# 500-047
## EMI Banding Backshell, Elliptical Entry

- Solid Backshell
- Band-Master ATS® Shield Termination
- Elliptical Entry

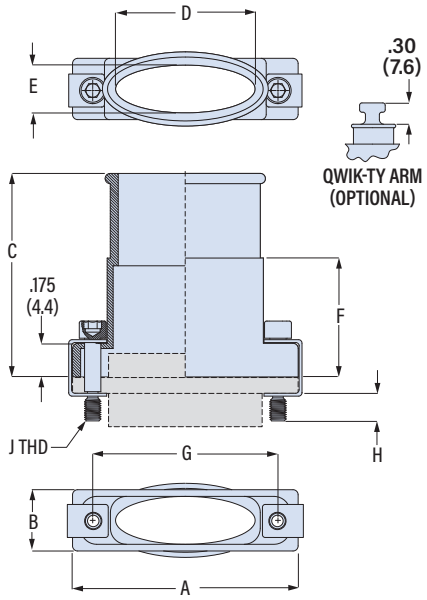





**500-047**

*This accessory fits MWDM and M83513 Class M metal shell Micro-D connectors*

***EMI, elliptical entry***. 500-047 backshell fits MIL-DTL-83513 Class M and Glenair MWDM Micro-D connectors with metal shell. Terminate cable shield to backshell with BandMaster ATS band strap. Available with screwlocks or jackscrews: screwlocks allow connectors to be fully mated prior to fastening screws, jackscrews must be tightened in order to mate connectors. Aluminum or stainless steel with passivated stainless steel screws and retainer clips.

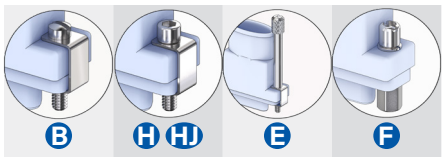



## PART NUMBER

| | Sample PN→ | 500-047 | M | 21 | B | B | T |
|---|---|---|---|---|---|---|---|
| Base P/N | | 500-047 | | | | | |
| Material / Finish | | TZ Tin-Zinc<br>JF Alum / Cadmium w/ Yellow Chromate<br>M Alum / Electroless Nickel<br>MT Alum / Nickel-PTFE<br>ZR Alum / Black Zinc-Nickel<br>Z1 SST / Passivated | | | | | |
| Shell Size | | 09 15 21 25 31 37 51 51-2<br>67 69 75 100 130 | | | | | |
| Screwlocks *(Table 1)* | | B Fillister Head Male Screwlocks<br>E Extended Slotted Male Screwlocks<br>F Female Screwlocks (fixed)<br>H Socket Head Male Screwlocks<br>HJ Socket Head Male Jackscrews | | | | | |
| Band | | *Omit* No Band<br>B Standard Band Included<br>P Slim Standard Band Included<br>M Micro Band Included<br>D Micro Slim Band Included<br>L Micro-Max Band Included | | | | | |
| Qwik-Ty | | *Omit* No Qwik-Ty Strain Relief Arm<br>T Qwik-Ty Arm Included | | | | | |

| | A | | B | | C | | D | | E | | F | | G | | H | | J Thd |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Size | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | UNC-2 |
| 09 | .775 | 19.7 | .34 | 8.6 | .75 | 19.1 | .312 | 7.9 | .281 | 7.1 | .32 | 8.1 | .565 | 14.4 | .154 | 3.9 | 2-56 |
| 15 | .925 | 23.5 | .34 | 8.6 | .88 | 22.4 | .420 | 10.7 | .281 | 7.1 | .44 | 11.2 | .715 | 18.2 | .154 | 3.9 | 2-56 |
| 21 | 1.075 | 27.3 | .34 | 8.6 | 1.00 | 25.4 | .590 | 15.0 | .281 | 7.1 | .56 | 14.2 | .865 | 22.0 | .154 | 3.9 | 2-56 |
| 25 | 1.175 | 29.8 | .34 | 8.6 | 1.06 | 26.9 | .690 | 17.5 | .281 | 7.1 | .62 | 15.7 | .965 | 24.5 | .154 | 3.9 | 2-56 |
| 31 | 1.325 | 33.7 | .34 | 8.6 | 1.12 | 28.4 | .820 | 20.8 | .281 | 7.1 | .68 | 17.3 | 1.115 | 28.3 | .154 | 3.9 | 2-56 |
| 37 | 1.475 | 37.5 | .34 | 8.6 | 1.16 | 29.5 | .970 | 24.6 | .281 | 7.1 | .72 | 18.3 | 1.265 | 32.1 | .154 | 3.9 | 2-56 |
| 51 | 1.425 | 36.2 | .38 | 9.7 | 1.19 | 30.2 | .920 | 23.4 | .312 | 7.9 | .75 | 19.1 | 1.215 | 30.9 | .154 | 3.9 | 2-56 |
| 51-2 | 1.835 | 46.6 | .34 | 8.6 | 1.19 | 30.2 | 1.030 | 26.2 | .281 | 7.1 | .75 | 19.1 | 1.615 | 41.0 | .154 | 3.9 | 2-56 |
| 67 | 2.225 | 56.5 | .34 | 8.6 | 1.19 | 30.2 | 1.720 | 43.7 | .281 | 7.1 | .75 | 19.1 | 2.015 | 51.2 | .154 | 3.9 | 2-56 |
| 69 | 1.730 | 43.9 | .40 | 10.2 | 1.19 | 30.2 | 1.190 | 30.2 | .312 | 7.9 | .75 | 19.1 | 1.515 | 38.5 | .154 | 3.9 | 2-56 |
| 75 | 2.055 | 52.2 | .40 | 10.2 | 1.19 | 30.2 | 1.195 | 30.4 | .312 | 7.9 | .75 | 19.1 | 1.705 | 43.3 | .184 | 4.7 | 4-40 |
| 100 | 2.160 | 54.9 | .43 | 10.9 | 1.25 | 31.8 | 1.290 | 32.8 | .360 | 9.1 | .81 | 20.6 | 1.800 | 45.7 | .184 | 4.7 | 4-40 |
| 130 | 2.510 | 63.8 | .43 | 10.9 | 1.50 | 38.1 | 1.650 | 41.9 | .360 | 9.1 | 1.06 | 26.9 | 2.150 | 54.6 | .184 | 4.7 | 4-40 |

## TABLE 1 SCREWLOCK OPTIONS

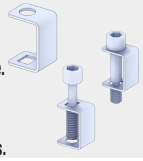



## SCREWLOCKS AND JACKSCREWS

**CLIP**
Clip has circular hole and square hole.

**JACKSCREW**
Square hole is on the bottom. Screw is captive. Turn screws to mate connectors.

**SCREWLOCK**
Square hole is on the top. Screw is floating. Mate connectors first, then fasten screwlocks.



## BAND OPTIONS

Terminate cable braid to backshell with optional band strap and banding tool. Pre-coiled bands are passivated stainless steel. Slim Standard bands have reduced thickness for weight reduction. Micro Slim bands have reduced thickness for weight reduction. Micro-Max bands are high-tension for lower-resistivity termination.

| Band Type and Width | Hand Tool | Pneumatic |
|---|---|---|
| Standard: .24 (6.1) | 601-100 | 601-106 |
| Slim Standard: .24 (6.1) | 601-109 | 601-110 |
| Micro: .12 (3.0) | 601-101 | 601-107 |
| Micro Slim: .12 (3.0) | 601-122 | 601-123 |
| Micro-Max: .12 (3.0) | 601-129 | 601-118 |


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Dimensions in Inches (millimeters) are subject to change without notice.
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