

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



AS85049

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I and II

Configuration

N = Non-Detented (/57 only)
G = Self-Locking with Ground Lug (/57 only)
H = Non-Detented with Ground Lug (/57 only)
S = Self-Locking without Ground Lug (/57 only)
 — = Non Self-Locking (/56 only)

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

M85049/56 = Straight
M85049/57 = 45°

M85049/57

G

16

W

**OPTIONAL
SELF-LOCKING
COUPLING**

B

**Shell
Size**

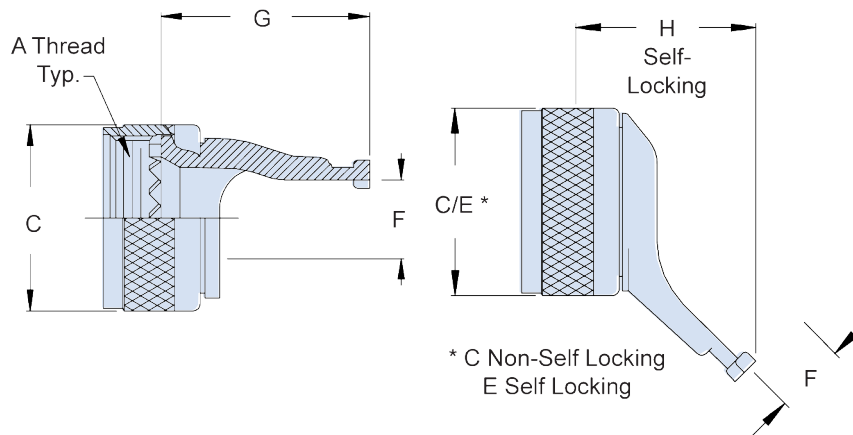


TABLE I: Shell Size, Thread, Cable Entry and Backshell Dimensions

Shell Size Series II	Series I Shell Size Ref.	A Thread Class 2B	C Dia Max	E Dia Max	F Cable Entry	G Max	H Max
8	9	.438-28 UNEF	.750 (19.1)	.860 (21.8)	.264 (6.7)	.895 (22.7)	1.210 (30.7)
10	11	.562-24 UNEF	.850 (21.6)	.980 (24.9)	.392 (10.0)	.895 (22.7)	1.210 (30.7)
12	13	.688-24 UNEF	1.000 (25.4)	1.160 (29.5)	.506 (12.9)	.955 (24.3)	1.390 (35.3)
14	15	.813-20 UNEF	1.100 (27.9)	1.280 (32.5)	.631 (16.0)	1.135 (28.8)	1.390 (35.3)
16	17	.938-20 UNEF	1.250 (31.8)	1.410 (35.8)	.756 (19.2)	1.135 (28.8)	1.390 (35.3)
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)
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)
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)
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)

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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Mil-Spec Backshells

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M85049/57S12W	M85049/57H10A	M85049/57H10N	M85049/57H10W	M85049/57H12A	M85049/57H12N
M85049/57H12W	M85049/57H14A	M85049/57H14N	M85049/57H14W	M85049/57H16A	M85049/57H16N
M85049/57H16W	M85049/57H18A	M85049/57H18N	M85049/57H18W	M85049/57H20A	M85049/57H20N
M85049/57H20W	M85049/57H22A	M85049/57H22N	M85049/57H22W	M85049/57H24A	M85049/57H24N
M85049/57H24W	M85049/57H8A	M85049/57H8N	M85049/57H8W	M85049/57N10A	M85049/57N10N
M85049/57N10W	M85049/57N12A	M85049/57N12N	M85049/57N12W	M85049/57N14A	M85049/57N14N
M85049/57N14W	M85049/57N16A	M85049/57N16N	M85049/57N16W	M85049/57N18A	M85049/57N18N
M85049/57N18W	M85049/57N20A	M85049/57N20N	M85049/57N20W	M85049/57N22A	M85049/57N22N
M85049/57N22W	M85049/57N24A	M85049/57N24N	M85049/57N24W	M85049/57N8A	M85049/57N8N
M85049/57N8W	M85049/57G16N	M85049/57S22A	M85049/57-22N	M85049/57G12N	M85049/57G20A
M85049/57G22A	M85049/57S8W	M85049/57G8W	M85049/57S18N	M85049/57S22W	M85049/57G14W
M85049/57G22W	M85049/57G8A	M85049/57G16A	M85049/57G18N	M85049/57S10W	M85049/57S16N
M85049/57S24W	M85049/57S8A	M85049/57S18A	M85049/57S20N	M85049/57G12A	M85049/57G14A
M85049/57G16W	M85049/57G20N	M85049/57G22N	M85049/57G24N	M85049/57S16A	M85049/57-08N
M85049/57-10N	M85049/57G10N	M85049/57G10W	M85049/57G24W	M85049/57S10A	M85049/57S12A
M85049/57S14A	M85049/57S20W	M85049/57-10A	M85049/57G10A	M85049/57G14N	M85049/57G24A
M85049/57S14N	M85049/57S18W	M85049/57S24A	M85049/57G18A		