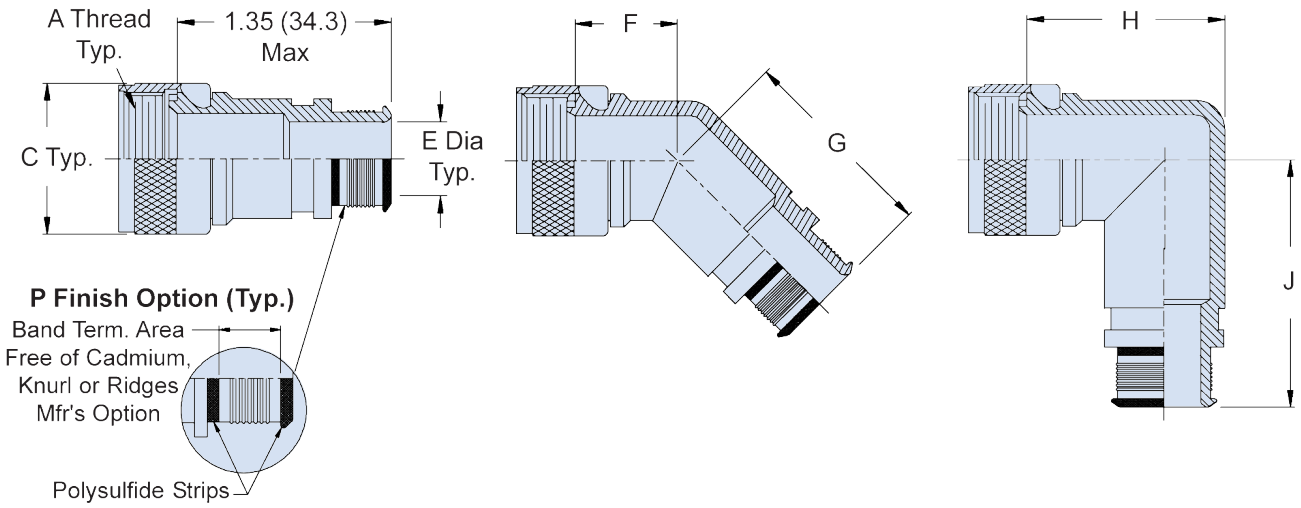
AS85049/82, AS85049/83 and AS85049/84
Straight, 45° and 90° Banding Backshells
with Self-Locking Coupling

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, EN 2997, EN 3646 ESC 10, ESC 11, LN 29504 NFC93422 Series HE302 PAN 6432-1, PAN 6432-2, PATT 602

Basic Part Number	—	Shell Size	Entry Size
M85049/82 = Straight M85049/83 = 45° M85049/84 = 90°	— = Detented N = Non-Detented	(Table I)	(Table I)
M85049/82	N	16	P	02

Finish

- N = Electroless Nickel
- P = Cadmium, Olive Drab over Electroless Nickel with Polysulfide Sealant Strips
- W = 1,000 Hr. Cadmium Olive Drab over Electroless Nickel
- X = Aluminum, Nickel Fluorocarbon Polymer
- YP = Aluminum, Pure Dense Electrodeposited Aluminum with Polysulfide Sealant Strips
- Z = Aluminum, Zinc-Nickel, Black
- ZP = Aluminum, Zinc Nickel with Polysulphide Sealant Strips



APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting.
2. For complete dimensions, see the applicable Military Specification.
3. Metric dimensions (mm) are in parentheses.
4. For use with AS85049/128 Bands.

Dimensions in inches (millimeters) and are subject to change without notice.

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AS85049/82, AS85049/83 and AS85049/84 Straight, 45° and 90° Banding Backshells with Self-Locking Coupling

TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Shell Size	A Thread Class 2B	C Dia Max	E Dia Cable Entry Size 02 ±.010 (0.30)	E Dia Cable Entry Size 03 ±.010 (0.30)	F Max	G Max	H Max	J Max
08	.500 - 20 UNF	.886 (22.4)	N/A	.250 (6.4)	.870 (22.1)	1.160 (29.5)	1.188 (30.2)	1.417 (36.0)
10	.625 - 24 UNEF	1.010 (25.7)	N/A	.312 (7.9)	.890 (22.6)	1.180 (30.0)	1.281 (32.5)	1.480 (37.6)
12	.750 - 20 UNEF	1.130 (28.7)	.312 (7.9)	.438 (11.1)	.920 (23.4)	1.200 (30.5)	1.406 (35.7)	1.542 (39.2)
14	.875 - 20 UNEF	1.260 (32.0)	.438 (11.1)	.562 (14.3)	.940 (23.9)	1.220 (31.0)	1.531 (38.9)	1.605 (40.8)
16	1.000 - 20 UNEF	1.386 (35.1)	.500 (12.7)	.625 (15.9)	.960 (24.4)	1.250 (31.8)	1.656 (42.1)	1.667 (42.3)
18	1.062 - 18 UNEF	1.510 (38.4)	.625 (15.9)	.750 (19.1)	.980 (24.9)	1.260 (32.0)	1.718 (43.6)	1.730 (43.9)
20	1.188 - 18 UNEF	1.636 (41.4)	.625 (15.9)	.812 (20.6)	1.00 (25.4)	1.290 (32.8)	1.844 (46.8)	1.792 (45.5)
22	1.313 - 18 UNEF	1.760 (44.7)	.688 (17.5)	.938 (23.8)	1.030 (26.2)	1.310 (33.3)	1.938 (49.2)	1.850 (47.0)
24	1.438 - 18 UNEF	1.886 (47.8)	.750 (19.1)	1.000 (25.4)	1.050 (26.7)	1.340 (34.0)	2.093 (53.2)	1.917 (48.7)
28	1.750 - 18 UNS	2.136 (54.1)	.875 (22.2)	1.125 (28.6)	1.100 (27.9)	1.380 (35.1)	2.531 (64.3)	2.042 (51.9)
61*	1.500 - 18 UNEF	1.95 (49.53)	.750 (19.05)	1.000 (25.40)	N/A	N/A	N/A	N/A

*Shell size 61 available in /82 straight configuration only

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