# EMI/RFI Micro-D Banding Backshell and Round Cable Entry

## 500-010

***Glenair's Most Popular Micro-D Backshell*** is stocked in all sizes. Choose straight, side or 45° cable entry.

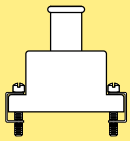
***Rugged One-Piece Aluminum shell*** with stainless steel hardware, available in standard nickel plating, or choose optional finishes.

***17-7PH Stainless Steel Clips*** attach the backshell to the connector. These backshells accept standard and micro ***BAND-IT***® shield termination straps.

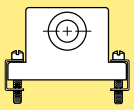
## HOW TO ORDER 500-010 EMI BACKSHELLS

### Series

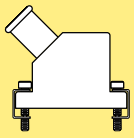
**Top Entry**
**500T010**



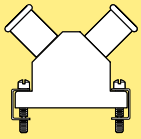
**Side Entry**
**500S010**



**45° Entry**
**500E010**



**Dual 45°**
**500D010**



### Shell Finish

- **E** – Chem Film (Alodyne)
- **J** – Cadmium, Yellow Chromate
- **M** – Electroless Nickel
- **NF** – Cadmium, Olive Drab
- **Z2** – Gold

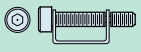
### Connector Size

**09**
**15**
**21**
**25**
**31**
**37**
**51**
**51-2**
**67**
**69**
**100**

### Hardware Option

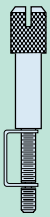
- **B** – Fillister Head Jackscrew

- **H** – Hex Head Jackscrew

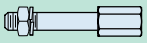


- **E** – Extended Jackscrew

(Not for 45° Entry)



- **F** – Jackpost, Female



### Cable Entry Code

- **04** – .125 (3.2)
- **05** – .156 (4.0)
- **06** – .188 (4.8)
- **07** – .219 (5.6)
- **08** – .250 (6.4)
- **09** – .281 (7.1)
- **10** – .312 (7.9)
- **11** – .344 (8.7)
- **12** – .375 (9.5)

**Maximum Cable Entry Code**

| Size | T Top Entry | E 45° Entry | S Side Entry | D Dual 45° |
|---|---|---|---|---|
| 09 | 08 | 08 | 09 | 06 |
| 15 | 08 | 08 | 12 | 08 |
| 21 | 08 | 08 | 12 | 08 |
| 25 | 08 | 08 | 12 | 08 |
| 31 | 09 | 09 | 12 | 09 |
| 37 | 09 | 09 | 12 | 09 |
| 51 | 10 | 10 | 12 | 10 |
| 51-2 | 09 | 09 | 12 | 09 |
| 67 | 09 | 09 | 12 | 09 |
| 69 | 10 | 10 | 12 | 10 |
| 100 | 12 | 12 | 12 | 12 |

### EMI Band Strap Option

**Omit** (Leave Blank)
Band Not Included

Use the following codes if you want the band strap included with the connector. For best availability, order band separately.

**Standard Band**
.250" Wide

- **B** – Uncoiled Band Included
- **K** – Coiled Band Included

**Micro Band**
.125" Wide

- **M** – Uncoiled Band Included
- **L** – Coiled Band Included

### *Sample Part Number*

| 500T010 | M | 25 | H | 08 | |
|---|---|---|---|---|---|

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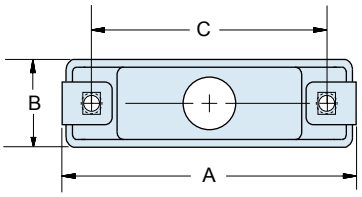
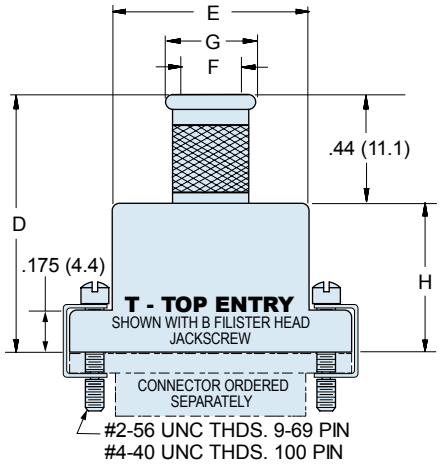
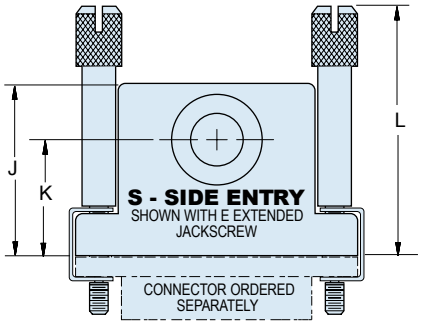
# EMI/RFI Micro-D Banding Backshell and Round Cable Entry
## 500-010

## MATERIALS (SEE ORDERING INFO FOR FINISH OPTIONS)

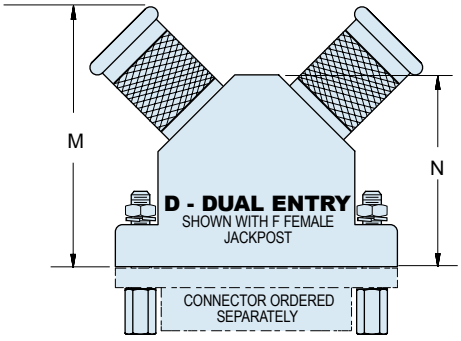
| | |
|---|---|
| Shell | Aluminum Alloy 6061 -T6 Per QQ-A-200, QQ-A-225 (Machined Components)<br>Aluminum Alloy 6061-T6 Per QQ-A-591 (A380) (Die-Cast Components) |
| Clips, E-Rings | 17-7PH Stainless Steel |
| Jackscrews, Washers, Jackposts | 300 Series Stainless Steel, Passivated |

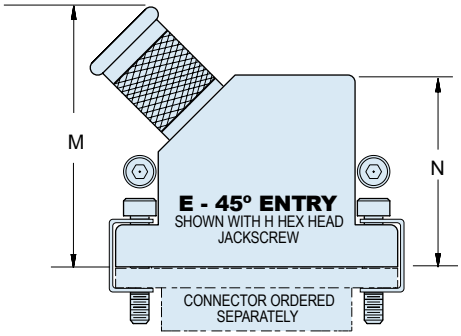



| Cable Entry Code | F In. ± .010 | F mm. ± 0.25 | G In. | G mm. |
|---|---|---|---|---|
| 04 | .125 | 3.18 | .281 | 7.14 |
| 05 | .156 | 3.96 | .312 | 7.92 |
| 06 | .188 | 4.78 | .344 | 8.74 |
| 07 | .219 | 5.56 | .375 | 9.53 |
| 08 | .250 | 6.35 | .406 | 10.31 |
| 09 | .281 | 7.14 | .437 | 11.10 |
| 10 | .312 | 7.92 | .469 | 11.91 |
| 11 | .344 | 8.74 | .500 | 12.70 |
| 12 | .375 | 9.53 | .531 | 13.49 |




## DIMENSIONS

| Size | A Max. In. | A Max. mm. | B Max. In. | B Max. mm. | C In. | C mm. | D Max. In. | D Max. mm. | E Max. In. | E Max. mm. | H Max. In. | H Max. mm. | J Max. In. | J Max. mm. | K In. | K mm. | L Max. In. | L Max. mm. | M Max. In. | M Max. mm. | N Max. In. | N Max. mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | .850 | 21.59 | .370 | 9.40 | .565 | 14.35 | .780 | 19.81 | .410 | 10.41 | .350 | 8.89 | .637 | 16.18 | .435 | 11.05 | 1.040 | 26.42 | 1.000 | 25.40 | .680 | 17.27 |
| 15 | 1.000 | 25.40 | .370 | 9.40 | .715 | 18.16 | .910 | 23.11 | .580 | 14.73 | .470 | 11.94 | .673 | 17.09 | .440 | 11.2 | 1.170 | 29.72 | 1.030 | 26.16 | .730 | 18.54 |
| 21 | 1.150 | 29.21 | .370 | 9.40 | .865 | 21.97 | 1.030 | 26.16 | .740 | 18.80 | .590 | 14.99 | .707 | 17.95 | .458 | 11.63 | 1.290 | 32.77 | 1.050 | 26.67 | .765 | 19.43 |
| 25 | 1.250 | 31.75 | .370 | 9.40 | .965 | 24.51 | 1.090 | 27.69 | .850 | 21.59 | .650 | 16.51 | .748 | 19.00 | .483 | 12.27 | 1.350 | 34.29 | 1.090 | 27.69 | .830 | 21.08 |
| 31 | 1.400 | 35.56 | .370 | 9.40 | 1.115 | 28.32 | 1.150 | 29.21 | .980 | 24.89 | .710 | 18.03 | .756 | 19.20 | .476 | 12.09 | 1.420 | 36.07 | 1.130 | 28.70 | .890 | 22.61 |
| 37 | 1.550 | 39.37 | .370 | 9.40 | 1.265 | 32.13 | 1.190 | 30.23 | 1.130 | 28.70 | .750 | 19.05 | .774 | 19.66 | .478 | 12.14 | 1.450 | 36.83 | 1.230 | 31.24 | .955 | 24.26 |
| 51 | 1.500 | 38.10 | .410 | 10.41 | 1.215 | 30.86 | 1.220 | 30.99 | 1.080 | 27.43 | .780 | 19.81 | .859 | 21.82 | .548 | 13.91 | 1.480 | 37.59 | 1.250 | 31.75 | 1.005 | 25.53 |
| 51-2 | 1.910 | 48.51 | .370 | 9.40 | 1.615 | 41.02 | 1.220 | 30.99 | 1.510 | 38.35 | .780 | 19.81 | .859 | 21.82 | .548 | 13.91 | 1.480 | 37.59 | 1.250 | 31.75 | 1.005 | 25.53 |
| 67 | 2.310 | 58.67 | .370 | 9.40 | 2.015 | 51.18 | 1.220 | 30.99 | 1.880 | 47.75 | .780 | 19.81 | .859 | 21.82 | .548 | 13.91 | 1.480 | 37.59 | 1.250 | 31.75 | 1.005 | 25.53 |
| 69 | 1.810 | 45.97 | .410 | 10.41 | 1.515 | 38.48 | 1.220 | 30.99 | 1.380 | 35.05 | .780 | 19.81 | .859 | 21.82 | .548 | 13.91 | 1.480 | 37.59 | 1.250 | 31.75 | 1.005 | 25.53 |
| 100 | 2.235 | 56.77 | .460 | 11.68 | 1.800 | 45.72 | 1.280 | 32.51 | 1.470 | 37.34 | .840 | 21.34 | 1.014 | 25.76 | .687 | 17.45 | 1.580 | 40.13 | 1.320 | 33.53 | 1.080 | 27.43 |



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