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

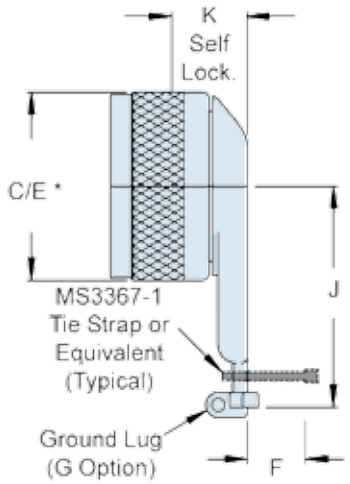

TABLE I: Shell Size, Thread, Cable Entry and Backshell Dimensions

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 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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