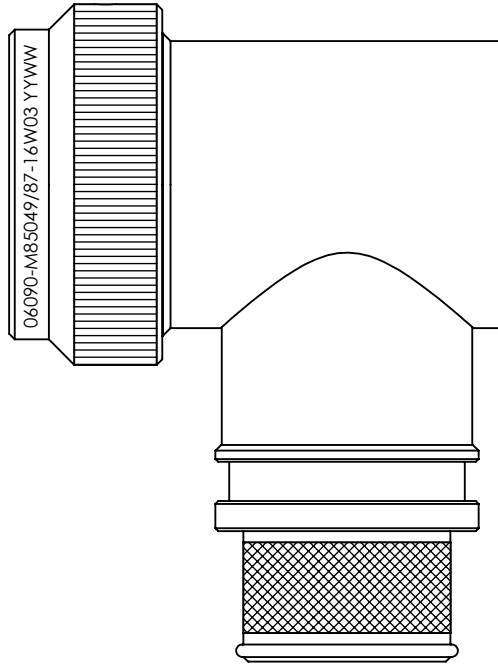


## REVISIONS



## SELF-LOCKING SHIELD BAND TERMINATION SHRINK BOOT ACCOMMODATION 90° ADAPTOR

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR, AND DESIGNED TO MEET REQUIREMENTS OF AS85049/87.
2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/87 DESIGNATION. e.g. M85049/87-16W03.
3. THIS ADAPTOR MATES TO CONNECTOR MIL-DTL-38999 SERIES I & II.
4. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
5. CATEGORY 3B - MEDIUM DUTY - NON-ENVIRONMENTAL
6. FOR MATERIALS AND PLATING FINISHES INFORMATION REFER TO R85049.  
FOR ALTERNATIVE MATERIALS AND PLATING FINISHES CONTACT TE CONNECTIVITY.

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|                                                                                                             |                              |                                                                                                                                                             |                    |                                                                                                           |                 |           |
|-------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------|-----------------|-----------|
| DIMENSIONS:<br>INCHES                                                                                       | DWN: N.HAWKINS<br>06/06/2019 | MATERIAL: SEE P/N BREAKDOWN                                                                                                                                 |                    | FINISH: SEE P/N BREAKDOWN                                                                                 |                 |           |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>GENERAL TOL<br>LINEAR $\pm 0.01"$<br>ANGULAR $\pm 1^\circ$ | CHK: R.STYLES<br>14/06/2019  |  TE Connectivity                                                        |                    |                                                                                                           |                 |           |
|                                                                                                             | APVD: M.PAUL<br>27/06/2019   | PART NUMBER:<br>R85049/87 SERIES                                                                                                                            |                    |                                                                                                           |                 |           |
|                                                                                                             | PRODUCT SPEC:<br>-           | NAME: Connector Accessories, Electrical, Backshell, 90 Deg,<br>Self-Locking, Shield Band Termination (RFI/EMI),<br>Shrink Sleeve Accommodation, Category 3B |                    |                                                                                                           |                 |           |
|                                                                                                             | APPLICATION SPEC:<br>-       |                                                                                                                                                             |                    |                                                                                                           |                 |           |
|                                                                                                             | WEIGHT:                      | SIZE<br>A4                                                                                                                                                  | CAGE CODE<br>06090 | DRAWING NO<br> -P45765 | RESTRICTED TO   |           |
|                          | CUSTOMER DRAWING             |                                                                                                                                                             |                    | SCALE<br>1.5:1                                                                                            | SHEET<br>1 OF 2 | REV<br>BA |



## REVISIONS

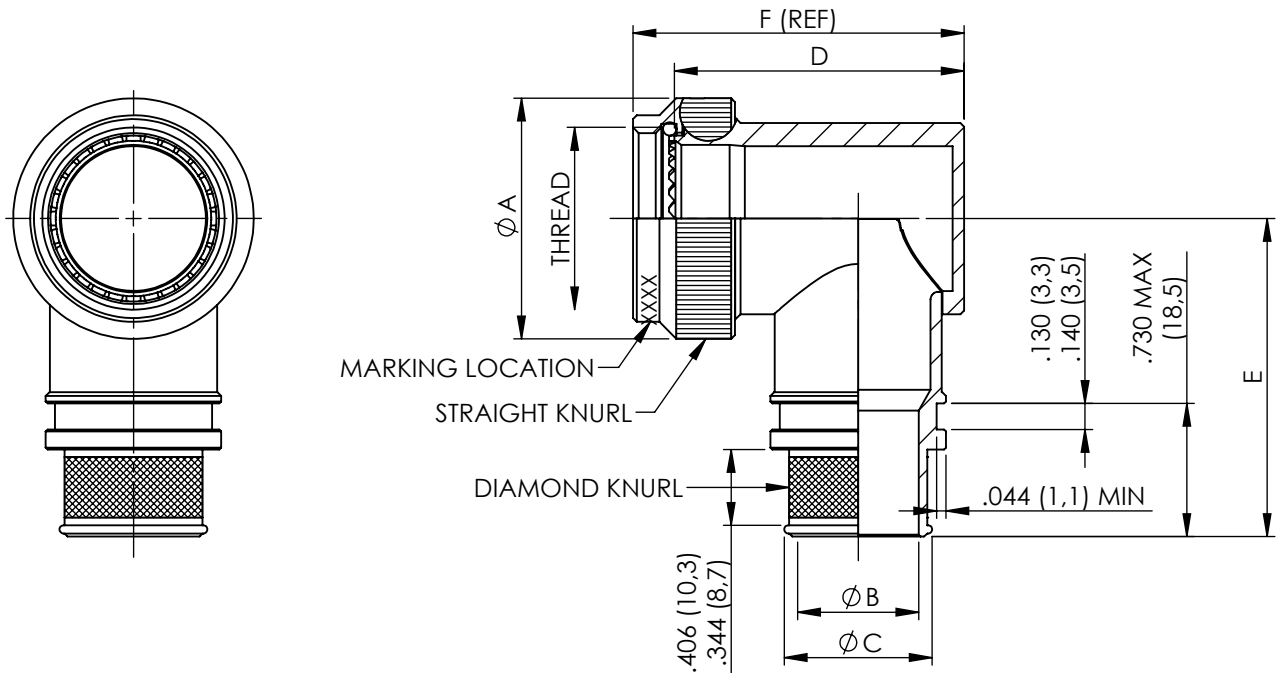


TABLE 1

| ACCESSORY<br>SHELL SIZE | CONNECTOR SHELL SIZE      |                            | THREAD         | A<br>MAX<br>DIA | B DIA $\pm .010$<br>ENTRY SIZE |               | C DIA<br>REF |               | D<br>MAX     | E<br>MAX     | F<br>REF     |
|-------------------------|---------------------------|----------------------------|----------------|-----------------|--------------------------------|---------------|--------------|---------------|--------------|--------------|--------------|
|                         | MIL-DTL-38999<br>SERIES I | MIL-DTL-38999<br>SERIES II |                |                 | 02                             | 03            | 02           | 03            |              |              |              |
| 08                      | 9                         | 8                          | 7/16-28 UNEF   | .859 (21.82)    | N/A                            | .250 (6.35)   | N/A          | .395 (10.03)  | 1.375 (34.9) | 1.417 (36.0) | 1.563 (39.7) |
| 10                      | 11                        | 10                         | 9/16-24 UNEF   | .986 (25.04)    | N/A                            | .312 (7.92)   | N/A          | .457 (11.61)  | 1.437 (36.5) | 1.480 (37.6) | 1.625 (41.3) |
| 12                      | 13                        | 12                         | 11/16-24 UNEF  | 1.156 (29.36)   | .312 (7.92)                    | .438 (11.13)  | .457 (11.61) | .583 (14.81)  | 1.562 (39.7) | 1.553 (39.4) | 1.750 (44.5) |
| 14                      | 15                        | 14                         | 13/16-20 UNEF  | 1.281 (32.54)   | .438 (11.13)                   | .562 (14.27)  | .583 (14.81) | .707 (17.96)  | 1.687 (42.8) | 1.614 (41.0) | 1.875 (47.6) |
| 16                      | 17                        | 16                         | 15/16-20 UNEF  | 1.406 (35.71)   | .500 (12.70)                   | .625 (15.88)  | .645 (16.38) | .770 (19.56)  | 1.750 (44.5) | 1.678 (42.6) | 1.938 (49.2) |
| 18                      | 19                        | 18                         | 1 1/16-18 UNEF | 1.516 (38.51)   | .625 (15.88)                   | .750 (19.05)  | .770 (19.56) | .895 (22.73)  | 1.875 (47.6) | 1.733 (44.0) | 2.063 (52.4) |
| 20                      | 21                        | 20                         | 1 3/16-18 UNEF | 1.641 (41.68)   | .625 (15.88)                   | .812 (20.62)  | .770 (19.56) | .957 (24.31)  | 1.938 (49.2) | 1.796 (45.6) | 2.126 (54.0) |
| 22                      | 23                        | 22                         | 1 5/16-18 UNEF | 1.766 (44.86)   | .688 (17.48)                   | .938 (23.83)  | .829 (21.06) | 1.083 (27.51) | 2.062 (52.4) | 1.859 (47.2) | 2.250 (57.2) |
| 24                      | 25                        | 24                         | 1 7/16-18 UNEF | 1.891 (48.03)   | .750 (19.05)                   | 1.000 (25.40) | .895 (22.73) | 1.145 (29.08) | 2.125 (54.0) | 1.919 (48.7) | 2.313 (58.8) |

METRIC EQUIVALENTS ARE IN PARENTHESIS AND ARE GIVEN FOR GENERAL INFORMATION ONLY

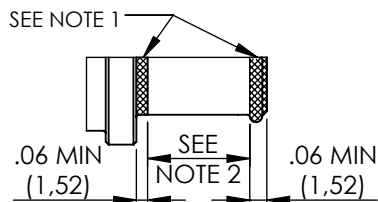
TABLE 2

| CODE | FINISH                                                                              |
|------|-------------------------------------------------------------------------------------|
| N    | ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)                                    |
| W    | CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)          |
| Z    | ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE) |
| P    | CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING)                      |

## NOTES FOR SELECTIVE PLATING: -

1. CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT.
2. AREA FREE OF CADMIUM.

## SELECTIVE PLATING



BASIC PART NUMBER  
SPECIFICATION SHEET  
CONFIGURATION  
- (DASH) FOR SELF-LOCKING  
CONNECTOR SHELL SIZE (TABLE 1)  
FINISH (TABLE 2)  
ENTRY SIZE (TABLE 1)

R85049/87-16W03

DIMENSIONS:  
INCHES

DWN: N.HAWKINS

06/06/2019

MATERIAL: SEE P/N BREAKDOWN

FINISH: SEE P/N BREAKDOWN

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

CHK: R.STYLES

14/06/2019



TE Connectivity

GENERAL TOL  
LINEAR  $\pm .01$ "  
ANGULAR  $\pm 1^\circ$ 

APVD: M.PAUL

27/06/2019

PART NUMBER:

R85049/87 SERIES

PRODUCT SPEC:

NAME: Connector Accessories, Electrical, Backshell, 90 Deg, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Sleeve Accommodation, Category 3B

APPLICATION SPEC:

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT:

A4

06090

C=P45765

CUSTOMER DRAWING

SCALE

1:1

SHEET

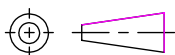
2

OF

2

REV

BA



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