

# M85049/83 Type 45° Banding Backshell

RY85049 Series • M85049 Type Backshells

## RY85049/83 N 14 N 02

- 1 **BASIC PART NUMBER**  
**RY85049/83**  
 M85049/83 type  
 45° banding backshell  
 (Supersedes MIL-C-85049/83)
- 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** See Dimensions table below  
**03** See Dimensions table below



Photo for example only

### RY85049/83 Compatibility

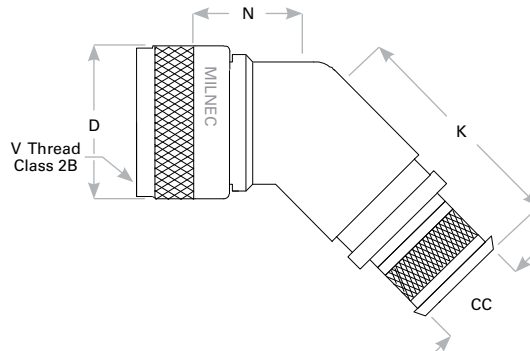
#### Compatible Connector Series

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

### RY85049/83 Dimensions

Shell Size	V Thread Class 2B	D Max	N Max	K Max	CC Cable Entry Size 02	CC Cable Entry Size 03
08	0.500 - 20 UNF	0.880 (22.4)	0.870 (22.1)	1.160 (29.5)	N/A	0.250 (6.4)
10	0.625 - 24 UNEF	1.010 (25.7)	0.890 (22.6)	1.180 (30.0)	N/A	0.312 (7.9)
12	0.750 - 20 UNEF	1.130 (28.7)	0.920 (23.4)	1.200 (30.5)	0.312 (7.9)	0.438 (11.1)
14	0.875 - 20 UNEF	1.260 (32.0)	0.940 (23.9)	1.220 (31.0)	0.438 (11.1)	0.562 (14.3)
16	1.000 - 20 UNEF	1.380 (35.1)	0.960 (24.4)	1.250 (31.8)	0.500 (12.7)	0.625 (15.9)
18	1.062 - 18 UNEF	1.510 (38.4)	0.980 (24.9)	1.260 (32.0)	0.625 (15.9)	0.750 (19.1)
20	1.188 - 18 UNEF	1.630 (41.4)	1.000 (25.4)	1.290 (32.8)	0.625 (15.9)	0.812 (20.6)
22	1.313 - 18 UNEF	1.760 (44.7)	1.030 (26.2)	1.310 (33.3)	0.688 (17.5)	0.938 (23.8)
24	1.438 - 18 UNEF	1.880 (47.8)	1.050 (26.7)	1.340 (34.0)	0.750 (19.1)	1.000 (25.4)
28	1.750 - 18 UNS	2.130 (54.1)	1.100 (27.9)	1.380 (35.1)	0.875 (22.2)	1.125 (28.6)

Dimensions are in inches (mm).



Rev. 1825