

**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**

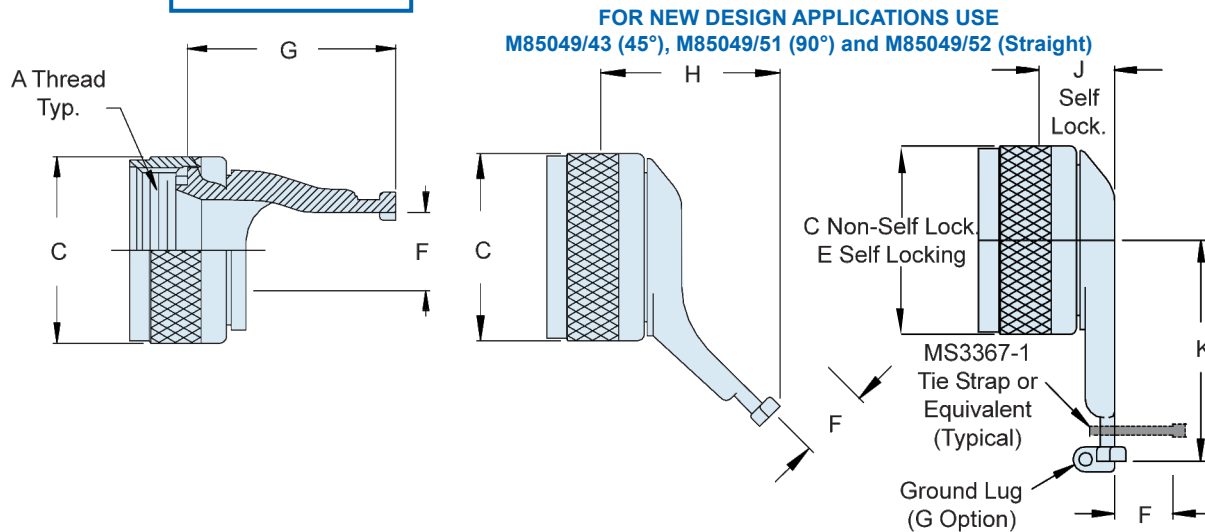
— = Non-Self-Locking  
**G** = Non-Self-Locking with Ground Lug\*  
**S** = Detented, Self-Locking\*  
**T** = Detented, Self-Locking with Ground Lug  
**N** = Non-Detented, Self-Locking  
**H** = Non-Detented, Self-Locking with Ground Lug  
 \*Configuration Options G, S, T, H and N are only available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

**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.

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