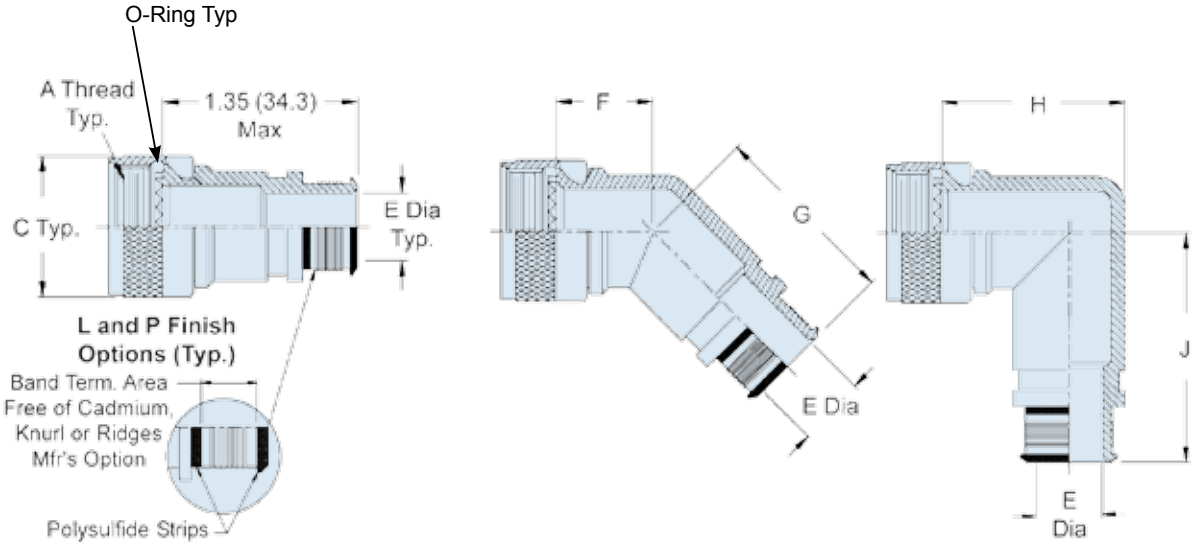
AS85049/88, AS85049/89 and AS85049/90
Straight, 45° and 90° Banding Backshells
with Self-Locking Coupling

CONNECTOR DESIGNATOR:	
H	MIL-DTL-38999 Series III and IV EN3645

— = Detented
N = Non-Detented

M85049/88	N	17	P	02	Entry Size (Table I)
Basic Part Number M85049/88 = Straight M85049/89 = 45° M85049/90 = 90°		Shell Size (Table I)	Finish (Table II)		



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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TABLE I: Shell Size, Cable Entry and Backshell Dimensions								
Shell Size	A Thread Class 2B	C Dia Max	E Dia Cable Entry Size +.025 (0.64) -.010 (0.25)		F Max	G Max	H Max	J Max
			02	03				
9	M12 X 1 - 6H	.860 (21.8)	N/A	.250 (6.4)	1.010 (25.7)	1.160 (29.5)	1.375 (34.9)	1.417 (36.0)
11	M15 X 1 - 6H	.990 (25.1)	N/A	.312 (7.9)	1.030 (26.2)	1.190 (30.2)	1.437 (36.5)	1.480 (37.6)
13	M18 X 1 - 6H	1.160 (29.5)	.312 (7.9)	.438 (11.1)	1.060 (26.9)	1.210 (30.7)	1.562 (39.7)	1.553 (39.4)
15	M22 X 1 - 6H	1.280 (32.5)	.438 (11.1)	.562 (14.3)	1.080 (27.4)	1.240 (31.5)	1.687 (42.8)	1.614 (41.0)
17	M25 X 1 - 6H	1.410 (35.8)	.500 (12.7)	.625 (15.9)	1.110 (28.2)	1.260 (32.0)	1.750 (44.5)	1.678 (42.6)
19	M28 X 1 - 6H	1.520 (38.6)	.625 (15.9)	.750 (19.1)	1.120 (28.4)	1.270 (32.3)	1.875 (47.6)	1.733 (44.0)
21	M31 X 1 - 6H	1.640 (41.7)	.625 (15.9)	.812 (20.6)	1.150 (29.2)	1.300 (33.0)	1.938 (49.2)	1.796 (45.6)
23	M34 X 1 - 6H	1.770 (45.0)	.688 (17.5)	.938 (23.8)	1.170 (29.7)	1.330 (33.8)	2.062 (52.4)	1.859 (47.2)
25	M37 X 1 - 6H	1.890 (48.0)	.750 (19.1)	1.000 (25.4)	1.200 (30.5)	1.350 (34.3)	2.125 (54.0)	1.919 (48.7)

TABLE II: Finish and Material		
Aluminum	Composite	Finish Description
G	Not Available	Electroless Nickel (Space Grade)
N	M	Electroless Nickel
P	L	Cadmium Olive Drab over Electroless Nickel, Selective Plating
W	J	Cadmium Olive Drab
X	XC	Nickel Fluorocarbon Polymer
YP	YL	Pure Dense Electrodeposited Aluminum, Selective Plating
Z	ZC	Zinc Nickel
ZP	ZL	Zinc Nickel, Selective Plating

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