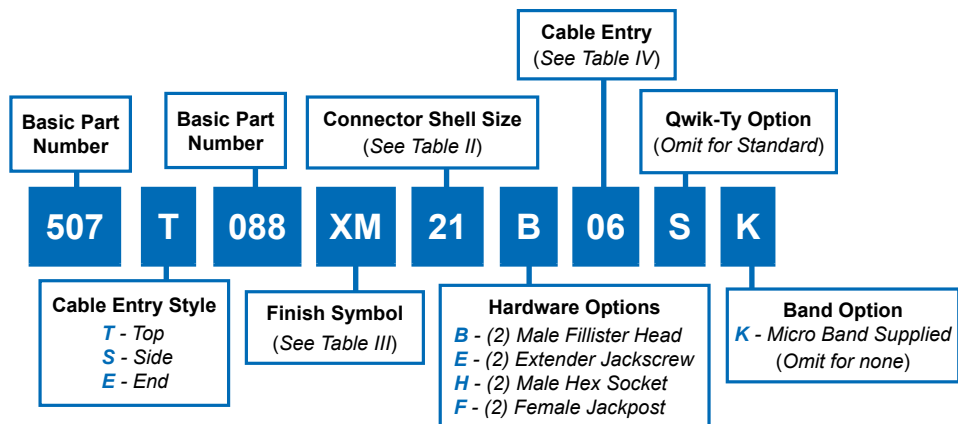


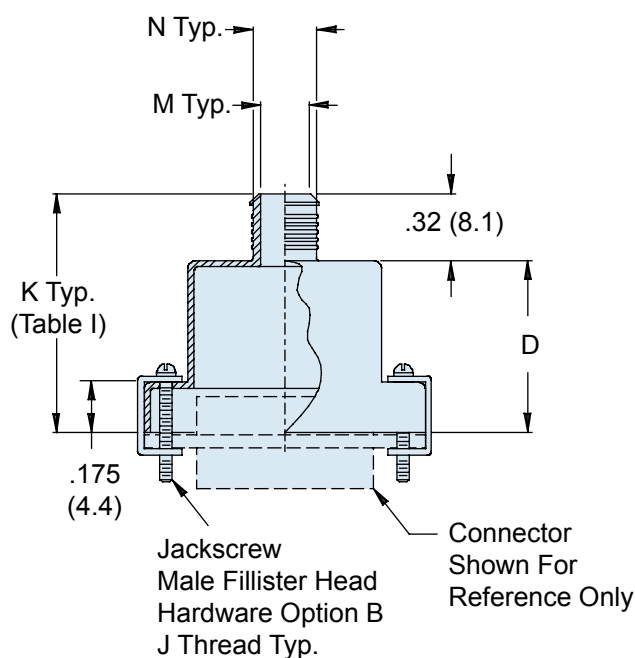
# 507-088

## Composite RFI/EMI Banding Backshell for MIL-DTL-83513 Micro-D Connectors

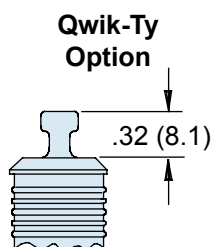
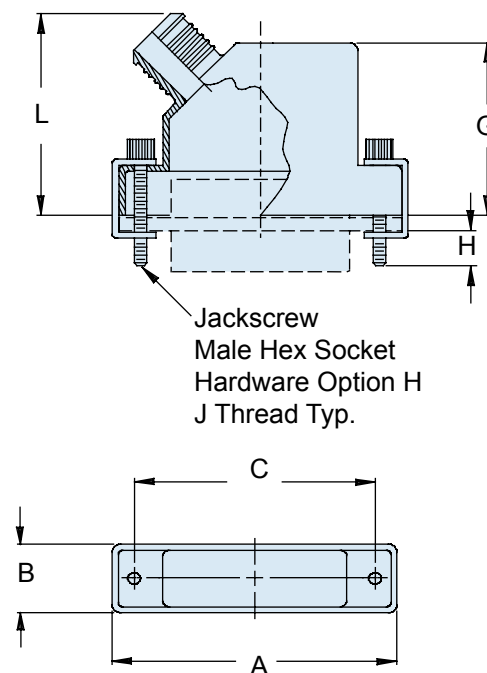
A



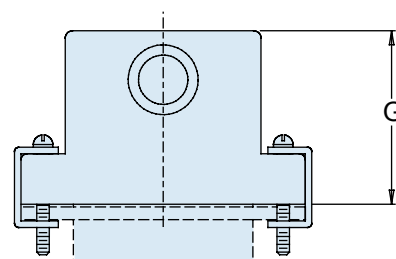
### STYLE T - TOP ENTRY



### STYLE E - 45° ENTRY



### STYLE S SIDE ENTRY



**507-088**  
**Composite RFI/EMI Banding Backshell**  
**for MIL-DTL-83513 Micro-D Connectors**



**TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER**

| SHELL SIZE | A            | B          | C            | D          | G            |
|------------|--------------|------------|--------------|------------|--------------|
| 09         | .775 (19.7)  | .36 (9.1)  | .565 (14.4)  | .43 (10.9) | .650 (16.5)  |
| 15         | .925 (23.5)  | .36 (9.1)  | .715 (18.2)  | .44 (11.2) | .700 (17.8)  |
| 21         | 1.075 (27.3) | .36 (9.1)  | .865 (22.0)  | .56 (14.2) | .735 (18.7)  |
| 25         | 1.175 (29.8) | .36 (9.1)  | .965 (24.5)  | .62 (15.7) | .800 (20.3)  |
| 31         | 1.325 (33.7) | .36 (9.1)  | 1.115 (28.3) | .68 (17.3) | .860 (21.8)  |
| 37         | 1.475 (37.5) | .36 (9.1)  | 1.265 (32.1) | .72 (18.3) | .925 (23.5)  |
| 51         | 1.425 (36.2) | .40 (10.2) | 1.215 (30.9) | .75 (19.1) | .975 (24.8)  |
| 100        | 2.160 (54.9) | .45 (11.4) | 1.800 (45.7) | .81 (20.6) | 1.050 (26.7) |

| SHELL SIZE | H          | J THREAD   | K<br>±.03<br>(0.8) | L<br>MAX    |
|------------|------------|------------|--------------------|-------------|
| 09         | .154 (3.9) | 2-56 UNC-2 | .75 (19.1)         | 1.00 (25.4) |
| 15         | .154 (3.9) | 2-56 UNC-2 | .76 (19.3)         | 1.03 (26.2) |
| 21         | .154 (3.9) | 2-56 UNC-2 | .88 (22.4)         | 1.05 (26.7) |
| 25         | .154 (3.9) | 2-56 UNC-2 | .94 (23.9)         | 1.09 (27.7) |
| 31         | .154 (3.9) | 2-56 UNC-2 | 1.00 (25.4)        | 1.13 (28.7) |
| 37         | .154 (3.9) | 2-56 UNC-2 | 1.04 (26.4)        | 1.16 (29.5) |
| 51         | .154 (3.9) | 2-56 UNC-2 | 1.07 (27.2)        | 1.25 (31.8) |
| 100        | .194 (4.9) | 4-40 UNC-2 | 1.13 (28.7)        | 1.32 (33.5) |

**TABLE III: FINISH**

| Symbol | Finish Description                                                                  |
|--------|-------------------------------------------------------------------------------------|
| XM     | 2000 Hour Corrosion Resistant Electroless Nickel                                    |
| XMT    | 2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey™ |
| XW     | 2000 Hour Corrosion Resistant Cadmium/Olive Drab over Electroless Nickel            |

**TABLE IV: CABLE ENTRY**

| Entry Code | Shell Size  | M Entry Dia | N Dia       |
|------------|-------------|-------------|-------------|
| 04         | 09 THRU 100 | .125 (3.2)  | .219 (5.6)  |
| 05         | 09 THRU 100 | .156 (4.0)  | .250 (6.4)  |
| 06         | 09 THRU 100 | .188 (4.8)  | .281 (7.1)  |
| 07         | 09 THRU 100 | .219 (5.6)  | .313 (8.0)  |
| 08         | 09 THRU 100 | .250 (6.4)  | .344 (8.7)  |
| 09         | 31 THRU 100 | .281 (7.1)  | .375 (9.5)  |
| 10         | 51 THRU 100 | .312 (7.9)  | .406 (10.3) |
| 11         | 100 ONLY    | .344 (8.7)  | .438 (11.1) |
| 12         | 100 ONLY    | .375 (9.5)  | .469 (11.9) |

**APPLICATION NOTES**

1. Metric dimensions (mm) are in parentheses and are for reference only.
2. These composite backshells meet the requirements of SAE AIR 4567 and AS85049.
3. See Table I in Intro for front-end dimensional details.