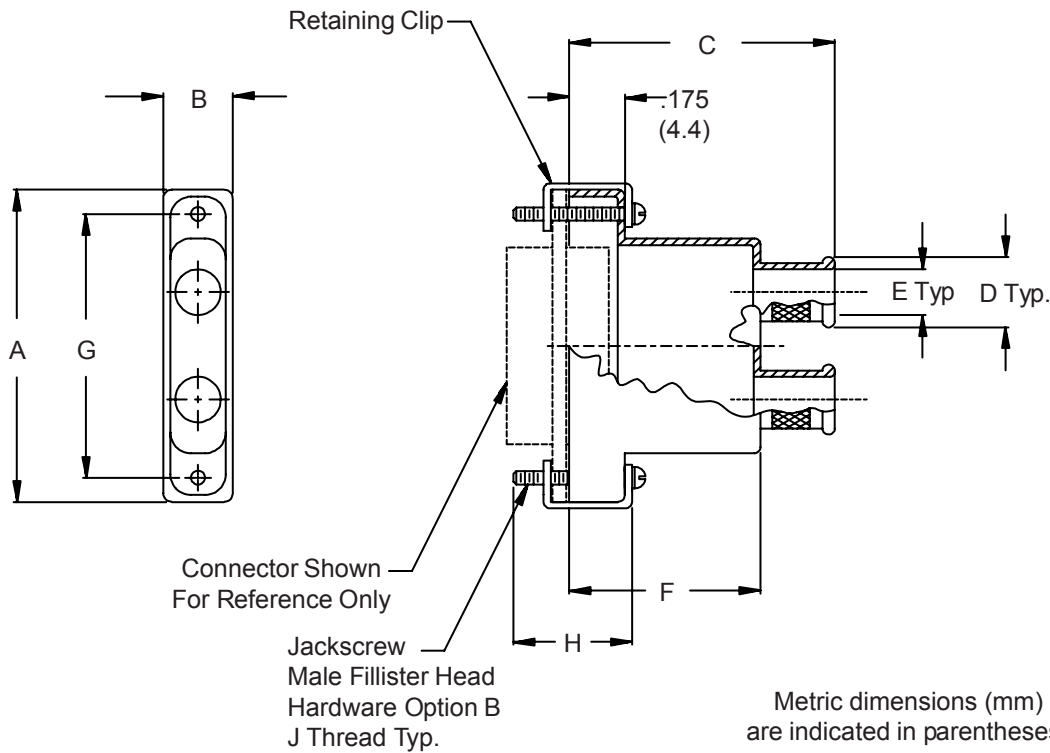


**507-142**  
**EMI/RFI Dual Entry**  
**Micro-D Banding Backshell**



**HOW TO ORDER**

| Series   | Basic Part Number | Shell Plating *   | Shell Size (Table I)  | Hardware Options *  | Band Option  |
|--|-------------------|---|---|---|--|
| 507  | 142               | <b>C</b> – Black Anodize<br><b>E</b> – Chem. Film<br><b>J</b> – Gold Iridite Over Cadmium Over Electroless Nickel<br><b>M</b> – Electroless Nickel<br><b>NF</b> – Cadmium, Olive Drab Over Electroless Nickel<br><b>Z2</b> – Gold | <b>21</b><br><b>25</b><br><b>31</b><br><b>37</b><br><b>51</b><br><b>100</b> | <b>B</b> – (2) male fillister head<br><b>E</b> – (2) extended jackscrew<br><b>H</b> – (2) male hex socket<br><b>F</b> – (2) female jackpost | <b>B</b><br><br>Two 600-052 Bands Supplied<br><br>(Omit if Not Required) |
| <b>Sample Part Number:</b>                     |                   |   |   |   |  |
| 507  | 142               | M   | 21  | B   | B  |
| <b>* SEE PAGE C-4 FOR COMPLETE INFORMATION</b> |                   |   |   |   |  |

**507-142**  
**EMI/RFI Dual Entry**  
**Micro-D Banding Backshell**

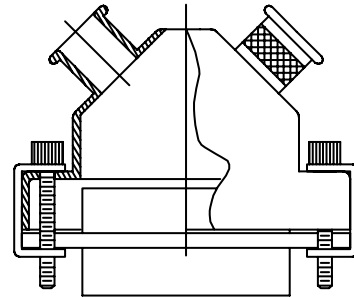


MIL-DTL-83513  
 Micro-D

**See Part Number 500D001**  
**(Page C-14) For Dual 45°**  
**Entry Backshells**

Dual entry backshells provide two cable entries for branched cable assemblies and daisy chain applications. These backshells are designed for use with Glenair's EMI banding system.

- **Two Cable Entries for Daisy Chain**
- **EMI Shielded**
- **One-Piece Machined Aluminum Construction**
- **Supplied with Mounting Hardware**



**TABLE I: DIMENSIONS**

| SHELL SIZE | A            | B          | C            | D Dia       | E Dia       |
|------------|--------------|------------|--------------|-------------|-------------|
| 21         | 1.075 (27.3) | .34 (8.6)  | 1.000 (25.4) | .281 (7.1)  | .125 (3.2)  |
| 25         | 1.175 (29.8) | .34 (8.6)  | 1.060 (26.9) | .344 (8.7)  | .188 (4.8)  |
| 31         | 1.325 (33.7) | .34 (8.6)  | 1.120 (28.4) | .406 (10.3) | .250 (6.4)  |
| 37         | 1.475 (37.5) | .34 (8.6)  | 1.160 (29.5) | .500 (12.7) | .344 (8.7)  |
| 51         | 1.425 (36.2) | .38 (9.7)  | 1.190 (30.2) | .469 (11.9) | .312 (7.9)  |
| 100        | 2.160 (54.9) | .43 (10.9) | 1.250 (31.8) | .688 (17.5) | .500 (12.7) |

| SHELL SIZE | F           | G            | H           | J THREAD   |
|------------|-------------|--------------|-------------|------------|
| 21         | .560 (14.2) | .865 (22.0)  | .438 (11.1) | 2-56 UNC-2 |
| 25         | .620 (15.7) | .965 (24.5)  | .438 (11.1) | 2-56 UNC-2 |
| 31         | .680 (17.3) | 1.115 (28.3) | .438 (11.1) | 2-56 UNC-2 |
| 37         | .720 (18.3) | 1.265 (32.1) | .438 (11.1) | 2-56 UNC-2 |
| 51         | .750 (19.1) | 1.215 (30.9) | .438 (11.1) | 2-56 UNC-2 |
| 100        | .810 (20.6) | 1.800 (45.7) | .469 (11.9) | 4-40 UNC-2 |

Metric dimensions (mm) are indicated in parentheses.