

# M85049/87 Type 90° Banding Backshell

Ry85049 Series • M85049 Type Backshells

## Ry85049/87 - 14 N 02

1 2 3 4 5

**1 BASIC PART NUMBER**  
**RY85049/87**  
 M85049/87 type  
 90° banding backshell  
 (Supersedes MIL-C-85049/87)

**2 CONFIGURATION**  
**N** Non-detented  
 (Use dash for detented)

**3 SHELL SIZE**  
 See Dimensions table below

**4 MATERIAL & FINISH**  
**N** Aluminum, electroless nickel  
**P** Aluminum, olive drab cadmium over electroless nickel with polysulfide sealant strips  
**W** Aluminum, olive drab cadmium over electroless nickel  
**X** Aluminum, nickel fluorocarbon polymer  
**YP** Aluminum, pure dense electrodeposited aluminum with polysulfide sealant strips  
**Z** Aluminum, black zinc-nickel  
**ZP** Aluminum, zinc nickel with polysulfide sealant strips

**5 ENTRY SIZE**  
**02 - 03** See Dimensions table below



Photo for example only

### Ry85049/87 Compatibility

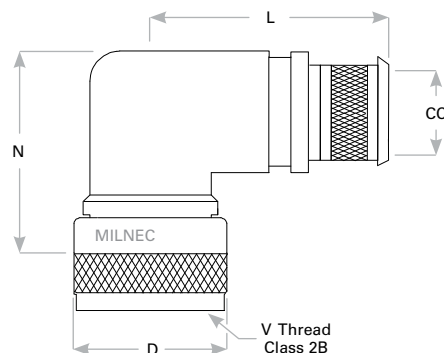
Compatible Connector Series

MIL-DTL-38999 Series I & II

### Ry85049/87 Dimensions

Shell Size	V Thread Class 2B	D Max	N Max	L Max	CC Cable Entry Size 02	CC Cable Entry Size 03
08	0.500 - 20 UNF	0.880 (22.4)	1.375 (34.9)	1.417 (36.0)	N/A	0.250 (6.4)
10	0.625 - 24 UNEF	1.010 (25.7)	1.437 (36.5)	1.480 (37.6)	N/A	0.312 (7.9)
12	0.750 - 20 UNEF	1.130 (28.7)	1.562 (39.7)	1.553 (39.4)	0.312 (7.9)	0.438 (11.1)
14	0.875 - 20 UNEF	1.260 (32.0)	1.687 (42.8)	1.614 (41.0)	0.438 (11.1)	0.562 (14.3)
16	1.000 - 20 UNEF	1.380 (35.1)	1.750 (44.5)	1.678 (42.6)	0.500 (12.7)	0.625 (15.9)
18	1.062 - 18 UNEF	1.510 (38.4)	1.875 (47.6)	1.733 (44.0)	0.625 (15.9)	0.750 (19.1)
20	1.188 - 18 UNEF	1.630 (41.4)	1.938 (49.2)	1.796 (45.6)	0.625 (15.9)	0.812 (20.6)
22	1.313 - 18 UNEF	1.760 (44.7)	2.062 (52.4)	1.859 (47.2)	0.688 (17.5)	0.938 (23.8)
24	1.438 - 18 UNEF	1.880 (47.8)	2.125 (54.0)	1.919 (48.7)	0.750 (19.1)	1.000 (25.4)
28	1.750 - 18 UNS	2.130 (54.1)	2.531 (64.3)	2.042 (51.9)	0.875 (22.2)	1.125 (28.6)

Dimensions are in inches (mm).



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