# AS85049/78
# 45° EMI/RFI Environmental Backshell



| CONNECTOR DESIGNATOR: | |
|---|---|
| H | MIL-DTL-38999, Series III and IV<br>EN3645 |

**Finish**

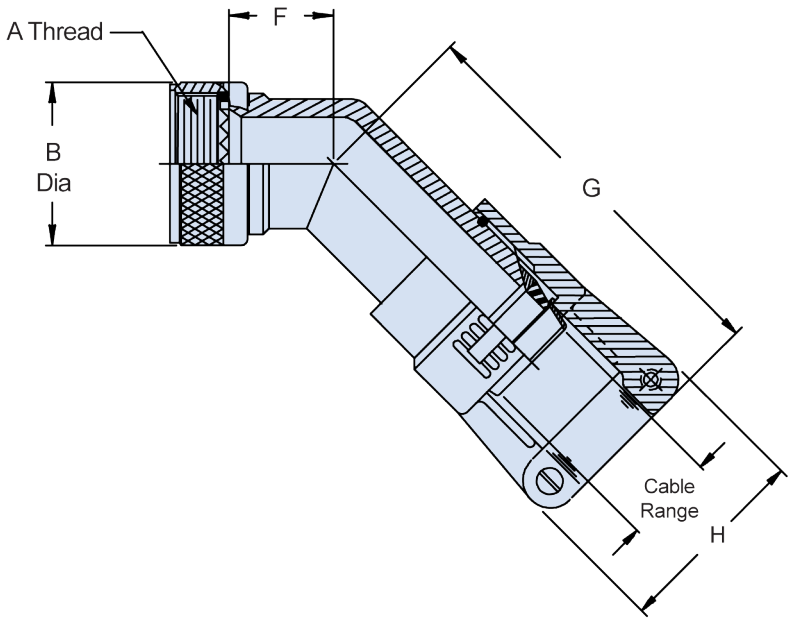
*N* = *Electroless Nickel*
*W* = *1,000 Hr. Cadmium Olive Drab over Electroless Nickel*
*X* = *Aluminum, Nickel Flurocarbon Polymer*
*Z* = *Aluminum, Zinc-Nickel, Black*

**M85049/78 - 11 W 01**

- **Basic Part Number**
- **Shell Size** *(Tables I & II)*
- **Clamp Size** *(Tables II & III)*

## TABLE I: Shell Size, Thread and Dimensions

| Shell Size | A Thread Class 2B | B Dia Max |
|---|---|---|
| 09 | M12 X 1 - 6H | .750 (19.1) |
| 11 | M15 X 1 - 6H | .850 (21.6) |
| 13 | M18 X 1 - 6H | 1.000 (25.4) |
| 15 | M22 X 1 - 6H | 1.150 (29.2) |
| 17 | M25 X 1 - 6H | 1.250 (31.8) |
| 19 | M28 X 1 - 6H | 1.400 (35.6) |
| 21 | M31 X 1 - 6H | 1.550 (39.4) |
| 23 | M34 X 1 - 6H | 1.650 (41.9) |
| 25 | M37 X 1 - 6H | 1.850 (47.0) |




## TABLE II: Shell Size, Clamp Size and Dimensions

| Shell Size | Clamp Size Min | Clamp Size Max | F ±.062 (1.6) | G ±.062 (1.6) |
|---|---|---|---|---|
| 09 | 01 | 02 | .398 (10.1) | 3.088 (78.4) |
| 11 | 01 | 03 | .458 (11.6) | 3.148 (80.0) |
| 13 | 02 | 04 | .518 (13.2) | 3.208 (81.5) |
| 15 | 02 | 05 | .588 (14.9) | 3.298 (83.8) |
| 17 | 02 | 06 | .678 (17.2) | 3.408 (86.6) |
| 19 | 03 | 07 | .868 (22.0) | 3.598 (91.4) |
| 21 | 03 | 08 | .868 (22.0) | 3.598 (91.4) |
| 23 | 03 | 09 | .958 (24.3) | 3.748 (95.2) |
| 25 | 04 | 10 | .958 (24.3) | 3.748 (95.2) |

## APPLICATION NOTES

1. For complete dimensions see the applicable Military Specification.
2. Metric dimensions (mm) are in parentheses.
3. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

## TABLE III: Clamp Size, Cable Range and Dimensions

| Clamp Size | Cable Range Min | Cable Range Max | H Max |
|---|---|---|---|
| 01 | .062 (1.6) | .125 (3.2) | .800 (20.3) |
| 02 | .125 (3.2) | .250 (6.4) | 1.000 (25.4) |
| 03 | .250 (6.4) | .375 (9.5) | 1.100 (27.9) |
| 04 | .375 (9.5) | .500 (12.7) | 1.200 (30.5) |
| 05 | .500 (12.7) | .625 (15.9) | 1.250 (31.8) |
| 06 | .625 (15.9) | .750 (19.1) | 1.400 (35.6) |
| 07 | .750 (19.1) | .875 (22.2) | 1.500 (38.1) |
| 08 | .875 (22.2) | 1.000 (25.4) | 1.650 (41.9) |
| 09 | 1.000 (25.4) | 1.125 (28.6) | 1.750 (44.5) |
| 10 | 1.125 (28.6) | 1.250 (31.8) | 1.900 (48.3) |

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

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