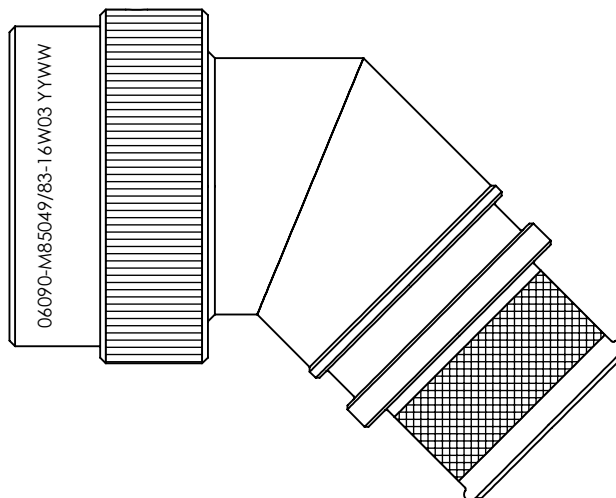


## REVISIONS



## SELF-LOCKING SHIELD BAND TERMINATION SHRINK BOOT ACCOMMODATION 45° ADAPTOR

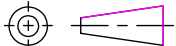
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR, AND DESIGNED TO MEET REQUIREMENTS OF AS85049/83.
2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/83 DESIGNATION. e.g. M85049/83-16W03.
3. THIS ADAPTOR MATES TO CONNECTOR SAE-AS50151 CRIMP, MIL-DTL-26482 SERIES 2, SAE-AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III.
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<br><br>TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>GENERAL TOL<br>LINEAR $\pm 0.01"$<br>ANGULAR $\pm 1^\circ$ | DWN: N.HAWKINS    | 05/06/2019 | MATERIAL: SEE P/N BREAKDOWN                                                                                                                           | FINISH: SEE P/N BREAKDOWN |
|                                                                                                                                          | CHK: R.STYLES     | 14/06/2019 |  <b>TE Connectivity</b>                                           |                           |
|                                                                                                                                          | APVD: M.PAUL      | 27/06/2019 |                                                                                                                                                       |                           |
|                                                                                                                                          | PRODUCT SPEC:     | -          | PART NUMBER: R85049/83 SERIES                                                                                                                         |                           |
|                                                                                                                                          | APPLICATION SPEC: | -          | NAME: Connector Accessories, Electrical, Backshell, 45 Deg, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Sleeve Accommodation, Category 3B |                           |
|                                                       | WEIGHT:           | -          | SIZE                                                                                                                                                  | CAGE CODE                 |
|                                                                                                                                          | CUSTOMER DRAWING  | -          | A4                                                                                                                                                    | 06090                     |
|                                                                                                                                          |                   |            | DRAWING NO                                                                                                                                            | RESTRICTED TO             |
|                                                                                                                                          |                   |            | ©-P45757                                                                                                                                              |                           |
|                                                                                                                                          |                   |            | SCALE                                                                                                                                                 | SHEET                     |
|                                                                                                                                          |                   |            | 1.5:1                                                                                                                                                 | 1 OF 2                    |
|                                                                                                                                          |                   |            | REV                                                                                                                                                   | CA                        |

## REVISIONS

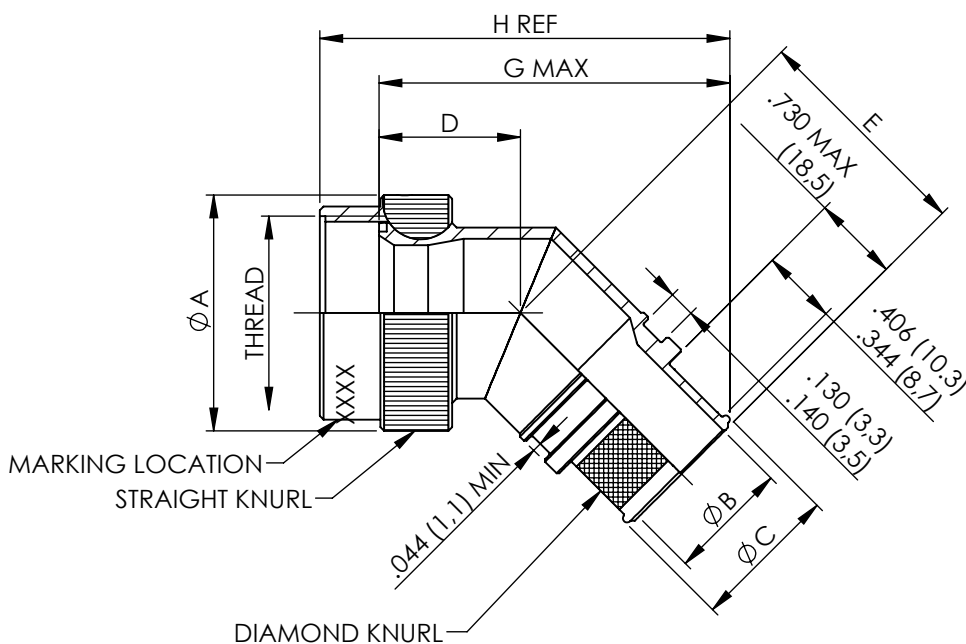
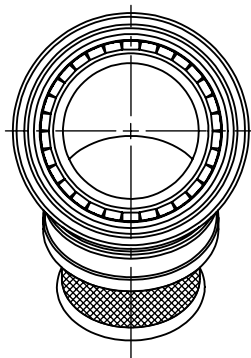


TABLE 1

| ACCESSORY SHELL SIZE | FOR CONNECTOR SHELL SIZE (REF) |                               |                  |                                 | THREAD         | A<br>MAX<br>DIA  | B DIA $\pm .010$<br>ENTRY SIZE |                  | C DIA<br>REF     |                  | D<br>MAX        | E<br>MAX        | G MAX. WITH C    |                  | H (REF) WITH C   |                  |
|----------------------|--------------------------------|-------------------------------|------------------|---------------------------------|----------------|------------------|--------------------------------|------------------|------------------|------------------|-----------------|-----------------|------------------|------------------|------------------|------------------|
|                      | AS81703<br>SERIES 3            | MIL-DTL-<br>26482<br>SERIES 2 | AS50151<br>CRIMP | MIL-DTL-<br>83723<br>SERIES III |                |                  | 02                             | 03               | 02               | 03               |                 |                 | 02               | 03               | 02               | 03               |
| 08                   | ---                            | 8                             | 8S               | 8                               | 1/2-20 UNEF    | .885<br>(22.48)  | N/A                            | .250<br>(6.35)   | N/A              | .395<br>(10.03)  | .87<br>(22.10)  | 1.16<br>(29.46) | N/A              | 1.830<br>(46.48) | N/A              | 2.135<br>(54.23) |
| 10                   | ---                            | 10                            | 10S, 10SL        | 10                              | 5/8-24 UNEF    | 1.010<br>(25.65) | N/A                            | .312<br>(7.92)   | N/A              | .457<br>(11.61)  | .89<br>(22.61)  | 1.18<br>(29.97) | N/A              | 1.886<br>(47.90) | N/A              | 2.191<br>(55.65) |
| 12                   | 7                              | 12                            | 12S AND 12       | 12                              | 3/4-20 UNEF    | 1.135<br>(28.83) | .312<br>(7.92)                 | .438<br>(11.13)  | .457<br>(11.61)  | .583<br>(14.81)  | .92<br>(23.37)  | 1.20<br>(30.48) | 1.930<br>(49.02) | 1.975<br>(50.17) | 2.235<br>(56.77) | 2.280<br>(57.91) |
| 14                   | 12                             | 14                            | 14S AND 14       | 14                              | 7/8-20 UNEF    | 1.260<br>(32.00) | .438<br>(11.13)                | .562<br>(14.27)  | .583<br>(14.81)  | .707<br>(17.96)  | .94<br>(23.88)  | 1.22<br>(30.99) | 2.009<br>(51.03) | 2.053<br>(52.15) | 2.314<br>(58.78) | 2.358<br>(59.89) |
| 16                   | 19                             | 16                            | 16S AND 16       | 16                              | 1-20 UNEF      | 1.385<br>(35.18) | .500<br>(12.70)                | .625<br>(15.88)  | .645<br>(16.38)  | .770<br>(19.56)  | .96<br>(24.38)  | 1.25<br>(31.75) | 2.072<br>(52.63) | 2.116<br>(53.75) | 2.377<br>(60.38) | 2.421<br>(61.49) |
| 18                   | 27                             | 18                            | 18               | 18                              | 1 1/16-18 UNEF | 1.510<br>(38.35) | .625<br>(15.88)                | .750<br>(19.05)  | .770<br>(19.56)  | .895<br>(22.73)  | .98<br>(24.89)  | 1.26<br>(32.00) | 2.143<br>(54.43) | 2.187<br>(55.55) | 2.448<br>(62.18) | 2.492<br>(63.30) |
| 20                   | 37                             | 20                            | 20               | 20                              | 1 3/16-18 UNEF | 1.635<br>(41.53) | .625<br>(15.88)                | .812<br>(20.62)  | .770<br>(19.56)  | .957<br>(24.31)  | 1.00<br>(25.40) | 1.29<br>(32.77) | 2.184<br>(55.47) | 2.251<br>(57.18) | 2.489<br>(63.22) | 2.556<br>(64.92) |
| 22                   | ---                            | 22                            | 22               | 22                              | 1 5/16-18 UNEF | 1.760<br>(44.70) | .688<br>(17.48)                | .938<br>(23.83)  | .829<br>(21.06)  | 1.083<br>(27.51) | 1.03<br>(26.16) | 1.31<br>(33.27) | 2.249<br>(57.12) | 2.339<br>(59.41) | 2.554<br>(64.87) | 2.644<br>(67.16) |
| 24                   | ---                            | 24                            | 24               | 24                              | 1 7/16-18 UNEF | 1.885<br>(47.88) | .750<br>(19.05)                | 1.000<br>(25.40) | .895<br>(22.73)  | 1.145<br>(29.08) | 1.05<br>(26.67) | 1.34<br>(34.04) | 2.314<br>(58.78) | 2.402<br>(61.01) | 2.619<br>(66.52) | 2.707<br>(68.76) |
| 28                   | ---                            | ---                           | 28               | ---                             | 1 3/4-18 UNS   | 2.135<br>(54.23) | .875<br>(22.23)                | 1.125<br>(28.58) | 1.020<br>(25.91) | 1.270<br>(32.26) | 1.10<br>(27.94) | 1.38<br>(35.05) | 2.594<br>(65.89) | 2.683<br>(68.15) | 3.061<br>(77.75) | 3.150<br>(80.01) |

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

TABLE 2

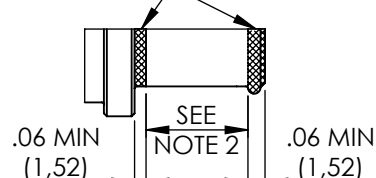
| CODE | FINISH                                                                              |
|------|-------------------------------------------------------------------------------------|
| N    | ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)                                    |
| W    | CADMIUM 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

SEE NOTE 1



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

R85049/83-16W03

DIMENSIONS:  
INCHES

DWN: N.HAWKINS

05/06/2019

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:

R85049/83 SERIES

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

PRODUCT SPEC:

NAME: Connector Accessories, Electrical, Backshell, 45  
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=P45757

CUSTOMER DRAWING

SCALE

1:1

SHEET

2

REV

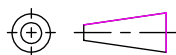
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