



AS85049/63

90° Qwik-Ty Strain Relief

Optional Self-Locking • Optional Ground Lug

CONNECTOR DESIGNATOR:
F MIL-DTL-38999 Series I and II

Configuration

N = Non-Detented
G = Self-Locking with Ground Lug
H = Non-Detented with Ground Lug
S = Self-Locking without Ground Lug
 — = Non Self-Locking

Finish

A = Anodize, Black
N = Electroless Nickel
W = 1,000 Hour Cadmium Olive Drab over Electroless Nickel
X = Nickel Fluorocarbon Polymer
Y = Pure Dense Electrodeposited Aluminum
Z = Zinc-Nickel, Black

Basic Part Number
 M85049/63 = 90°

M85049/63
G
16
W
**OPTIONAL
 SELF-LOCKING
 COUPLING**
**Shell
 Size**

TABLE I: Shell Size, Thread, Cable Entry and Backshell Dimensions

| Shell Size Series II | Series I Shell Size Ref. | A Thread Class 2B | C Dia Max | E Dia Max | F Cable Entry | J Max | K Self-Locking |
|----------------------|--------------------------|-------------------|--------------|--------------|---------------|--------------|----------------|
| 8 | 9 | .438-28 UNEF | .750 (19.1) | .860 (21.8) | .264 (6.7) | 1.220 (31.0) | .630 (16.0) |
| 10 | 11 | .562-24 UNEF | .850 (21.6) | .980 (24.9) | .392 (10.0) | 1.290 (32.8) | .630 (16.0) |
| 12 | 13 | .688-24 UNEF | 1.000 (25.4) | 1.160 (29.5) | .506 (12.9) | 1.620 (41.1) | .630 (16.0) |
| 14 | 15 | .813-20 UNEF | 1.100 (27.9) | 1.280 (32.5) | .631 (16.0) | 1.660 (42.2) | .700 (17.8) |
| 16 | 17 | .938-20 UNEF | 1.250 (31.8) | 1.410 (35.8) | .756 (19.2) | 1.720 (43.7) | .700 (17.8) |
| 18 | 19 | 1.063-18 UNEF | 1.400 (35.6) | 1.520 (38.6) | .845 (21.5) | 1.720 (43.7) | .730 (18.5) |
| 20 | 21 | 1.188-18 UNEF | 1.500 (38.1) | 1.640 (41.7) | .970 (24.6) | 1.790 (45.5) | .730 (18.5) |
| 22 | 23 | 1.313-18 UNEF | 1.650 (41.9) | 1.770 (45.0) | 1.095 (27.8) | 1.850 (47.0) | .730 (18.5) |
| 24 | 25 | 1.438-18 UNEF | 1.750 (44.5) | 1.890 (48.0) | 1.220 (31.0) | 1.910 (48.5) | .730 (18.5) |

APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting.
2. For complete dimensions, see the applicable Military Specification.
3. Cable entry is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. Metric dimensions (mm) are in parentheses.

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