### 377-040
Composite Fiber-Optic Strain-Relief Backshell with Cable Alignment Grommet and Self-Locking Rotatable Coupling

#### Connector Designator:
- **H**: MIL-DTL-38999 Series III and IV
- **U**: DG123 and DG123A

#### Self-Locking Rotatable Coupling Standard Profile

#### Product Series
- **377**: Fiber Optic Strain Relief

#### Angle and Profile
- **S**: Straight
- **W**: 90° Elbow

#### Finish Symbol
(See Table III)

#### Strain Relief Style
- **A**: Banding Adapter
- **N**: Nut

#### Connector Designator

#### Basic Part Number

#### Connector Shell Size
(See Table II)

#### Shrink Boot Option
(Omit for none)

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**U.S. Patent No. 6358077**

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![Diagram of 377-040 Backshell](image)

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**Wrench Flats**

**Anti-Decoupling Device**

**O-ring**

**Shrink Boot or Sleeve Groove Adapter**

**Wrench Flats**

**Strain Relief Grommet**

**Nut**

**Grommet Keys**

- .12 (3.0) Dia., K Places, Accommodates 16 Gage Contacts With .07 (1.8) to .11 (2.8) Diameter Fiber Cable
### TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER

<table>
<thead>
<tr>
<th>Shell Size For Conn. Desig.</th>
<th>E (± .06 (1.5))</th>
<th>F (± .09 (2.3))</th>
<th>G (± .06 (1.5))</th>
<th>H (Max)</th>
<th>J (Ref.)</th>
<th>K (# of Holes)*</th>
<th>Code H</th>
<th>Code U</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>U</td>
<td>11</td>
<td>---</td>
<td>1.70 (43.2)</td>
<td>2.39 (60.7)</td>
<td>1.90 (48.3)</td>
<td>1.41 (35.8)</td>
<td>.27 (6.9)</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>1.78 (45.2)</td>
<td>2.47 (62.7)</td>
<td>1.96 (49.8)</td>
<td>1.41 (35.8)</td>
<td>.33 (8.4)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
<td>13</td>
<td>1.82 (46.2)</td>
<td>2.51 (63.8)</td>
<td>2.02 (51.3)</td>
<td>1.41 (35.8)</td>
<td>.39 (9.9)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>17</td>
<td>15</td>
<td>1.89 (48.0)</td>
<td>2.70 (68.6)</td>
<td>2.09 (53.1)</td>
<td>1.64 (41.7)</td>
<td>.51 (13.0)</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>19</td>
<td>17</td>
<td>1.93 (49.0)</td>
<td>2.74 (69.6)</td>
<td>2.13 (54.1)</td>
<td>1.64 (41.7)</td>
<td>.64 (16.3)</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>21</td>
<td>19</td>
<td>2.00 (50.8)</td>
<td>2.94 (74.7)</td>
<td>2.19 (55.6)</td>
<td>1.89 (48.0)</td>
<td>.77 (19.6)</td>
<td>16</td>
<td>11</td>
</tr>
<tr>
<td>23</td>
<td>21</td>
<td>2.08 (52.8)</td>
<td>3.02 (76.7)</td>
<td>2.25 (57.2)</td>
<td>1.89 (48.0)</td>
<td>.84 (21.3)</td>
<td>21</td>
<td>16</td>
</tr>
<tr>
<td>25</td>
<td>23</td>
<td>2.14 (54.4)</td>
<td>3.20 (81.3)</td>
<td>2.32 (58.9)</td>
<td>2.16 (54.9)</td>
<td>.84 (21.3)</td>
<td>29</td>
<td>21</td>
</tr>
<tr>
<td>---</td>
<td>25</td>
<td>2.22 (56.4)</td>
<td>3.28 (83.3)</td>
<td>2.39 (60.7)</td>
<td>2.16 (54.9)</td>
<td>.89 (22.6)</td>
<td>---</td>
<td>29</td>
</tr>
</tbody>
</table>

* Use Glenair 687-142 seal plug in vacant holes

### TABLE III: FINISH

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Finish Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB</td>
<td>No Plating - Black Color (Non-Conductive Finish)</td>
</tr>
<tr>
<td>XO</td>
<td>No Plating - Brown Color (Non-Conductive Finish)</td>
</tr>
</tbody>
</table>

### NOTES

1. See Table I in Intro for front-end dimensional details.
2. Metric dimensions (mm) are in parentheses and are for reference only