380-005
EMI/RFI Non-Environmental Backshell
Heavy-Duty with Strain Relief
Type C - Rotatable Coupling - Low Profile

CONNECTOR DESIGNATORS
A-F-H-L-S

ROTATABLE COUPLING

TYPE C OVERALL
SHIELD TERMINATION

Product Series
Connector Designator
Angle and Profile
A = 90°
B = 45°
S = Straight
Basic Part No.
Length: S only
(1/2 inch increments: e.g. 6 = 3 inches)
Strain Relief Style
(M, D)
Cable Entry (Table X)
Shell Size (Table I)
Finish (Table II)

Length ± .060 (1.52)
Minimum Order Length 2.0 Inch
(See Note 4)

A Thread
(Table I)

Length ± .060 (1.52)
Minimum Order Length 1.5 Inch
(See Note 4)

Cable Range

Y

X

Z

G

H

E

F

8.8 (22.4) Max

STYLE 2
(STRAIGHT
See Note 1)

STYLE 2
(45° & 90°
See Note 1)

STYLE M
Medium Duty - Dash No. 01-04
(Table X)

8.50 (21.6)
Max

Cable Range

STREET M
Medium Duty - Dash No. 10-28
(Table X)

135 (3.4)
Max

Cable Range

STYLE D
Medium Duty
(Table X)

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www.glenair.com
Series 38 - Page 26
E-Mail: sales@glenair.com
1. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied. Dimensions E, F, G and H will not apply. Please consult factory.

2. Metric dimensions (mm) are indicated in parentheses.

3. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

4. Consult factory for shorter lengths on straight backshells.

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**TABLE X: CABLE ENTRY**

<table>
<thead>
<tr>
<th>Dash No.</th>
<th>X Max</th>
<th>Y Max</th>
<th>Z Max</th>
<th>Cable Range Min</th>
<th>Cable Range Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>.850  (21.6)</td>
<td>.781  (19.8)</td>
<td>.593  (15.1)</td>
<td>.062 (1.6)</td>
<td>.125 (3.2)</td>
</tr>
<tr>
<td>02</td>
<td>.850  (21.6)</td>
<td>.968  (24.6)</td>
<td>.718  (18.2)</td>
<td>.125 (3.2)</td>
<td>.250 (6.4)</td>
</tr>
<tr>
<td>03</td>
<td>.850  (21.6)</td>
<td>1.046 (26.6)</td>
<td>.843  (21.4)</td>
<td>.250 (6.4)</td>
<td>.375 (9.5)</td>
</tr>
<tr>
<td>04</td>
<td>.850  (21.6)</td>
<td>1.156 (29.4)</td>
<td>.968  (24.6)</td>
<td>.375 (9.5)</td>
<td>.500 (12.7)</td>
</tr>
<tr>
<td>10</td>
<td>.760  (19.3)</td>
<td>1.281 (32.5)</td>
<td>1.192 (30.3)</td>
<td>.375 (9.5)</td>
<td>.625 (15.9)</td>
</tr>
<tr>
<td>12</td>
<td>.760  (19.3)</td>
<td>1.500 (38.1)</td>
<td>1.380 (35.1)</td>
<td>.438 (11.1)</td>
<td>.750 (19.1)</td>
</tr>
<tr>
<td>16</td>
<td>1.073 (27.3)</td>
<td>1.719 (43.7)</td>
<td>1.535 (39.0)</td>
<td>.562 (14.3)</td>
<td>.938 (23.8)</td>
</tr>
<tr>
<td>20</td>
<td>1.323 (33.6)</td>
<td>2.062 (52.4)</td>
<td>1.848 (46.9)</td>
<td>.750 (19.1)</td>
<td>1.250 (31.8)</td>
</tr>
<tr>
<td>24</td>
<td>1.323 (33.6)</td>
<td>2.312 (58.7)</td>
<td>2.255 (57.3)</td>
<td>.875 (22.2)</td>
<td>1.375 (34.9)</td>
</tr>
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<td>28</td>
<td>1.572 (39.9)</td>
<td>2.719 (69.1)</td>
<td>2.505 (63.6)</td>
<td>1.125 (28.6)</td>
<td>1.625 (41.3)</td>
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</table>

**TABLE III: ELBOW DIMENSIONS**

<table>
<thead>
<tr>
<th>Shell Size</th>
<th>Conn. Desig.</th>
<th>E Max</th>
<th>F Max</th>
<th>G Max</th>
<th>H Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>09</td>
<td>.457  (11.6)</td>
<td>1.848 (46.9)</td>
<td>.500 (12.7)</td>
<td>1.858 (47.2)</td>
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<tr>
<td>10</td>
<td>11</td>
<td>.520  (13.2)</td>
<td>1.908 (48.5)</td>
<td>.595 (15.1)</td>
<td>1.978 (50.2)</td>
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<tr>
<td>12</td>
<td>13</td>
<td>.582  (14.8)</td>
<td>1.968 (50.0)</td>
<td>.610 (15.5)</td>
<td>1.998 (50.7)</td>
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<tr>
<td>14</td>
<td>15</td>
<td>.645  (16.4)</td>
<td>2.347 (59.6)</td>
<td>.700 (17.8)</td>
<td>2.357 (59.9)</td>
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<tr>
<td>16</td>
<td>17</td>
<td>.738  (18.7)</td>
<td>2.457 (62.4)</td>
<td>.885 (22.5)</td>
<td>2.447 (62.2)</td>
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<tr>
<td>18</td>
<td>19</td>
<td>.926  (23.5)</td>
<td>2.647 (67.2)</td>
<td>.975 (24.8)</td>
<td>2.617 (66.5)</td>
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<tr>
<td>20</td>
<td>21</td>
<td>.926  (23.5)</td>
<td>2.647 (67.2)</td>
<td>.975 (24.8)</td>
<td>2.617 (66.5)</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>1.020 (25.9)</td>
<td>2.922 (74.2)</td>
<td>1.125 (28.6)</td>
<td>2.852 (72.4)</td>
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<tr>
<td>24</td>
<td>25</td>
<td>1.020 (25.9)</td>
<td>2.922 (74.2)</td>
<td>1.125 (28.6)</td>
<td>2.852 (72.4)</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>1.145 (29.1)</td>
<td>2.972 (75.5)</td>
<td>1.225 (31.1)</td>
<td>3.022 (76.8)</td>
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<td>32</td>
<td>33</td>
<td>1.207 (30.7)</td>
<td>3.072 (78.0)</td>
<td>1.575 (40.0)</td>
<td>3.272 (83.1)</td>
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<td>36</td>
<td>37</td>
<td>1.238 (31.4)</td>
<td>3.162 (80.3)</td>
<td>1.775 (45.1)</td>
<td>3.272 (83.1)</td>
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</table>

**TABLE II: STANDARD FINISHES**

<table>
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<tr>
<th>GLENAIR SYMBOL</th>
<th>GLENAIR FINISH</th>
<th>FINISH</th>
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</thead>
<tbody>
<tr>
<td>B</td>
<td>Cadmium Plate, Olive Drab</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Electroless Nickel</td>
<td></td>
</tr>
<tr>
<td>NF</td>
<td>Cadmium Plate, Olive Drab Over Electroless Nickel</td>
<td></td>
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See Inside Back Cover for Additional Finish Options