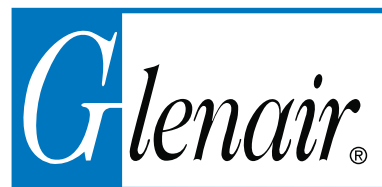


AS85049/82, AS85049/83 and AS85049/84 Straight, 45° and 90° Banding Backshells with Self-Locking Coupling



AS85049

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

M85049/82 = Straight
M85049/83 = 45°
M85049/84 = 90°

— = Detented
N = Non-Detented

Shell Size
(Table I)

Entry Size
(Table I)

M85049/82

N

16

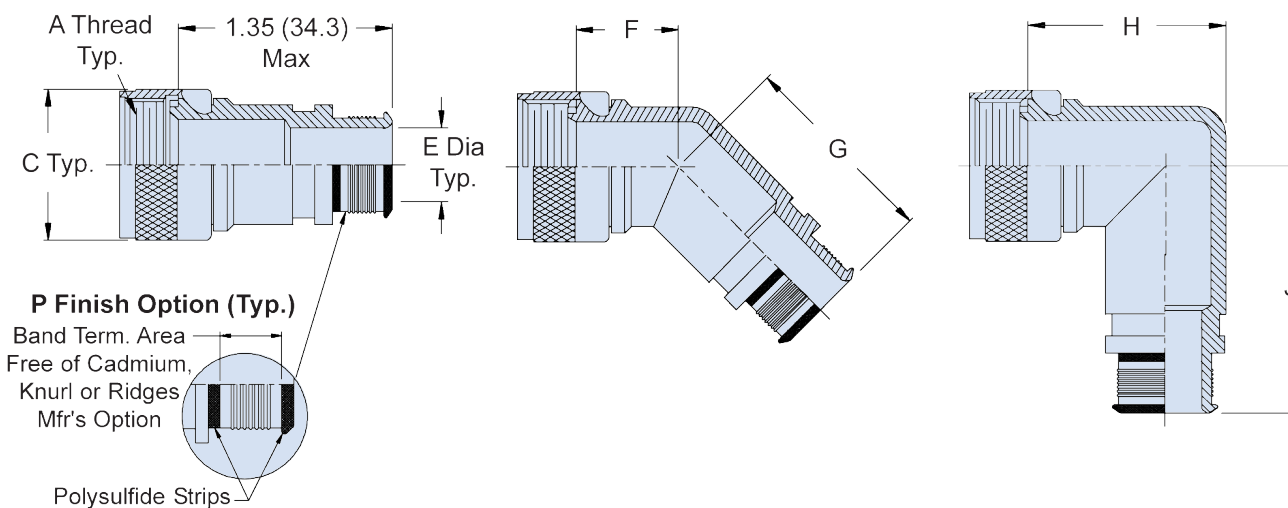
P

02

B

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



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.

© 2013 Glenair, Inc.

Mil-Spec Backshells

U.S. CAGE Code 06324

Rev. 08.25.20

Printed in U.S.A.



AS85049/82, AS85049/83 and AS85049/84 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	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

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

Mouser Electronics

Authorized Distributor

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

Glenair:

M85049/82-28P02	M85049/84-14P02	M85049/84-20P02	M85049/84-18N02	M85049/82N12N02
M85049/82N12P02	M85049/82N12W02	M85049/82N14N02	M85049/82N14P02	M85049/82N14W02
M85049/82N16N02	M85049/82N16W02	M85049/82N18N02	M85049/82N18P02	M85049/82N18W02
M85049/82N20N02	M85049/82N20P02	M85049/82N20W02	M85049/82N22N02	M85049/82N22P02
M85049/82N22W02	M85049/82N24P02	M85049/82N24W02	M85049/82N28N02	M85049/82N28P02
M85049/82N28W02	M85049/83N12N02	M85049/83N12P02	M85049/83N12W02	M85049/83N14N02
M85049/83N14P02	M85049/83N14W02	M85049/83N16N02	M85049/83N16P02	M85049/83N16W02
M85049/83N18N02	M85049/83N18P02	M85049/83N18W02	M85049/83N20N02	M85049/83N20P02
M85049/83N20W02	M85049/83N22N02	M85049/83N22P02	M85049/83N22W02	M85049/83N24N02
M85049/83N24P02	M85049/83N24W02	M85049/83N28N02	M85049/83N28P02	M85049/83N28W02
M85049/84N12N02	M85049/84N12P02	M85049/84N12W02	M85049/84N14N02	M85049/84N14P02
M85049/84N16N02	M85049/84N16P02	M85049/84N16W02	M85049/84N18N02	M85049/84N18P02
M85049/84N18W02	M85049/84N20N02	M85049/84N20P02	M85049/84N20W02	M85049/84N22N02
M85049/84N22P02	M85049/84N22W02	M85049/84N24N02	M85049/84N24P02	M85049/84N24W02
M85049/84N28N02	M85049/84N28P02	M85049/84N28W02	M85049/83-28N02	M85049/84-28P02
M85049/83-12W02	M85049/84-24P02	M85049/83-14P02	M85049/83-14W02	M85049/82-28W02
M85049/83-16W02	M85049/83-12P02	M85049/83-16N02	M85049/83-16P02	M85049/82-22P02
M85049/83-20P02	M85049/84-22N02	M85049/83-12N02	M85049/83-14N02	M85049/83-28P02
M85049/83-22N02	M85049/83-22P02	M85049/83-24P02	M85049/83-24W02	M85049/82-18P02
M85049/83-18P02	M85049/84-22P02	M85049/82-24P02	M85049/83-18W02	M85049/83-24N02