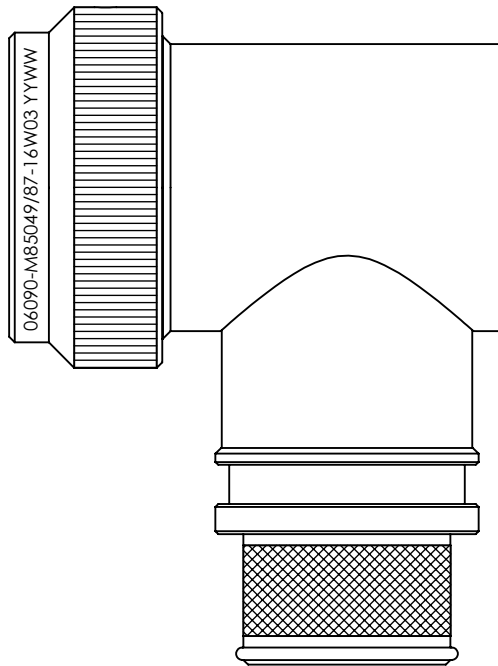


REVISIONS



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.



RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

THIS DRAWING IS UNPUBLISHED.

COPYRIGHT 20 BY



| | | | | | | | |
|---|--|------------------------------|---|--------------------|---------------------------|-----------------|-----------|
| DIMENSIONS: INCHES | | DWN: N.HAWKINS 06/06/2019 | MATERIAL: SEE P/N BREAKDOWN | | FINISH: SEE P/N BREAKDOWN | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: GENERAL TOL LINEAR ±.01" ANGULAR ±1° | | CHK: R.STYLES 14/06/2019 |  TE Connectivity | | | | |
| | | 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: - | | | | | |
| | | WEIGHT: | SIZE A4 | CAGE CODE 06090 | DRAWING NO C-P45765 | RESTRICTED TO | |
|  | | CUSTOMER DRAWING | | | SCALE 1.5:1 | SHEET 1 OF 2 | REV BA |

REVISIONS

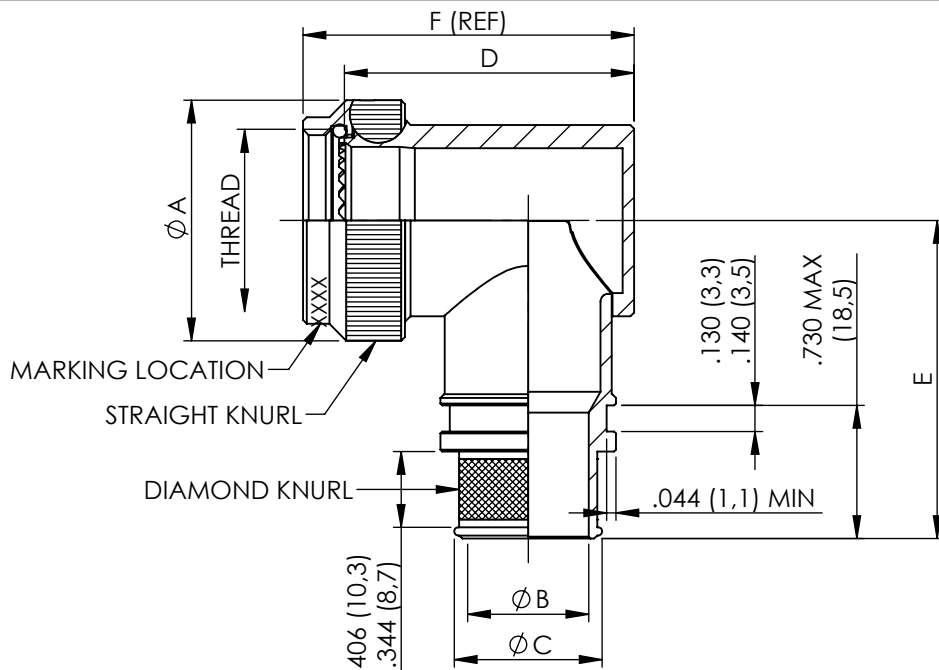
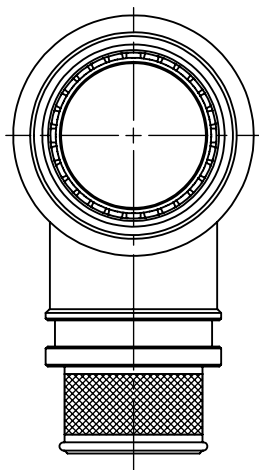


TABLE 1

| ACCESSORY SHELL SIZE | CONNECTOR SHELL SIZE | | THREAD | A MAX DIA | B DIA $\pm .010$ ENTRY SIZE | | C DIA REF | | D MAX | E MAX | F REF |
|-------------------------|---------------------------|----------------------------|----------------|-----------------|--------------------------------|---------------|--------------|---------------|--------------|--------------|--------------|
| | MIL-DTL-38999 SERIES I | MIL-DTL-38999 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

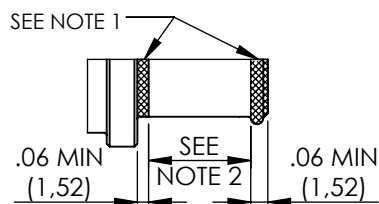
TABLE 2

| 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

APVD: M.PAUL

27/06/2019

PART NUMBER:

R85049/87 SERIES

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

PRODUCT SPEC:

APPLICATION SPEC:

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

WEIGHT:

SIZE
A4CAGE CODE
06090DRAWING NO
C-P45765

RESTRICTED TO

CUSTOMER DRAWING

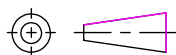
SCALE
1:1SHEET
2 OF 2REV
BA

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

THIS DRAWING IS UNPUBLISHED.

COPYRIGHT 20 BY



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[R85049/87-20N03](#)