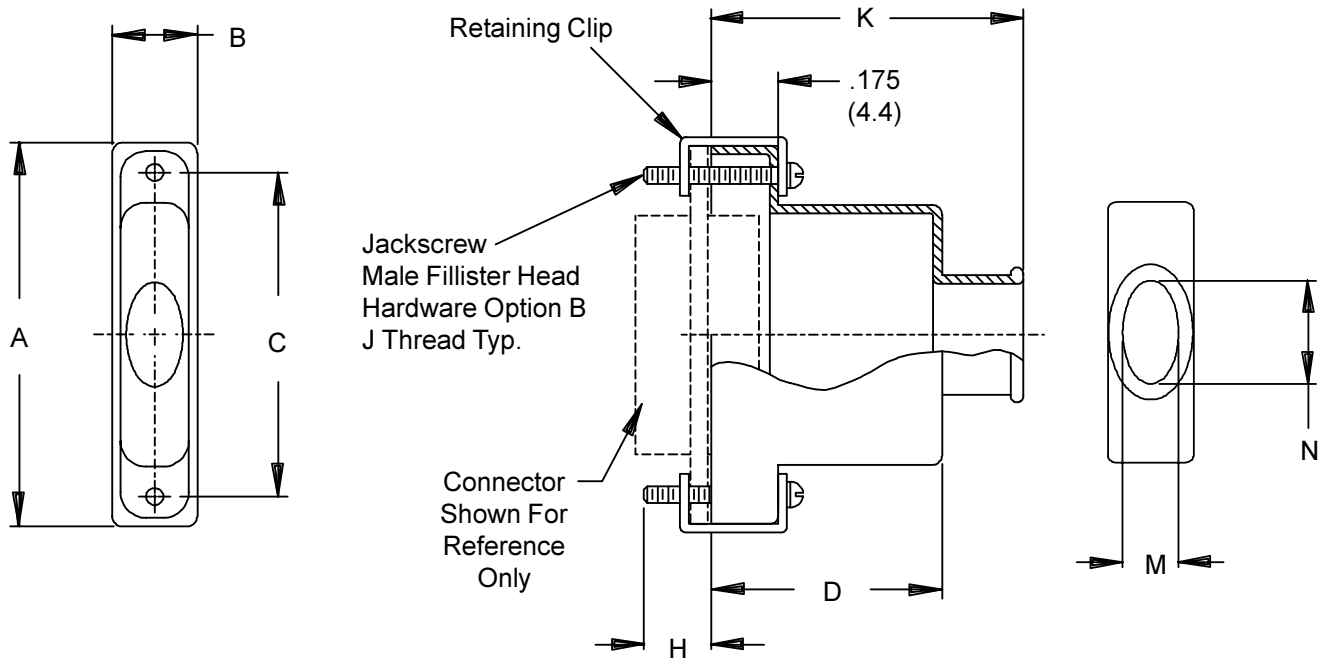


## Micro-D Backshells Elliptical Entry EMI Backshell



### HOW TO ORDER

| Series                                  | Basic Part Number | Shell Plating *                                                                                                                                                                                                                   | Shell Size (Table I)                                                                                  | Band Option                                              | Hardware Options *                                                                                                                          |
|-----------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 507                                     | 081               | <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>09</b><br><b>15</b><br><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><br>600-052 Band Supplied (Omit if Not Required) | <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>Sample Part Number:</b>              |                   |                                                                                                                                                                                                                                   |                                                                                                       |                                                          |                                                                                                                                             |
| 507                                     | — 081             | M                                                                                                                                                                                                                                 | 21                                                                                                    | B                                                        | H                                                                                                                                           |
| * SEE PAGE C-2 FOR COMPLETE INFORMATION |                   |                                                                                                                                                                                                                                   |                                                                                                       |                                                          |                                                                                                                                             |

# Micro-D Backshells

## Elliptical Entry EMI Backshell



MIL-PRF-83513  
Micro-D

Elliptical entry Micro-D backshells offer greater wire accommodation than round entry backshells. These rugged aluminum backshells are designed for use with Glenair's EMI bands for shield termination.

- **Elliptical Entry for Increased Wire Bundle Size**
- **Aluminum Alloy**
- **Supplied with Mounting Hardware**

**TABLE I - DIMENSIONS**

| SHELL SIZE | A            | B          | C            | D          | H          |
|------------|--------------|------------|--------------|------------|------------|
| 09         | .775 (19.7)  | .34 (8.6)  | .565 (14.4)  | .32 (8.1)  | .154 (3.9) |
| 15         | .925 (23.5)  | .34 (8.6)  | .715 (18.2)  | .44 (11.2) | .154 (3.9) |
| 21         | 1.075 (27.3) | .34 (8.6)  | .865 (22.0)  | .56 (14.2) | .154 (3.9) |
| 25         | 1.175 (29.8) | .34 (8.6)  | .965 (24.5)  | .62 (15.7) | .154 (3.9) |
| 31         | 1.325 (33.7) | .34 (8.6)  | 1.115 (28.3) | .68 (17.3) | .154 (3.9) |
| 37         | 1.475 (37.5) | .34 (8.6)  | 1.265 (32.1) | .72 (18.3) | .154 (3.9) |
| 51         | 1.425 (36.2) | .38 (9.7)  | 1.215 (30.9) | .75 (19.1) | .154 (3.9) |
| 100        | 2.160 (54.9) | .43 (10.9) | 1.800 (45.7) | .81 (20.6) | .194 (4.9) |

| SHELL SIZE | J THREAD   | K<br>± .03<br>(0.8) | M          | N           |
|------------|------------|---------------------|------------|-------------|
| 09         | 2-56 UNC-2 | .75 (19.1)          | .156 (4.0) | .320 (8.1)  |
| 15         | 2-56 UNC-2 | .88 (22.4)          | .188 (4.8) | .384 (9.8)  |
| 21         | 2-56 UNC-2 | 1.00 (25.4)         | .219 (5.6) | .448 (11.4) |
| 25         | 2-56 UNC-2 | 1.06 (26.9)         | .250 (6.4) | .508 (12.9) |
| 31         | 2-56 UNC-2 | 1.12 (28.4)         | .265 (6.7) | .542 (13.8) |
| 37         | 2-56 UNC-2 | 1.16 (29.5)         | .281 (7.1) | .572 (14.5) |
| 51         | 2-56 UNC-2 | 1.19 (30.2)         | .312 (7.9) | .638 (16.2) |
| 100        | 4-40 UNC-2 | 1.25 (31.8)         | .375 (9.5) | .766 (19.5) |

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