug cable support
   - “B” designates thru bulkhead receptacle (pressurized)
   - “I” designates solder mount receptacle (Hermetic only)

3. Service Classes
   - “A” designates general duty back shell
   - “C” designates pressurized receptacle
   - “E” designates environmental resisting open wire seal with grommet and nut
   - “J” designates clamp assembly for moisture proofing multi-jacketed cables, with strain relief
   - “P” designates assembly with potting boot
   - “W” designates clamp assembly for moisture proofing multi-jacketed cables
   - “H” designates hermetic without interfacial seal
   - “Y” designates hermetic with interfacial seal

4. Shell Size
   - “20” designates shell size. Shell sizes 6 through 24 available.

5. Insert Arrangement
   - “20 - 41” designates insert arrangement. Refer to pages 56-61 for insert availability.

6. Contacts
   - “P” designates pin contacts
   - “S” designates socket contacts

For ordering connectors with printed circuit board contacts, see pg. 12.

7. Insert Rotation
   - “W”, “X”, “Y”, “Z” designate that insert is rotated in its shell from “normal” position. No letter required for normal (no rotation) position.

8. “SR” designates a strain relief clamp.

Indicate optional finishes as follows:

- (003) olive drab cadmium plate (standard on “PT”)
- (005) anodic coating - Alumilite® (standard on “SP”)
- (014) olive drab cadmium plate over nickel
- (023) electroless nickel
- (024) olive drab zinc cobalt plating
- (025) non-conductive black zinc cobalt plating
- (027) conductive black zinc cobalt plating
- (424) electroless nickel finish with strain relief
- (466) olive drab zinc cobalt plating with strain relief
- (470) non-conductive black zinc cobalt plating with strain relief
- (476) conductive black zinc cobalt plating with strain relief
- (100) Suffix added for flat eyelet pin contacts in hermetic versions

MS/PT

MIL-C-26482, Series 1

Part number MS3110E20-41PW is shown as follows:

<table>
<thead>
<tr>
<th>MS</th>
<th>311</th>
<th>0</th>
<th>E</th>
<th>20</th>
<th>41</th>
<th>P</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

For Hermetic connectors part number MS3113H20Y41PW is shown as follows:

<table>
<thead>
<tr>
<th>MS</th>
<th>311</th>
<th>0</th>
<th>H</th>
<th>20</th>
<th>Y</th>
<th>41</th>
<th>P</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

See code below:

1. “MS” designates Military Standard

2. Specification Number
   - “311” designates basic family number for MIL-C-26482, Series 1 solder type

3. Shell Style
   - “0” designates wall mounting receptacle
   - “1” designates cable connecting receptacle
   - “2” designates box mounting receptacle
   - “3” designates solder mount receptacle (hermetic only)
   - “4” designates jam nut receptacle
   - “6” designates straight plug

4. Service Class
   - “E” designates environmental resisting connector
   - “F” designates environmental resisting connectors with strain relief
   - “J” designates clamp assembly for moisture proofing multi-jacketed cables, with strain relief
   - “P” designates potted type with potting boot
   - “H” designates hermetic

5. Shell Size
   - “20” designates shell size. Shell sizes 8 through 24 available.

6. Insert Arrangement
   - “20-41” designates arrangement. Refer to pages 56-61 for insert availability.
   - Hermetic version
     - “20Y41” designates insert arrangement; specify “Y” for flat eyelet pin contacts, or “C” for solder cup pin contacts

7. Contact Configuration
   - “P” designates pin contacts
   - “S” designates socket contacts

8. Insert Rotation
   - “W”, “X”, “Y”, “Z” designate that insert is rotated in its shell from “normal” position. No letter required for normal (no rotation) position.

* Hermetic connectors are supplied with tin plated shells.
** This connector style is sometimes referred to as a cable connecting “plug”. It does, however, mate with either a straight or 90 degree plug.