

AS85049/85, AS85049/86 and AS85049/87 Straight, 45° and 90° Banding Backshells with Self-Locking Coupling



AS85049

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I and II

Basic Part Number

M85049/85 = Straight

M85049/86 = 45°

M85049/87 = 90°

— = Detented
N = Non-Detented

Shell Size
(Table I)

Entry Size
(Table I)

M85049/85

N

16

P

02

Finish

N = Electroless Nickel

P = Cadmium, Olive Drab over Electroless Nickel with
Polysulfide Sealant Strips

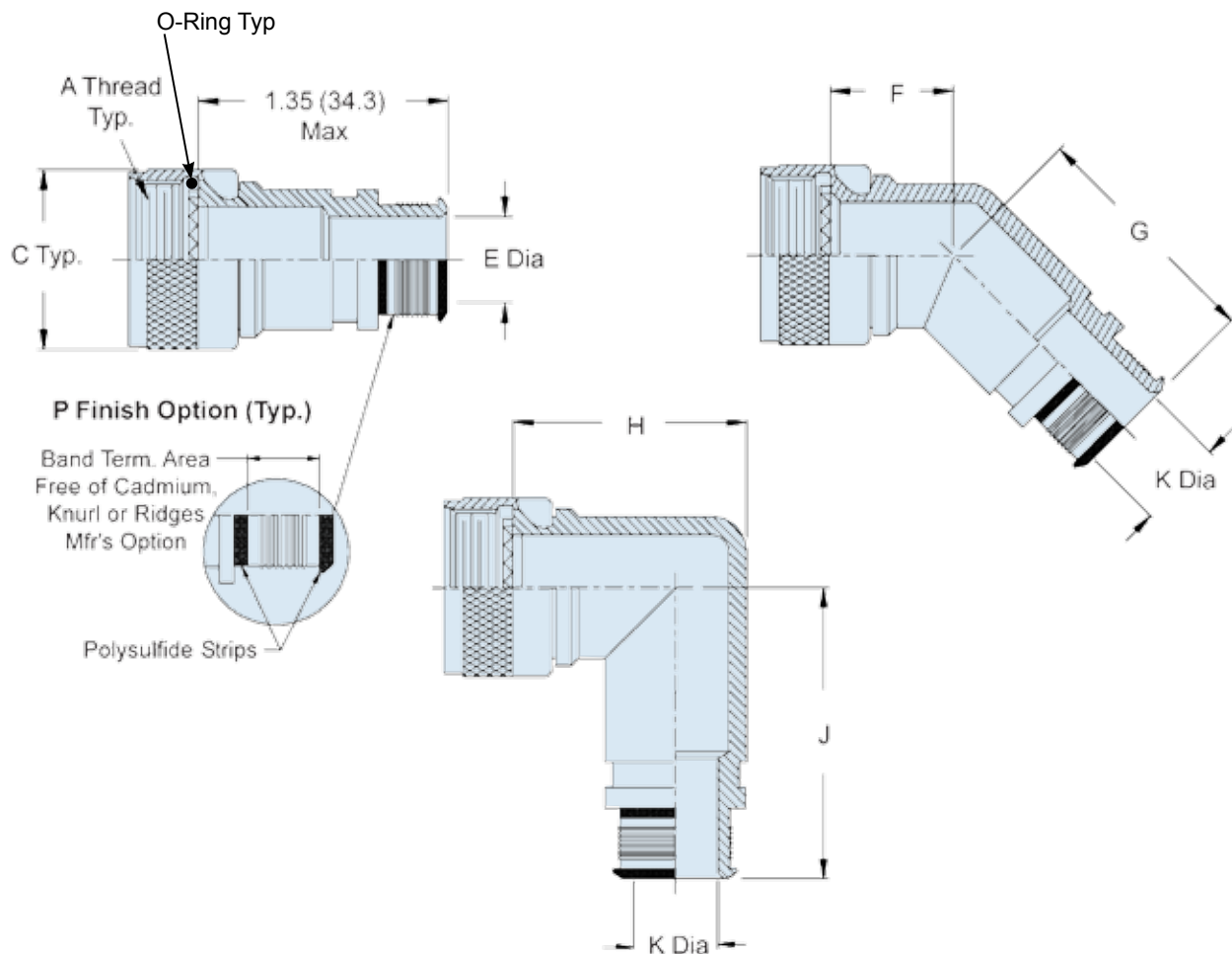
W = 1,000 Hr. Cadmium Olive Drab over Electroless Nickel

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 Polysulfide Sealant Strips



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

© 2013 Glenair, Inc.

U.S. CAGE Code 06324

Printed in U.S.A.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
www.glenair.com B-99 E-Mail: sales@glenair.com

B



AS85049/85, AS85049/86 and AS85049/87 Straight, 45° and 90° Banding Backshells with Self-Locking Coupling

B

TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Shell Size	A Thread Class 2B	C Dia Max	F Max	G Max	H Max	J Max
08	.438 - 28 UNEF	.860 (21.8)	.870 (22.1)	1.160 (29.5)	1.375 (34.9)	1.375 (34.9)
10	.562 - 24 UNEF	.990 (25.1)	.900 (22.9)	1.190 (30.2)	1.437 (36.5)	1.437 (36.5)
12	.688 - 24 UNEF	1.160 (29.5)	.920 (23.4)	1.210 (30.7)	1.562 (39.7)	1.562 (39.7)
14	.813 - 20 UNEF	1.280 (32.5)	.950 (24.1)	1.240 (31.5)	1.687 (42.8)	1.687 (42.8)
16	.938 - 20 UNEF	1.410 (35.8)	.980 (24.9)	1.260 (32.0)	1.750 (44.5)	1.750 (44.5)
18	1.063 - 18 UNEF	1.520 (38.6)	.980 (24.9)	1.270 (32.3)	1.875 (47.6)	1.875 (47.6)
20	1.188 - 18 UNEF	1.640 (41.7)	1.010 (25.7)	1.300 (33.0)	1.938 (49.2)	1.938 (49.2)
22	1.313 - 18 UNEF	1.770 (45.0)	1.040 (26.4)	1.330 (33.8)	2.062 (52.4)	2.062 (52.4)
24	1.438 - 18 UNEF	1.890 (48.0)	1.070 (27.2)	1.350 (34.3)	2.125 (54.0)	2.125 (54.0)

TABLE II: Shell Size and Cable Entry for Straight Configuration Only

Shell Size	E Dia Cable Entry Size 01 ±.010 (0.30)	E Dia Cable Entry Size 02 ±.010 (0.30)
08	N/A	.250 (6.4)
10	N/A	.312 (7.9)
12	.312 (7.9)	.438 (11.1)
14	.438 (11.1)	.562 (14.3)
16	.500 (12.7)	.625 (15.9)
18	.625 (15.9)	.750 (19.1)
20	.625 (15.9)	.812 (20.6)
22	.688 (17.5)	.938 (23.8)
24	.750 (19.1)	1.000 (25.4)

TABLE III: Shell Size and Cable Entry for 45° and 90° Configurations Only

Shell Size	K Dia Cable Entry Size 02 ±.010 (0.30)	K Dia Cable Entry Size 03 ±.010 (0.30)
08	N/A	.250 (6.4)
10	N/A	.312 (7.9)
12	.312 (7.9)	.438 (11.1)
14	.438 (11.1)	.562 (14.3)
16	.500 (12.7)	.625 (15.9)
18	.625 (15.9)	.750 (19.1)
20	.625 (15.9)	.812 (20.6)
22	.688 (17.5)	.938 (23.8)
24	.750 (19.1)	1.000 (25.4)

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Glenair:

M85049/87-14W02	M85049/87-16W02	M85049/87-16P03	M85049/87-10P03	M85049/87-12W02	M85049/87-12W03
M85049/87-14P03	M85049/87-20W03	M85049/87-08P03	M85049/87-12P03	M85049/87-14W03	
M85049/87-18N03	M85049/87-24W02	M85049/86N08N03	M85049/86N08P03	M85049/86N08W03	
M85049/86N10N03	M85049/86N10P03	M85049/86N10W03	M85049/86N12N02	M85049/86N12N03	
M85049/86N12P02	M85049/86N12P03	M85049/86N12W02	M85049/86N12W03	M85049/86N14N02	
M85049/86N14N03	M85049/86N14P02	M85049/86N14P03	M85049/86N14W02	M85049/86N14W03	
M85049/86N16N02	M85049/86N16N03	M85049/86N16P02	M85049/86N16P03	M85049/86N16W02	
M85049/86N16W03	M85049/86N18N02	M85049/86N18N03	M85049/86N18P02	M85049/86N18P03	
M85049/86N18W02	M85049/86N18W03	M85049/86N20N02	M85049/86N20N03	M85049/86N20P02	
M85049/86N20P03	M85049/86N20W02	M85049/86N20W03	M85049/86N22N02	M85049/86N22N03	
M85049/86N22P02	M85049/86N22P03	M85049/86N22W02	M85049/86N22W03	M85049/86N24N02	
M85049/86N24N03	M85049/86N24P02	M85049/86N24P03	M85049/86N24W02	M85049/86N24W03	
M85049/87N08N03	M85049/87N08P03	M85049/87N08W03	M85049/87N10N03	M85049/87N10P03	
M85049/87N10W03	M85049/87N12N02	M85049/87N12N03	M85049/87N12P02	M85049/87N12P03	
M85049/87N12W02	M85049/87N12W03	M85049/87N14N02	M85049/87N14N03	M85049/87N14P02	
M85049/87N14P03	M85049/87N14W02	M85049/87N14W03	M85049/87N16N02	M85049/87N16N03	
M85049/87N16P02	M85049/87N16P03	M85049/87N16W02	M85049/87N16W03	M85049/87N18N02	
M85049/87N18N03	M85049/87N18P02	M85049/87N18P03	M85049/87N18W02	M85049/87N18W03	
M85049/87N20N02	M85049/87N20N03	M85049/87N20P02	M85049/87N20P03	M85049/87N20W02	
M85049/87N20W03	M85049/87N22N02	M85049/87N22N03	M85049/87N22P02		