

AS85049/56, AS85049/57 and AS85049/63
Straight, 45° and 90° Qwik-Ty Strain Reliefs
 Optional Self-Locking • Optional Ground Lug



CONNECTOR DESIGNATOR:	
F	MIL-DTL-38999 Series I and II 40M38277, PAN 64331 PATT 614, PATT 616 NFC93422 Series HE308 and HE309

Configuration
<i>N</i> = Non-Detented
<i>G</i> = Self-Locking with Ground Lug
<i>H</i> = Non-Detented with Ground Lug
<i>S</i> = Self-Locking without Ground Lug
— = Non Self-Locking

Shell Size
16

Finish
<i>A</i> = Anodize, Black
<i>N</i> = Electroless Nickel
<i>W</i> = 1,000 Hour Cadmium Olive Drab over Electroless Nickel
<i>X</i> = Pure Dense Electrodeposited Aluminum
<i>Z</i> = Zinc-Nickel, Black

Basic Part Number
<i>M85049/56</i> = Straight
<i>M85049/57</i> = 45°
<i>M85049/63</i> = 90°

M85049/63 G 16 W

OPTIONAL SELF-LOCKING COUPLING

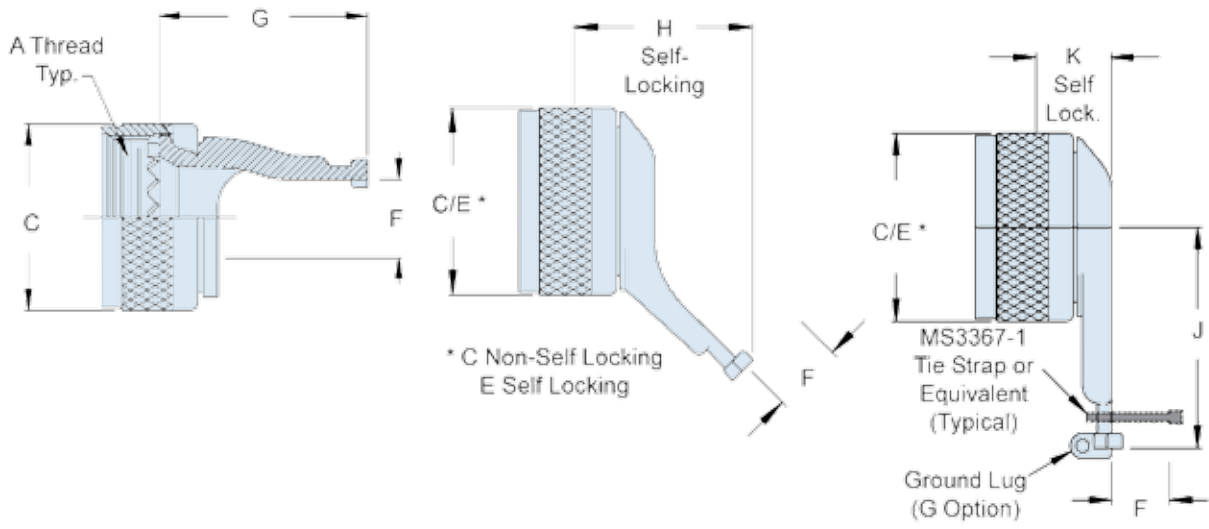


TABLE I: Shell Size, Thread, Cable Entry and Backshell Dimensions

Shell Size Series II	Series I Shell Size Ref.	A Thread Class 2B	C Dia Max	E Dia Max	F Cable Entry	G Max	H Max	J Max
8	9	.438-28 UNEF	.750 (19.1)	.860 (21.8)	.264 (6.7)	.895 (22.7)	1.210 (30.7)	1.220 (31.0)
10	11	.562-24 UNEF	.850 (21.6)	.980 (24.9)	.392 (10.0)	.895 (22.7)	1.210 (30.7)	1.290 (32.8)
12	13	.688-24 UNEF	1.000 (25.4)	1.160 (29.5)	.506 (12.9)	.955 (24.3)	1.390 (35.3)	1.620 (41.1)
14	15	.813-20 UNEF	1.100 (27.9)	1.280 (32.5)	.631 (16.0)	1.135 (28.8)	1.390 (35.3)	1.660 (42.2)
16	17	.938-20 UNEF	1.250 (31.8)	1.410 (35.8)	.756 (19.2)	1.135 (28.8)	1.390 (35.3)	1.720 (43.7)
18	19	1.063-18 UNEF	1.400 (35.6)	1.520 (38.6)	.845 (21.5)	1.195 (30.4)	1.390 (35.3)	1.720 (43.7)
20	21	1.188-18 UNEF	1.500 (38.1)	1.640 (41.7)	.970 (24.6)	1.325 (33.7)	1.390 (35.3)	1.790 (45.5)
22	23	1.313-18 UNEF	1.650 (41.9)	1.770 (45.0)	1.095 (27.8)	1.445 (36.7)	1.390 (35.3)	1.850 (47.0)
24	25	1.438-18 UNEF	1.750 (44.5)	1.890 (48.0)	1.220 (31.0)	1.585 (40.3)	1.390 (35.3)	1.910 (48.5)

- 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.