

# 507-178 EMI/RFI Micro-D Split Banding Backshell with Elliptical Banding Porch



**Split Backshell With Elliptical Cable Entry** provides added room for larger wire bundles. Terminate cable shields with BandMaster™ ATS microbands. This backshell features floating male screwlocks which allow full mating of the connector before the screws are fastened.

**Rugged Aluminum** housing with stainless steel hardware, available in standard nickel plating, or choose optional finishes.

| How To Order EMI/RFI Split Shell Backshells |                                                                                                                                                                                                                                                                                                                    |   |    |    |   |   |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|---|---|
| Sample Part Number                          | 507-178                                                                                                                                                                                                                                                                                                            | M | 25 | 06 | K | F |
| Series                                      | 507-178                                                                                                                                                                                                                                                                                                            |   |    |    |   |   |
| Shell Finish                                | <b>E</b> – Chem Film (Alodyne) <b>J</b> – Cadmium, Yellow Chromate<br><b>M</b> – Electroless Nickel <b>NF</b> – Cadmium, Olive Drab<br><b>Z2</b> – Gold                                                                                                                                                            |   |    |    |   |   |
| Connector Size                              | 09, 15, 21, 25, 31, 37, 51, 51-2, 67, 69, 100 (See Table I)                                                                                                                                                                                                                                                        |   |    |    |   |   |
| Cable Entry Code                            | 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 (See Table II)                                                                                                                                                                                                                                                  |   |    |    |   |   |
| EMI Band Strap Option                       | <b>OMIT</b> (Leave Blank) - Band Strap Not Supplied<br><b>B</b> - Microband Supplied (600-057)<br><b>K</b> - Coiled Microband Supplied (600-057-1)                                                                                                                                                                 |   |    |    |   |   |
| Hardware Option                             | <b>E</b> - Extended Screwlock <b>F</b> - Jackpost, Female <b>H</b> - Hex Head Screwlock<br><b>FE</b> - Extended Female Jackpost <b>FF</b> - Fixed Female Jackpost <b>J</b> - Fillister Head Jackscrew<br><b>HJ</b> - Hex Head Jackscrew <b>EJ</b> - Extended Jackscrew      OMIT for standard knurl head screwlock |   |    |    |   |   |

## Notes

1. Assembly Identified with manufacturer's name and P/N space permitting.
2. Use Glenair 600-057 band and 600-061 tool.
3. Screwlocks: screws float to allow connector to engage completely before tightening.  
Jackscrews: screws must be tightened simultaneous with connector engagement
4. Shell size 09 may be supplied with optional configuration J dimension of 1.140 max.

## Materials/Finish

- Shell: Aluminum Alloy
- Jackscrews, Washers, Jackposts: 300 Series Stainless Steel, Passivated
- See Ordering Info For Finish Options



# 507-178

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Table I: Dimensions

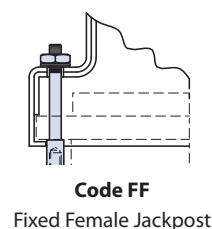
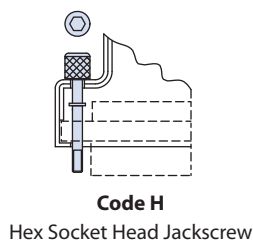
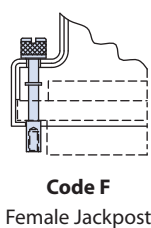
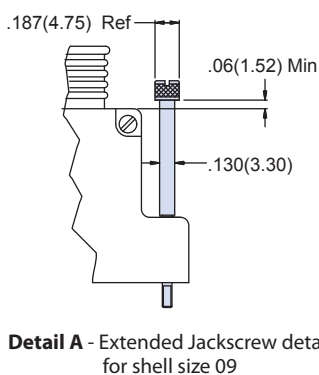
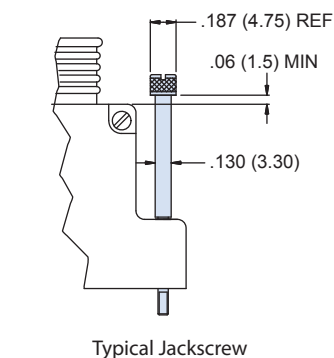
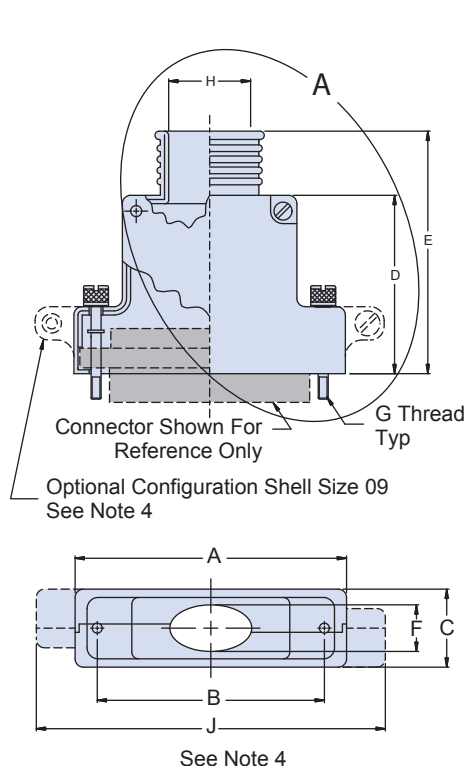
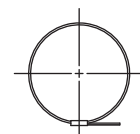


Table II: Cable Entry Code

| Code | H             |               | Available on Shell Size |
|------|---------------|---------------|-------------------------|
|      | In.<br>± .010 | mm.<br>± 0.25 |                         |
| 04   | .250          | 6.35          | 09, 15, 21              |
| 05   | .312          | 7.92          | 15 Thru 31              |
| 06   | .375          | 9.53          | 21 Thru 51              |
| 07   | .437          | 11.10         | 25 Thru 51              |
| 08   | .500          | 12.70         | 25 Thru 51              |
| 09   | .562          | 14.27         | 31 Thru 100             |
| 10   | .625          | 15.88         | 31 Thru 100             |
| 11   | .688          | 17.48         | 37 Thru 100             |
| 12   | .750          | 19.05         | 37 Thru 100             |
| 13   | .812          | 20.62         | 37,51-2,67,69,100       |
| 14   | .875          | 22.23         | 51-2, 67, 69, 100       |
| 15   | .938          | 23.83         | 51-2, 67, 69, 100       |
| 16   | 1.000         | 25.40         | 51-2, 67, 69, 100       |



| Size | A Max. |       | B     |       | C Max. |       | D             |               | E             |               | F             |               | G Thread    | Available Dash No. Table III |
|------|--------|-------|-------|-------|--------|-------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|------------------------------|
|      | In.    | mm.   | In.   | mm.   | In.    | mm.   | In.<br>± .010 | mm.<br>± 0.25 | In.<br>± .020 | mm.<br>± .022 | In.<br>± .005 | mm.<br>± .127 |             |                              |
| 09   | .915   | 23.24 | .565  | 14.35 | .450   | 11.43 | .701          | 17.81         | 1.013         | 25.73         | .160          | 4.06          | 2-56 UNC-2A | 04                           |
| 15   | 1.065  | 27.05 | .715  | 18.16 | .450   | 11.43 | .763          | 19.38         | 1.076         | 27.33         | .190          | 4.83          | 2-56 UNC-2A | 04-05                        |
| 21   | 1.215  | 30.86 | .865  | 21.97 | .450   | 11.43 | .795          | 20.19         | 1.107         | 28.12         | .220          | 5.59          | 2-56 UNC-2A | 04-06                        |
| 25   | 1.315  | 33.40 | .965  | 24.51 | .450   | 11.43 | .857          | 21.77         | 1.170         | 29.72         | .260          | 6.60          | 2-56 UNC-2A | 05-08                        |
| 31   | 1.465  | 37.21 | 1.115 | 28.32 | .450   | 11.43 | .888          | 22.56         | 1.201         | 30.51         | .275          | 6.99          | 2-56 UNC-2A | 05-10                        |
| 37   | 1.615  | 41.02 | 1.265 | 32.13 | .450   | 11.43 | .951          | 24.16         | 1.263         | 32.08         | .285          | 7.24          | 2-56 UNC-2A | 06-13                        |
| 51   | 1.565  | 39.75 | 1.215 | 30.86 | .495   | 12.57 | 1.013         | 25.73         | 1.326         | 33.68         | .350          | 8.89          | 2-56 UNC-2A | 06-12                        |
| 51-2 | 1.965  | 49.91 | 1.615 | 41.02 | .450   | 11.43 | 1.013         | 25.73         | 1.326         | 33.68         | .350          | 8.89          | 2-56 UNC-2A | 13-16                        |
| 67   | 2.365  | 60.07 | 2.015 | 51.18 | .450   | 11.43 | 1.013         | 25.73         | 1.326         | 33.68         | .350          | 8.89          | 2-56 UNC-2A | 13-16                        |
| 69   | 1.865  | 47.37 | 1.515 | 38.48 | .495   | 12.57 | 1.013         | 25.73         | 1.326         | 33.68         | .350          | 8.89          | 2-56 UNC-2A | 13-16                        |
| 100  | 2.305  | 58.55 | 1.800 | 45.72 | .540   | 13.72 | 1.076         | 27.33         | 1.388         | 35.26         | .490          | 12.45         | 4-40 UNC-2A | 09-16                        |