

## Standard Materials and Finishes



The following are Glenair's standard finishes. Individual product pages within this catalog list their most common finishes. Additional finishes are listed within the table below.

**TABLE II - STANDARD FINISHES**

| GLENAIR M85049 SYMBOL |                | FINISH                                                   | SPECIFICATION(S)                                                                           |
|-----------------------|----------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| SYMBOL                | REFERENCE ONLY |                                                          |                                                                                            |
| B                     |                | Cadmium Plate, Olive Drab                                | AMS-QQ-P-416, Type II, Class 3                                                             |
| C*                    | A              | Anodize, Black                                           | AMS-A-8625, Type II, Class 2                                                               |
| G*                    |                | Hard Coat, Anodic                                        | AMS-A-8625, Type III, Class 1                                                              |
| J                     |                | Iridite, Gold Over Cadmium Plate Over Electroless Nickel | MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 over AMS-C-26074, Class 3 or 4, Grade B |
| LF                    |                | Cadmium Plate, Bright Over Electroless Nickel            | 1000 Hour Corrosion Resistance                                                             |
| M                     | N              | Electroless Nickel                                       | AMS-C-26074, Class 4, Grade B; & ASTM B733-90, SC2, Type 1, Class 4                        |
| N                     |                | Cadmium Plate, Olive Drab Over Electroless Nickel        | AMS-QQ-P-416, Type II, Class 3 over Electroless Nickel<br>AMS-C-26074                      |
| NC                    |                | Zinc Cobalt, Dark Olive Drab                             | 96 Hour Corrosion Resistance                                                               |
| NF                    | W              | Cadmium Plate, Olive Drab Over Electroless Nickel        | 1000 Hour Corrosion Resistance                                                             |
| T                     |                | Cadmium Plate, Bright Over Electroless Nickel            | AMS-QQ-P-416, Type II, Class 3 over Electroless Nickel, AMS-C-26074, Class 3 or 4, Grade B |
| U**                   |                | Cadmium Plate, Black                                     | AMS-QQ-P-416, Type II, Class 3                                                             |
| ZN                    |                | Zinc-Nickel Alloy, Olive Drab                            | ASTMB 841-91, Over Electroless Nickel<br>1000 Hour Salt Spray                              |

\* Anodize finish; not suitable for EMI Shielding or grounding applications.  
 \*\* Applicable to corrosion resisting steel backshells and accessories. Consult factory for other available finishes.

**STANDARD MATERIALS - BACKSHELLS AND ACCESSORIES**

| COMPONENT                                                                                                                                                                                                        | MATERIAL                     | SPECIFICATION                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------|
| Machined components: such as backshell bodies, fabricated elbows, protective covers, rotatable couplers, dummy stowage receptacles, lock nuts, G-spring support rings, EMI ground rings, grommet followers, etc. | Aluminum                     | AMS-QQ-A-200<br>ASTMB221, 209         |
| Die cast components: such as angular backshells, strain relief backshells, strain relief bodies, strain relief saddles, special EMI ground rings, etc.                                                           | Aluminum                     | QQ-A-591<br>ASTMB85, 26               |
| Backshells or strain reliefs: available in optional corrosion resisting steel; and hardware: such as screws, washers, rivets, wire rope, sash chain, band straps, etc.                                           | Corrosion Resisting Steel    | ASTMA582 (300 Series)<br>AMS-QQ-S-763 |
| Elastomeric seals: such as O-rings, cable jacket seals, grommets, etc.                                                                                                                                           | Silicone                     | ZZ-R-765, MIL-R-25988                 |
| Anti-friction and thrust washers                                                                                                                                                                                 | Teflon                       | TFE                                   |
| Anti-rotation device                                                                                                                                                                                             | Corrosion Resistant Material | N/A                                   |

### NOTES

Unless otherwise specified, the following dimensional tolerances will apply:

.xx =  $\pm .03$  (0.8)  
 .xxx =  $\pm .015$  (0.4)  
 Lengths =  $\pm .060$  (1.52)  
 Angles =  $\pm 5^\circ$

Metric dimensions (mm) are indicated in parentheses

# 557-107 D-Subminiature Light-Weight Solid Banding Backshell

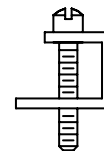


MIL-DTL-24308  
D-Subminiature

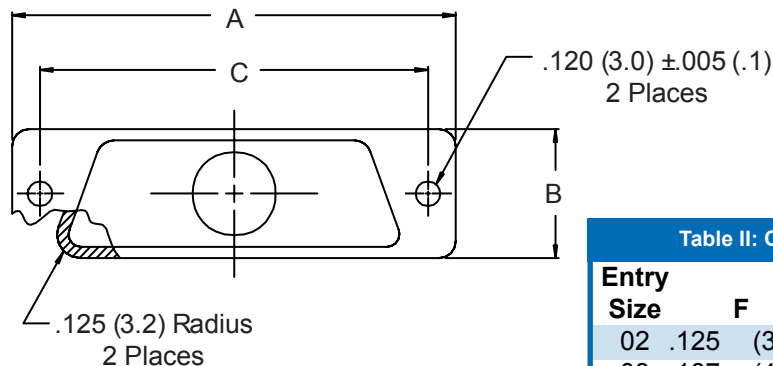
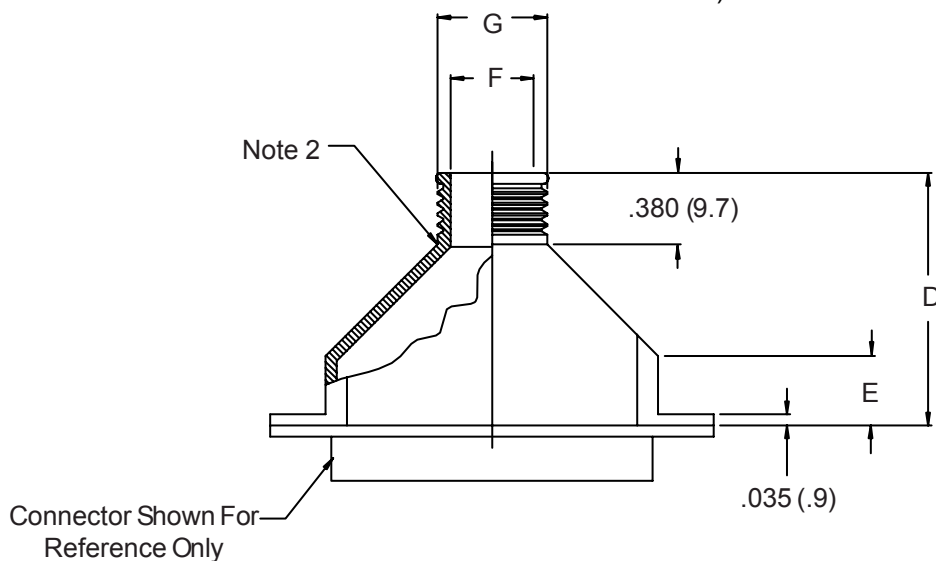
**557-107 M 2-03 C B**

Basic Part No. \_\_\_\_\_  
 Finish Symbol (Page 3) \_\_\_\_\_  
 Shell Size (Table I) \_\_\_\_\_  
 Cable Entry (Table II) \_\_\_\_\_

B = Band Supplied (600-052),  
Omit for None  
 C = Supplied with Retainer  
Clips and Jackscrews (Omit  
for None)



**"C" Retainer  
Clip Option**



**Table I: Shell Size & Connector Interface Dimensions**

| Shell Size | A            | B           | C<br>±.005 (.1) |
|------------|--------------|-------------|-----------------|
| 1*         | 1.203 (30.6) | .500 (12.7) | .984 (25.0)     |
| 2*         | 1.531 (38.9) | .500 (12.7) | 1.312 (33.3)    |
| 3*         | 2.078 (52.8) | .500 (12.7) | 1.852 (47.0)    |
| 4*         | 2.718 (69.0) | .500 (12.7) | 2.500 (63.5)    |
| 5          | 2.625 (66.7) | .609 (15.5) | 2.406 (61.1)    |
| 6          | 2.718 (69.0) | .668 (17.0) | 2.500 (63.5)    |

**Table II: Cable Entry**

| Entry Size | F           | G           |
|------------|-------------|-------------|
| 02         | .125 (3.2)  | .205 (5.2)  |
| 03         | .187 (4.7)  | .267 (6.8)  |
| 04         | .250 (6.4)  | .330 (8.4)  |
| 05         | .312 (7.9)  | .392 (10.0) |
| 06         | .375 (9.5)  | .455 (11.6) |
| 07         | .437 (11.1) | .517 (13.1) |
| 08         | .500 (12.7) | .580 (14.7) |
| 09         | .529 (13.4) | .609 (15.5) |
| 10         | .290 (7.4)  | .370 (9.4)  |
| 11         | .595 (15.1) | .675 (17.2) |
| 12         | .270 (6.9)  | .350 (8.9)  |

\* Maximum Entry Size (Table II) is 06

1. Metric dimensions (mm) are indicated in parentheses.
2. End Fitting may be brazed on per MIL-B-7883B, Type V, Grade B