

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



EMI/RFI Non-Environ.
Backshells

CONNECTOR DESIGNATOR:

F

MIL-DTL-38999, Series I & II
40M38277, PAN 6433-1
PATT 614, PATT 616
NFC93422 Series HE308 and HE309

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

TABLE I: Shell Size

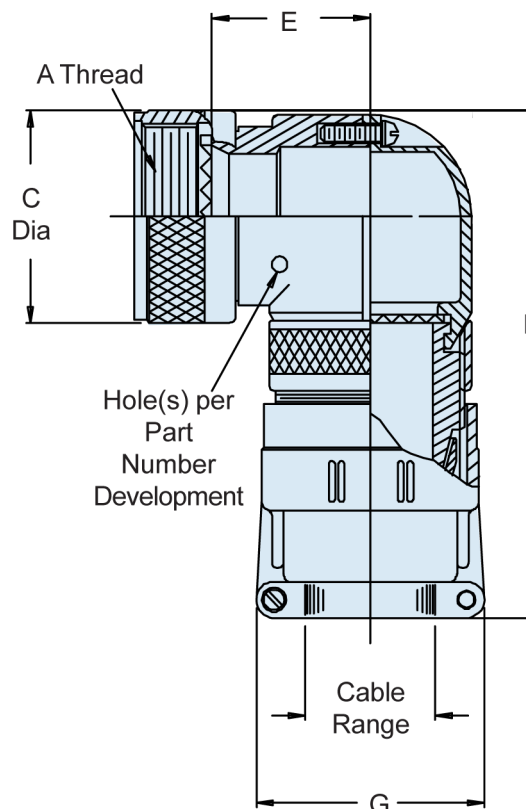
Shell Size Series II	Series I Shell Size Ref.	A Thread Class 2B	C Dia Max
08	09	.438 - 28 UNEF	.750 (19.1)
10	11	.562 - 24 UNEF	.850 (21.6)
12	13	.688 - 24 UNEF	1.000 (25.4)
14	15	.813 - 20 UNEF	1.100 (27.9)
16	17	.938 - 20 UNEF	1.250 (31.8)
18	19	1.063 - 18 UNEF	1.400 (35.6)
20	21	1.188 - 18 UNEF	1.500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

TABLE II: Clamp Size and Dimensions

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

TABLE II: Clamp Size and Dimensions

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)
10	1.062 (27.0)	1.250 (31.8)	1.875 (47.6)



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.

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