

AS85049/37 and M38999/8 90° EMI/RFI Non-Environmental Backshell



AS85049

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I and II

Finish

N = Electroless Nickel

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

X = Nickel Fluorocarbon Polymer

Z = Zinc-Nickel, Black

M85049/37

10

W

03

L

Basic
Part Number

Shell Size
(Table I)

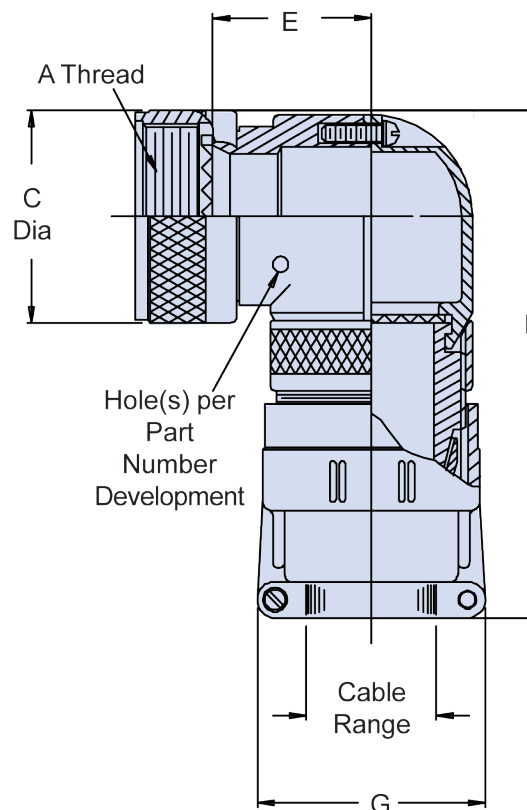
Clamp Size
(Table I)

D = 3 Drain Holes
L = Encapsulating
Hole

Shell Size Series II	Series I Shell Size Ref.	A Thread Class 2B	C Dia Max
08	09	.438 - 28 UNEF	.750 (19.1)
10	11	.562 - 24 UNEF	.850 (21.6)
12	13	.688 - 24 UNEF	1.000 (25.4)
14	15	.813 - 20 UNEF	1.100 (27.9)
16	17	.938 - 20 UNEF	1.250 (31.8)
18	19	1.063 - 18 UNEF	1.400 (35.6)
20	21	1.188 - 18 UNEF	1.500 (38.1)
22	23	1.313 - 18 UNEF	1.650 (41.9)
24	25	1.438 - 18 UNEF	1.750 (44.5)

Shell Size Series II	Series I Shell Size Ref.	E Max	F Max	Clamp Size Min	Clamp Size Max
8	09	.720 (18.3)	2.50 (63.5)	01	02
10	11	.720 (18.3)	2.50 (63.5)	01	03
12	13	.800 (20.3)	2.56 (65.0)	02	04
14	15	.850 (21.6)	2.69 (68.3)	02	05
16	17	.910 (23.1)	2.81 (71.4)	02	06
18	19	1.000 (25.4)	3.03 (77.0)	03	06
20	21	1.050 (26.7)	3.19 (81.0)	03	07
22	23	1.100 (27.9)	3.31 (84.1)	03	08
24	25	1.200 (30.5)	3.31 (84.1)	04	09

Clamp Size	Cable Range Min	Cable Range Max	G Max
01	.062 (1.6)	.125 (3.2)	.781 (19.8)
02	.125 (3.2)	.250 (6.4)	.969 (24.6)
03	.250 (6.4)	.375 (9.5)	1.062 (27.0)
04	.312 (7.9)	.500 (12.7)	1.156 (29.4)
05	.437 (11.1)	.625 (15.9)	1.250 (31.8)
06	.562 (14.3)	.750 (19.1)	1.375 (34.9)
07	.687 (17.4)	.875 (22.2)	1.500 (38.1)
08	.812 (20.6)	1.000 (25.4)	1.625 (41.3)
09	.937 (23.8)	1.125 (28.6)	1.750 (44.5)



APPLICATION NOTES

- For complete dimensions see the applicable Military Specification.
- Metric dimensions (mm) are in parentheses.
- Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

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

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Mil-Spec Backshells

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