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, S, T, H and N are only available with AS85049/**55**

Shell Size

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

M85049/55 | G | 22 | N

OPTIONAL SELF-LOCKING COUPLING

Basic Part Number
M85049/53 = Straight
M85049/54 = 45°
M85049/55 = 90°

FOR NEW DESIGN APPLICATIONS USE
M85049/43 (45°), M85049/51 (90°) and M85049/52 (Straight)

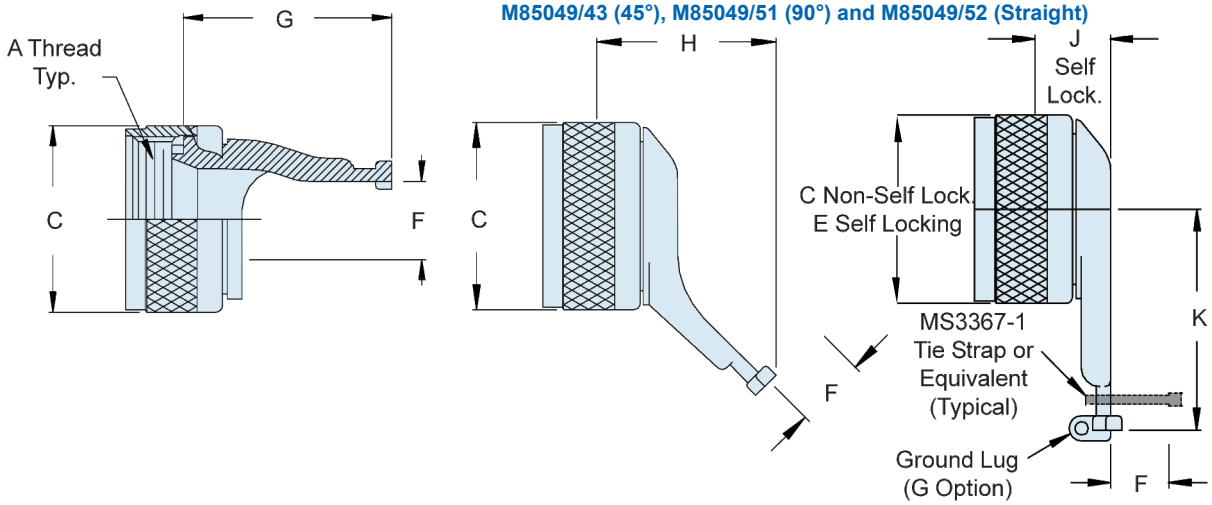

TABLE I: Shell Size, Thread, Cable Entry and Backshell Dimensions

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 accomodation 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.

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