

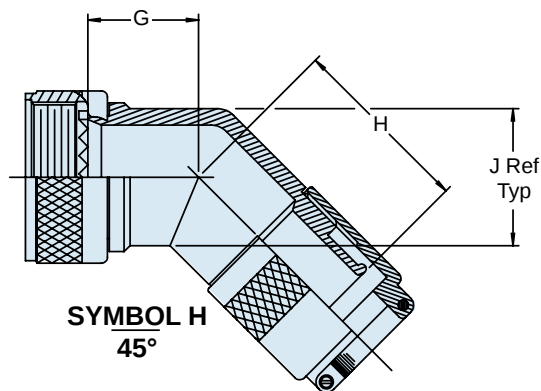
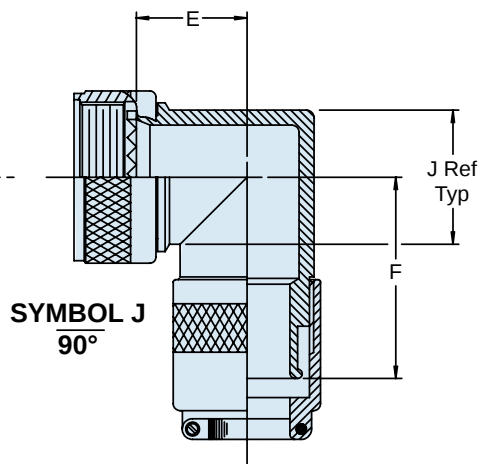
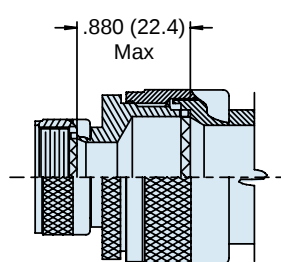
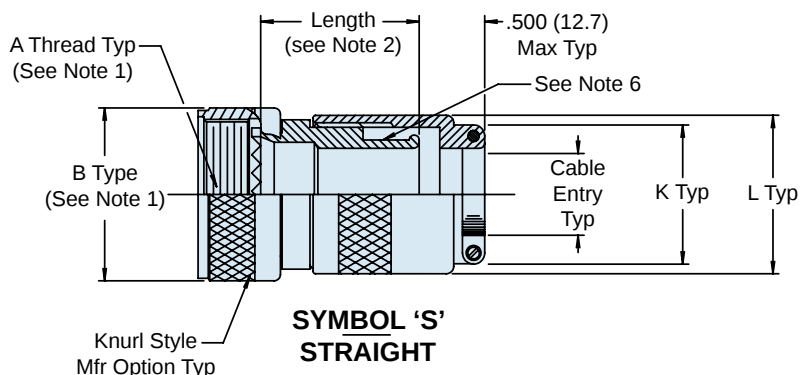
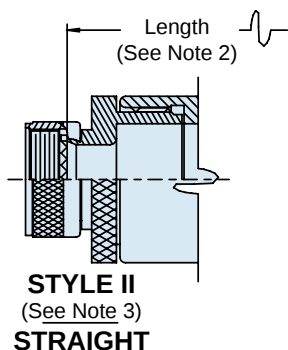
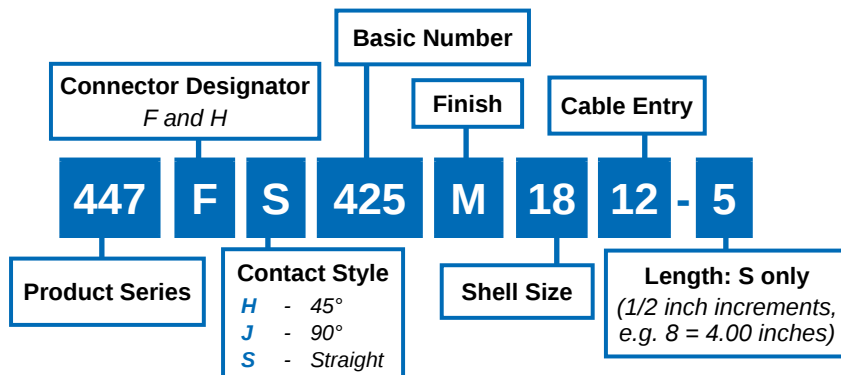


# 447-425 EMI/RFI Non-Environmental Band-in-a-Can Backshell With Cable Clamp Strain-Relief Rotatable Coupling - Standard Profile

## Connector Designators:

MIL-DTL-38999 Series I, II (F)  
MIL-DTL-38999 Series III and IV (H)

## F-H ROTATABLE COUPLING



**447-425**  
**EMI/RFI Non-Environmental Band-in-a-Can Backshell**  
**With Cable Clamp Strain-Relief**  
**Rotatable Coupling - Standard Profile**



**TABLE III: BACKSHELL DIMENSIONS**

| Shell Size<br>F H |    | E Max.     | F Max.     | G Max.      | H Max.     | J Ref.     | Max. Dash<br>No. (F, H) |
|-------------------|----|------------|------------|-------------|------------|------------|-------------------------|
| 08                | 09 | 0.75 (1.9) | 1.5 (3.8)  | 0.639 (1.6) | 1.38 (3.5) | 0.45 (1.1) | 01                      |
| 10                | 11 | 0.81 (2.1) | 1.55 (3.9) | 0.664 (1.7) | 1.41 (3.6) | 0.58 (1.5) | 02                      |
| 12                | 13 | 0.87 (2.2) | 1.61 (4.1) | 0.688 (1.7) | 1.43 (3.6) | 0.69 (1.8) | 04                      |
| 14                | 15 | 0.92 (2.3) | 1.68 (4.3) | 0.705 (1.8) | 1.46 (3.7) | 0.82 (2.1) | 05                      |
| 16                | 17 | 0.98 (2.5) | 1.74 (4.4) | 0.732 (1.9) | 1.48 (3.8) | 0.94 (2.4) | 06                      |
| 18                | 19 | 1.02 (2.6) | 1.76 (4.5) | 0.748 (1.9) | 1.49 (3.8) | 1.03 (2.6) | 06                      |
| 20                | 21 | 1.08 (2.7) | 1.82 (4.6) | 0.773 (2.0) | 1.51 (3.8) | 1.16 (2.9) | 07                      |
| 22                | 23 | 1.14 (2.9) | 1.90 (4.8) | 0.800 (2.0) | 1.55 (3.9) | 1.28 (3.3) | 08                      |
| 24                | 25 | 1.20 (3.0) | 1.97 (5.0) | 0.823 (2.1) | 1.58 (4.0) | 1.41 (3.6) | 09                      |

**TABLE IV: CABLE ENTRY**

| Dash No. | K Max.      | L Max.     | Cable Entry |             |
|----------|-------------|------------|-------------|-------------|
|          |             |            | Min.        | Max.        |
| 1        | 0.843 (2.1) | 0.78 (2.0) | 0.125 (0.3) | 0.250 (0.6) |
| 2        | 0.968 (2.5) | 0.97 (2.5) | 0.156 (0.4) | 0.375 (1.0) |
| 3        | 1.046 (2.7) | 1.05 (2.7) | 0.250 (0.6) | 0.438 (1.1) |
| 4        | 1.156 (2.9) | 1.15 (2.9) | 0.280 (0.7) | 0.500 (1.3) |
| 5        | 1.218 (3.1) | 1.22 (3.1) | 0.375 (1.0) | 0.625 (1.6) |
| 6        | 1.343 (3.4) | 1.34 (3.4) | 0.500 (1.3) | 0.750 (1.9) |
| 7        | 1.468 (3.7) | 1.47 (3.7) | 0.625 (1.6) | 0.875 (2.2) |
| 8        | 1.593 (4.0) | 1.59 (4.0) | 0.750 (1.9) | 1.000 (2.5) |
| 9        | 1.718 (4.4) | 1.72 (4.4) | 0.875 (2.2) | 1.125 (2.9) |
| 10       | 1.843 (4.7) | 1.84 (4.7) | 1.000 (2.5) | 1.250 (3.2) |

**TABLE II: FINISHES**

| Symbol | Finish                                              |
|--------|-----------------------------------------------------|
| B      | Cadmium Plate, Olive Drab                           |
| C      | Anodize, Black                                      |
| GB     | Black Anodize, Hard Coat                            |
| M      | Electroless Nickel                                  |
| N      | Cad Plate, Olive Drab over Electroless Nickel       |
| NF     | Cadmium Plate, Olive Drab over Electroless Nickel   |
| MT     | Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer |
| Z1     | Stainless Steel Passivate                           |
| ZL     | CRES, Electroless Nickel                            |
| ZN     | Zinc-Nickel                                         |

**APPLICATION NOTES**

- Standard minimum length for Style I is 1 inch (25.4), Style II is 1.5 inches (38.1). Consult factory about shorter lengths (Note: Applies to Symbol **S** Straight only).
- When cable diameter exceeds "Max Dash No" in Table I, Style II will be supplied.
- For effective grounding, connector with conductive finish should be used.
- Glenair Series 600 Backshell Assembly tools are recommended for assembly and installation.
- For shield termination see Glenair Drawings 600-050 and 600-052.
- Material/Finish:  
Adapters, Elbows, Coupling Nuts, Ferrule, Clamp - Al Alloy/See Table I  
Hardware - Cres/Passivate
- Metric dimensions (mm) are indicated in parentheses.

# Mouser Electronics

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