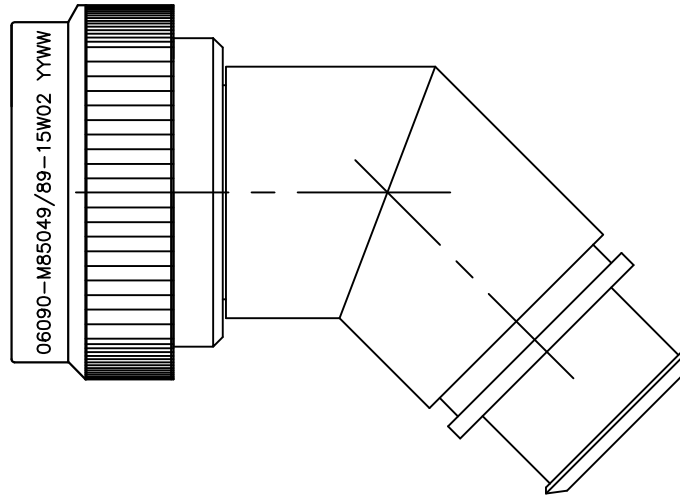


| REVISION |                           |         |          |
|----------|---------------------------|---------|----------|
| REV      | DESCRIPTION               | DATE    | APPROVED |
| A1       | REVISED PER ECO-15-003977 | 3/13/15 | I. MYONG |



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

### NOTES

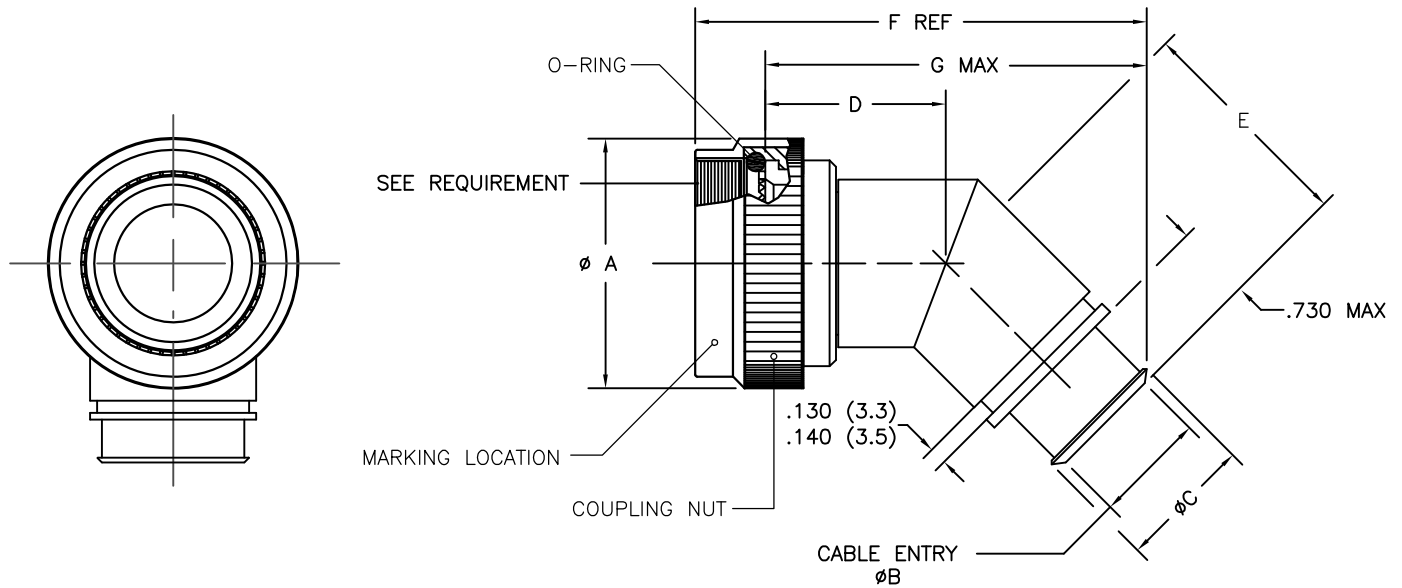
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR, AND DESIGNED TO MEET PERFORMANCE REQUIREMENT OF AS85049/89.
2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/89 DESIGNATION e.g. M85049/89-15W02.
3. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
4. THIS ADAPTER MATES TO CONNECTOR MIL-DTL-38999 SERIES III AND MIL-DTL-38999 SERIES IV.
5. FOR MATERIAL AND FINISH INFORMATION REFER TO R85049.  
FOR ALTERNATIVE MATERIALS AND PLATING FINISHES CONTACT TE CONNECTIVITY.

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|                                                                                                                                                   |                                        |                                                                                                              |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.                                                                                              |                                        |  TE Connectivity        |                  |
| DECIMALS:                                                                                                                                         | .000 ± .005<br>.00 ± .010<br>.0 ± .015 | ANGLES:                                                                                                      | ± 0° 30'         |
| TYCO ELECTRONICS RESERVES THE RIGHT TO AMEND THIS DRAWING AT ANYTIME. USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. |                                        | TITLE:<br>BACKSHELL, 45°, SELF-LOCKING<br>SHIELD BAND TERMINATION, SHRINK<br>BOOT ACCOMMODATION, CATEGORY 3B |                  |
|                                                                                                                                                   |                                        | DRAWING NO:<br><b>R85049/89</b>                                                                              |                  |
| DRAWN:<br>T. NGUYEN                                                                                                                               | CAD FILE:<br>R85049-89_CD.dwg          | CAGE CODE:<br>06090                                                                                          | RPN:<br>N/A      |
| SIZE:<br>A                                                                                                                                        | SCALE:<br>1:1                          | THIRD ANGLE PROJ.                                                                                            | SHEET:<br>1_OF_3 |

PART NUMBERING

|                                |           |   |    |   |    |
|--------------------------------|-----------|---|----|---|----|
|                                | R85049/89 | - | 15 | W | 02 |
| - SPECIFICATION SHEET          |           |   |    |   |    |
| - CONFIGURATION:               |           |   |    |   |    |
| - (DASH) DETENTED SELF-LOCKING |           |   |    |   |    |
| - ORDER NO.                    |           |   |    |   |    |
| - FINISH                       |           |   |    |   |    |
| - ENTRY SIZE                   |           |   |    |   |    |

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|                  |            |             |       |        |                   |
|------------------|------------|-------------|-------|--------|-------------------|
|                  |            | DRAWING NO: |       |        |                   |
|                  |            | R85049/89   |       |        |                   |
| CAD FILE:        | CAGE CODE: | RPN:        | SIZE: | SCALE: | THIRD ANGLE PROJ. |
| R85049-89_CD.DWG | 06090      | N/A         | A     | 1:1    |                   |
|                  |            |             |       |        | SHEET:            |
|                  |            |             |       |        | 2_OF_3            |

TABLE I – SHELL SIZE AND DIMENSIONS

| ORDER<br>NUMBER | SHELL<br>SIZE | ØA MAX      | ØB ±.010 ENTRY SIZE |             | ØC REF     |             |
|-----------------|---------------|-------------|---------------------|-------------|------------|-------------|
|                 |               |             | 02                  | 03          | 02         | 03          |
| 9               | A             | .86 (21.8)  | N/A                 | .25 (6.4)   | N/A        | .39 (10.0)  |
| 11              | B             | .98 (25.0)  | N/A                 | .31 (7.9)   | N/A        | .46 (11.6)  |
| 13              | C             | 1.16 (29.4) | .31 (7.9)           | .44 (11.1)  | .46 (11.6) | .58 (14.8)  |
| 15              | D             | 1.28 (32.5) | .44 (11.1)          | .56 (14.3)  | .58 (14.8) | .71 (18.0)  |
| 17              | E             | 1.41 (35.7) | .50 (12.7)          | .62 (15.9)  | .64 (16.4) | .77 (19.6)  |
| 19              | F             | 1.52 (38.5) | .62 (15.9)          | .75 (19.1)  | .77 (19.6) | .89 (22.7)  |
| 21              | G             | 1.64 (41.7) | .62 (15.9)          | .81 (20.6)  | .77 (19.6) | .96 (24.3)  |
| 23              | H             | 1.77 (44.9) | .69 (17.5)          | .94 (23.8)  | .83 (21.1) | 1.08 (27.5) |
| 25              | J             | 1.89 (48.0) | .75 (19.1)          | 1.00 (25.4) | .89 (22.7) | 1.14 (29.1) |

TABLE I – SHELL SIZE AND DIMENSIONS (CONTINUED)

| ORDER<br>NUMBER | SHELL<br>SIZE | D MAX       | E MAX       | G MAX       |             | F REF       |             |
|-----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 |               |             |             | 02          | 03          | 02          | 03          |
| 9               | A             | 1.01 (25.7) | 1.16 (29.5) | N/A         | 1.97 (50.0) | N/A         | 2.22 (56.3) |
| 11              | B             | 1.03 (26.2) | 1.19 (30.2) | N/A         | 2.03 (51.6) | N/A         | 2.28 (57.9) |
| 13              | C             | 1.06 (26.9) | 1.21 (30.7) | 2.08 (52.8) | 2.12 (53.9) | 2.33 (59.1) | 2.37 (60.2) |
| 15              | D             | 1.08 (27.4) | 1.24 (31.5) | 2.16 (54.9) | 2.21 (56.1) | 2.41 (61.2) | 2.46 (62.4) |
| 17              | E             | 1.11 (28.2) | 1.26 (32.0) | 2.23 (56.6) | 2.27 (57.7) | 2.48 (62.9) | 2.52 (64.0) |
| 19              | F             | 1.12 (28.4) | 1.27 (32.3) | 2.29 (58.2) | 2.33 (59.3) | 2.54 (64.5) | 2.58 (65.6) |
| 21              | G             | 1.15 (29.2) | 1.30 (33.0) | 2.34 (59.5) | 2.41 (61.2) | 2.59 (65.8) | 2.66 (67.5) |
| 23              | H             | 1.17 (29.7) | 1.33 (33.8) | 2.40 (61.1) | 2.49 (63.3) | 2.65 (67.4) | 2.74 (69.6) |
| 25              | J             | 1.20 (30.5) | 1.35 (34.3) | 2.47 (62.8) | 2.56 (65.0) | 2.72 (69.1) | 2.81 (71.3) |

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|                                                                                     |  |             |            |           |       |                                                                                       |                   |
|-------------------------------------------------------------------------------------|--|-------------|------------|-----------|-------|---------------------------------------------------------------------------------------|-------------------|
|  |  | DRAWING NO: |            | R85049/89 |       |                                                                                       |                   |
|                                                                                     |  | CAD FILE:   | CAGE CODE: | RPN:      | SIZE: | SCALE:                                                                                | THIRD ANGLE PROJ. |
| R85049-89_CD.DWG                                                                    |  | 06090       | N/A        | A         | 1:1   |  | SHEET: 3_OF_3     |

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## TE Connectivity:

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[R85049/89-11Z03](#) [R85049/89-25Z03](#) [R85049/89-13Z02](#) [R85049/89-15Z02](#) [R85049/89-17Z03](#) [R85049/89-9Z03](#)  
[R85049/89-21Z03](#) [R85049/89-13Z03](#) [R85049/89-19Z03](#) [R85049/89-23Z03](#)