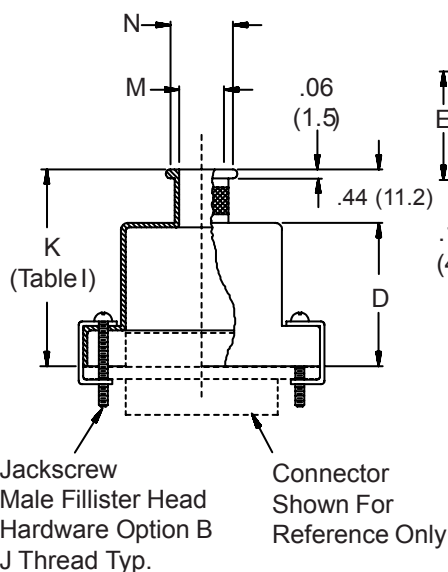
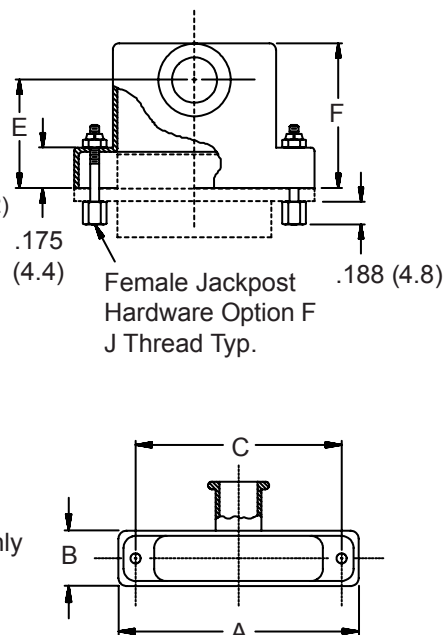


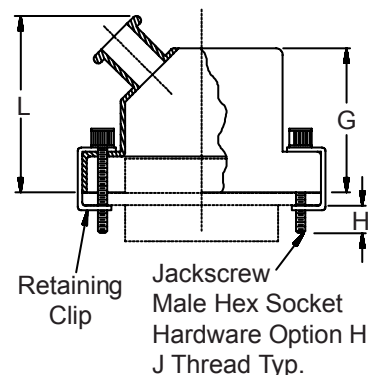
### STYLE T - TOP ENTRY



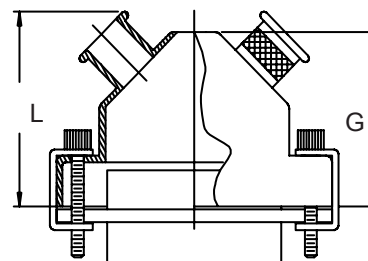
### STYLE S - SIDE ENTRY



### STYLE E - 45° ENTRY

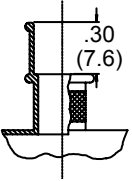


### STYLE D - DUAL 45° ENTRY



**Note:** It is easy to exceed the maximum allowable wire bundle diameter for the cable entry on these miniaturized backshells. Please see the table on C-3 for assistance, or chose an elliptical backshell entry design instead.

### HOW TO ORDER

| Series                                  | Cable Entry Style                              | Basic Part Number | Shell Plating *                                                                                                                                                                         | Shell Size (Table I)                          | Hardware Options *                                                                                              | Cable Entry (Table II)                             | Qwik-Ty Option                                                                                                        | Band Option                                           |
|-----------------------------------------|------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 500                                     | T - Top<br>S - Side<br>E - 45°<br>D - Dual 45° | 010               | C - Black Anodize<br>E - Chem. Film<br>J - Gold Iridite Over Cadmium Over Electroless Nickel<br>M - Electroless Nickel<br>NF - Cadmium, Olive Drab Over Electroless Nickel<br>Z2 - Gold | 09<br>15<br>21<br>25<br>31<br>37<br>51<br>100 | B - (2) male fillister head<br>E - (2) extended jackscrew<br>H - (2) male hex socket<br>F - (2) female jackpost | 04<br>05<br>06<br>07<br>08<br>09<br>10<br>11<br>12 | S<br><br>(Omit for Standard)<br> | B<br><br>600-052 Band Supplied (Omit if Not Required) |
| <b>Sample Part Number:</b>              |                                                |                   |                                                                                                                                                                                         |                                               |                                                                                                                 |                                                    |                                                                                                                       |                                                       |
| 500                                     | T                                              | 010               | M                                                                                                                                                                                       | 21                                            | B                                                                                                               | 06                                                 | S                                                                                                                     | B                                                     |
| * SEE PAGE C-4 FOR COMPLETE INFORMATION |                                                |                   |                                                                                                                                                                                         |                                               |                                                                                                                 |                                                    |                                                                                                                       |                                                       |

Metric dimensions (mm) are indicated in parentheses.

# 500-010 Standard Micro-D EMI/RFI Backshell



MIL-DTL-83513  
Micro-D

Series 500-010 EMI Backshells are intended for use on all standard metal shell Micro-D connectors conforming to MIL-DTL-83513. Shield termination is fast and reliable using EMI bands and banding tools, ordered separately.

**TABLE I: DIMENSIONS**

| SHELL SIZE | A            | B          | C            | D          | E           | F           |
|------------|--------------|------------|--------------|------------|-------------|-------------|
| 09         | .775 (19.7)  | .36 (9.1)  | .565 (14.4)  | .32 (8.1)  | .435 (11.0) | .607 (15.4) |
| 15         | .925 (23.5)  | .36 (9.1)  | .715 (18.2)  | .44 (11.2) | .440 (11.2) | .643 (16.3) |
| 21         | 1.075 (27.3) | .36 (9.1)  | .865 (22.0)  | .56 (14.2) | .458 (11.6) | .677 (17.2) |
| 25         | 1.175 (29.8) | .36 (9.1)  | .965 (24.5)  | .62 (15.7) | .483 (12.3) | .718 (18.2) |
| 31         | 1.325 (33.7) | .36 (9.1)  | 1.115 (28.3) | .68 (17.3) | .476 (12.1) | .726 (18.4) |
| 37         | 1.475 (37.5) | .36 (9.1)  | 1.265 (32.1) | .72 (18.3) | .478 (12.2) | .744 (18.9) |
| 51         | 1.425 (36.2) | .40 (10.2) | 1.215 (30.9) | .75 (19.1) | .548 (13.9) | .829 (21.1) |
| 100        | 2.160 (54.9) | .45 (11.4) | 1.800 (45.7) | .81 (20.6) | .687 (17.4) | .984 (25.0) |

| SHELL SIZE | G            | H REF      | J THREAD   | K ±.03 (0.8) | L MAX       |
|------------|--------------|------------|------------|--------------|-------------|
| 09         | .650 (16.5)  | .154 (3.9) | 2-56 UNC-2 | .75 (19.1)   | 1.00 (25.4) |
| 15         | .700 (17.8)  | .154 (3.9) | 2-56 UNC-2 | .88 (22.4)   | 1.03 (26.2) |
| 21         | .735 (18.7)  | .154 (3.9) | 2-56 UNC-2 | 1.00 (25.4)  | 1.05 (26.7) |
| 25         | .800 (20.3)  | .154 (3.9) | 2-56 UNC-2 | 1.06 (26.9)  | 1.09 (27.7) |
| 31         | .860 (21.8)  | .154 (3.9) | 2-56 UNC-2 | 1.12 (28.4)  | 1.13 (28.7) |
| 37         | .925 (23.5)  | .154 (3.9) | 2-56 UNC-2 | 1.16 (29.5)  | 1.23 (31.3) |
| 51         | .975 (24.8)  | .154 (3.9) | 2-56 UNC-2 | 1.19 (30.2)  | 1.25 (31.8) |
| 100        | 1.050 (26.7) | .184 (4.7) | 4-40 UNC-2 | 1.25 (31.8)  | 1.32 (33.5) |

**TABLE II: CABLE ENTRY**

| Cable Entry | Shell Size  | M Entry Dia | N Dia       |
|-------------|-------------|-------------|-------------|
| 04          | 09 THRU 100 | .125 (3.2)  | .281 (7.1)  |
| 05          | 09 THRU 100 | .156 (4.0)  | .312 (7.9)  |
| 06          | 09 THRU 100 | .188 (4.8)  | .344 (8.7)  |
| 07          | 09 THRU 100 | .219 (5.6)  | .375 (9.5)  |
| 08          | 09 THRU 100 | .250 (6.4)  | .406 (10.3) |
| 09          | 31 THRU 100 | .281 (7.1)  | .437 (11.1) |
| 10          | 51 THRU 100 | .312 (7.9)  | .469 (11.9) |
| 11          | 100 ONLY    | .344 (8.7)  | .500 (12.7) |
| 12          | 100 ONLY    | .375 (9.5)  | .531 (13.5) |

Metric dimensions  
(mm) are indicated in  
parentheses.