

AS85049/53, AS85049/54 and AS85049/55

Straight, 45° and 90° Qwik-Ty Strain Reliefs

Optional Self-Locking • Optional Ground Lug

CONNECTOR DESIGNATOR:

A

AS50151 Series AS34001
MIL-DTL-26482 Series II
AS81703 Series III
MIL-DTL-83723 Series I and III
40M39569, DEF 5326-3, EN2997
EN3646, ESC 10, ESC 11, LN 29504
NFC93422 Series HE302
PAN 6432-1, PAN 6432-2, PATT 602

Configuration

— = Non-Self-Locking
G = Non-Self-Locking with Ground Lug*
S = Detented, Self-Locking*
T = Detented, Self-Locking with Ground Lug
N = Non-Detented, Self-Locking
H = Non-Detented, Self-Locking with Ground Lug
 *Configuration Options G and S are available only with AS85049/55

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

Shell Size

M85049/55

G

22

N

OPTIONAL SELF-LOCKING COUPLING

Basic Part Number

M85049/53 = Straight
 M85049/54 = 45°
 M85049/55 = 90°



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

| Shell Size | A Thread Class 2B | C Dia Max | E Dia Max | F Cable Entry | G Max | H Max | J Max | K Max |
|------------|-------------------|--------------|--------------|---------------|--------------|--------------|-------------|--------------|
| 03 | 562 - 24 UNEF | .780 (19.8) | 1.010 (25.7) | .260 (6.6) | .954 (24.0) | 1.232 (31.3) | .730 (18.5) | 1.290 (32.8) |
| 08 | .500 - 20 UNF | .660 (16.8) | .890 (22.6) | .260 (6.6) | .954 (24.0) | 1.232 (31.3) | .730 (18.5) | 1.290 (31.0) |
| 10 | .625 - 24 UNEF | .780 (19.8) | 1.010 (25.7) | .365 (9.3) | .954 (24.0) | 1.232 (31.3) | .730 (18.5) | 1.290 (32.8) |
| 12 | .750 - 20 UNEF | .940 (23.9) | 1.140 (29.0) | .501 (12.7) | .954 (24.0) | 1.232 (31.3) | .730 (18.5) | 1.620 (41.1) |
| 14 | .875 - 20 UNEF | 1.050 (26.7) | 1.260 (32.0) | .575 (14.6) | 1.204 (30.6) | 1.232 (31.3) | .730 (18.5) | 1.660 (42.2) |
| 16 | 1.000 - 20 UNEF | 1.240 (31.5) | 1.390 (35.3) | .700 (17.8) | 1.204 (30.6) | 1.232 (31.3) | .730 (18.5) | 1.720 (43.7) |
| 18 | 1.062 - 18 UNEF | 1.380 (35.1) | 1.510 (38.4) | .779 (19.8) | 1.204 (30.6) | 1.232 (31.3) | .730 (18.5) | 1.720 (43.7) |
| 20 | 1.188 - 18 UNEF | 1.500 (38.1) | 1.640 (41.7) | .904 (23.0) | 1.310 (33.3) | 1.482 (37.6) | .750 (19.1) | 1.790 (45.5) |
| 22 | 1.313 - 18 UNEF | 1.630 (41.4) | 1.760 (44.7) | 1.029 (26.1) | 1.430 (36.3) | 1.482 (37.6) | .750 (19.1) | 1.850 (47.0) |
| 24 | 1.438 - 18 UNEF | 1.750 (44.5) | 1.890 (48.0) | 1.144 (29.1) | 1.560 (39.6) | 1.482 (37.6) | .750 (19.1) | 1.910 (48.5) |
| 28 | 1.750 - 18 UNS | 1.970 (50.0) | 2.140 (54.4) | 1.379 (35.0) | 1.560 (39.6) | 1.469 (37.3) | .750 (19.1) | 2.060 (52.3) |

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.