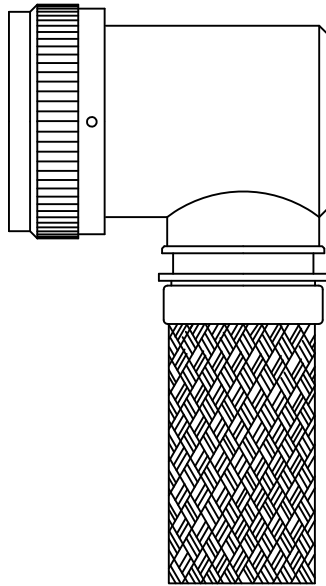


|  |          |                           |            |          |
|--|----------|---------------------------|------------|----------|
| TE CONNECTIVITY (TE) RESERVES THE RIGHT TO CHANGE THIS DRAWING AT ANYTIME. USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. | REVISION |                           |            |          |
|  | LTR      | DESCRIPTION               | DATE       | APPROVED |
|  | R        | REVISED PER ECO-15-003651 | 03/10/2015 | I. MYONG |
|  |          |                           |            |          |



ADAPTER, SHIELD, 90°, CODE 54

NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
2. FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-004.
3. ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENT. NO. AND PART NO. (e.g., 06090-203M212-19A08 YYWW).
- ④ FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
- ⑤ BRAID TERMINATION RING MAY BE SUPPLIED AS TINEL-LOCK SHAPE MEMORY RING AT MANUFACTURER'S OPTION.
- ⑥ ADAPTER MATES TO SAE-AS81703, SERIES III, MS3424, MS3446, MS3464, MS3467, MS3468, CLASS E & L.
- ⑦ ADAPTER MATES TO SAE-AS50151, AS34001 SERIES, CLASS D, E, K, L, U & W: AS34001, AS34011, AS34041, AS34061, AS34501, AS34511, AS34541, AS34561, MS3470, MS3471, MS3472, MS3474, MS3475, MS3476. MIL-DTL-83723, SERIES II, CLASS A & L, MIL-DTL-83723, SERIES I & III, CLASS A, G, K, R & S: M83723/1, /2, /3, /4, /5, /6, /7, /8, /13, /14, /36, /37, /38, /40, /41, /42, /43, /48, /49, /65, /66, /67, /68, /69, /70, /71, /72, /73, /74, /75, /76, /77, /78, /82, /83, /84, /85, /86, /87, /91, /92, /95, /97, /98 (AS31551 CONTROLLED INTERFACE).
- ⑧ WHEN "L" MODIFICATION, OPTION IS SPECIFIED, COUPLING NUT SHALL HAVE 3 LOCK WIRE HOLES, 120° APART.
- ⑨ THESE DIMENSIONS APPLY IF AN ADAPTER MATERIAL IS STAINLESS STEEL.

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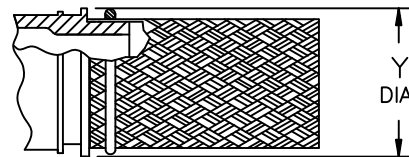
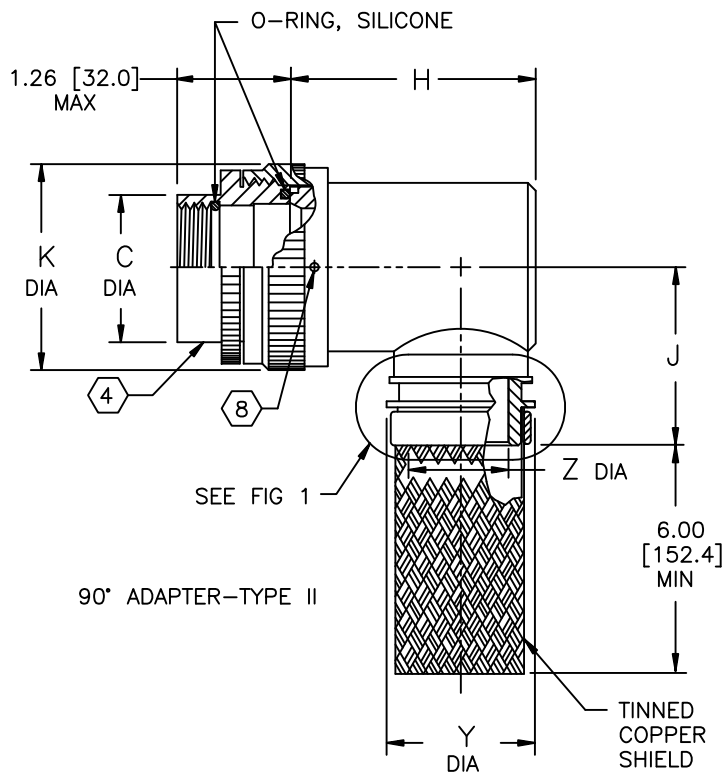
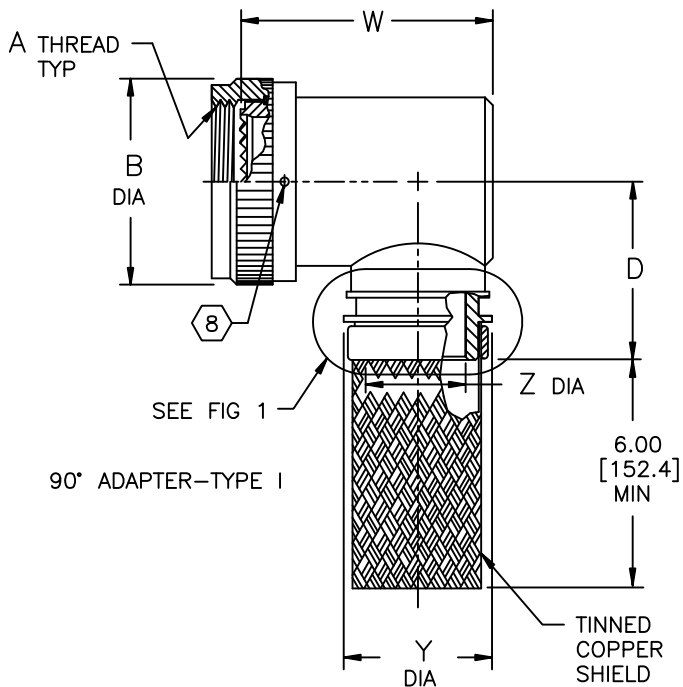
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|  |                       |                         |         |                                      |                  |                     |        |
|--|-----------------------|-------------------------|---------|--------------------------------------|------------------|---------------------|--------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. REFERENCE METRIC DIMENSIONS ARE IN BRACKETS [metric]. | DRAWN: R. RAMIREZ     | DATE: 03/19/1993        |         | TE Connectivity                      |                  |                     |        |
|  | CHECKED:              | DATE:                   |         | TITLE: ADAPTER, SHIELD, 90°, CODE 54 |                  |                     |        |
| DECIMALS TOLERANCES:<br>XXX ± .005 [0.13mm]<br>XX ± .01 [0.25mm]<br>X ± .1 [0.50mm]                        | APPROVED: W. C. GAY   | DATE: 05/19/1993        |         |                                      |                  |                     |        |
| ANGLES TOLERANCE: ± 1°   | MATERIAL: SEE NOTES   | FINISH: SEE NOTES       |         |                                      |                  |                     |        |
| SCALE: DO NOT SCALE THIS DRAWING   | CAD FILE: 203M2XX.dwg | THIRD ANGLE PROJECTION: | SIZE: A | SHEET: 1 OF 4                        | CAGE CODE: 06090 | DRAWING NO: 203M2XX | REV. R |



TINEL-LOCK TERMINATION

FIG 1 5

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|  |                           |      |       |        |          |     |
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|  |                           | A    | 06090 | 2 OF 4 | 203M2XX  | R   |

| TABLE I   |   |   |   |                   |                  |                  |                |                |   |
|-----------|---|---|---|-------------------|------------------|------------------|----------------|----------------|---|
| ORDER NO. | SHELL SIZE  |   | MAX ENTRY SIZE TYPE I <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span> | A THREAD CLASS 2B | B DIA MAX        | C MAX            | D MAX          | W MAX          | W MAX <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">9</span> |
|           | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">6</span> | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">7</span> |   |                   |                  |                  |                |                |   |
| 03        | 3   |   | 04  | .562-24 UNEF      | .669<br>[17.00]  | .695<br>[17.65]  | 1.13<br>[28.7] | 1.06<br>[26.9] | 1.06<br>[26.8]  |
| 08        |   | 8 & 8S  | 04  | .500-20 UNF       | .617<br>[15.67]  | .630<br>[16.00]  | 1.10<br>[27.9] | .98<br>[25.0]  | .90<br>[22.9]   |
| 10        |   | 10, 10S & 10SL  | 05  | .625-24 UNEF      | .734<br>[18.64]  | .757<br>[19.23]  | 1.16<br>[29.5] | 1.06<br>[27.0] | 1.00<br>[25.5]  |
| 12        | 7   | 12 & 12S  | 08  | .750-20 UNEF      | .858<br>[21.79]  | .882<br>[22.40]  | 1.22<br>[31.0] | 1.16<br>[29.5] | 1.13<br>[28.8]  |
| 14        | 12  | 14 & 14S  | 09  | .875-20 UNEF      | .984<br>[24.99]  | 1.007<br>[25.58] | 1.28<br>[32.5] | 1.22<br>[31.0] | 1.22<br>[30.9]  |
| 16        | 19  | 16 & 16S  | 11  | 1.000-20 UNEF     | 1.112<br>[28.24] | 1.132<br>[28.75] | 1.35<br>[34.3] | 1.36<br>[34.5] | 1.34<br>[34.0]  |
| 18        | 27  | 18  | 12  | 1.062-18 UNEF     | 1.218<br>[30.94] | 1.218<br>[30.94] | 1.40<br>[35.6] | 1.48<br>[37.5] | 1.48<br>[37.5]  |
| 20        | 37  | 20  | 14  | 1.188-18 UNEF     | 1.345<br>[34.16] | 1.345<br>[34.16] | 1.46<br>[37.1] | 1.67<br>[42.5] | 1.55<br>[39.3]  |
| 22        |   | 22  | 16  | 1.312-18 UNEF     | 1.468<br>[37.30] | 1.468<br>[37.30] | 1.53<br>[38.9] | 1.75<br>[44.5] | 1.67<br>[42.4]  |
| 24        |   | 24  | 18  | 1.438-18 UNEF     | 1.593<br>[40.46] | 1.593<br>[40.46] | 1.59<br>[40.4] | 1.79<br>[45.5] | 1.78<br>[45.3]  |
| 28        |   | 28  | 22  | 1.750-18 UNS      | 1.969<br>[50.01] | 1.969<br>[50.01] | 1.78<br>[45.2] | 2.15<br>[54.7] | 2.02<br>[51.2]  |
| 32        |   | 32  | 24  | 2.000-18 UNS      | 2.219<br>[56.36] | 2.219<br>[56.36] | 1.90<br>[48.3] | 2.42<br>[61.4] | 2.38<br>[60.5]  |
| 36        |   | 36  | 28  | 2.250-16 UN       | 2.469<br>[62.71] | 2.469<br>[62.71] | 2.03<br>[51.6] | 2.67<br>[67.7] | 2.60<br>[66.0]  |
| 40        |   | 40  | 28  | 2.500-16 UN       | 2.719<br>[69.06] | 2.719<br>[69.06] | 2.15<br>[54.6] | 2.90<br>[73.7] | 2.85<br>[72.5]  |
| 44        |   | 44  | 28  | 2.750-16 UN       | 2.969<br>[75.41] | 2.969<br>[75.41] | 2.28<br>[57.9] | 3.15<br>[80.0] | 2.99<br>[76.0]  |
| 48        |   | 48  | 28  | 3.000-16 UN       | 3.219<br>[81.76] | 3.219<br>[81.76] | 2.40<br>[61.0] | 3.40<br>[86.3] | 3.40<br>[86.3]  |
| 61        | 61  |   | 18  | 1.500-18 UNEF     | 1.653<br>[42.00] | 1.653<br>[42.00] | 1.62<br>[41.1] | 1.90<br>[48.3] | 1.92<br>[48.8]  |

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|   |                                 | A    | 06090 | 3 OF 4 | 203M2XX  | R   |

| TABLE II   |                |                |                |                |                |
|------------|----------------|----------------|----------------|----------------|----------------|
| ENTRY SIZE | K MAX          | Z MAX          | ØY MAX         | J MAX          | H MAX          |
| 03         | NA             | .19<br>[4.8]   | .52<br>[13.1]  | NA             | NA             |
| 04         | NA             | .25<br>[6.4]   | .52<br>[13.1]  | NA             | NA             |
| 05         | .83<br>[21.0]  | .31<br>[7.9]   | .52<br>[13.1]  | 1.16<br>[29.5] | 1.19<br>[30.2] |
| 06         | .83<br>[21.0]  | .38<br>[9.5]   | .70<br>[17.9]  | 1.16<br>[29.5] | 1.19<br>[30.2] |
| 07         | .92<br>[23.4]  | .44<br>[11.1]  | .70<br>[17.9]  | 1.22<br>[31.0] | 1.38<br>[35.1] |
| 08         | .96<br>[24.5]  | .50<br>[12.7]  | .70<br>[17.9]  | 1.22<br>[31.0] | 1.38<br>[35.1] |
| 09         | 1.18<br>[30.0] | .56<br>[14.3]  | .70<br>[17.9]  | 1.35<br>[34.3] | 1.51<br>[38.4] |
| 10         | 1.18<br>[30.0] | .63<br>[15.9]  | .95<br>[24.2]  | 1.35<br>[34.3] | 1.51<br>[38.4] |
| 11         | 1.28<br>[32.5] | .69<br>[17.5]  | .95<br>[24.2]  | 1.40<br>[35.6] | 1.63<br>[41.4] |
| 12         | 1.35<br>[34.3] | .75<br>[19.1]  | .95<br>[24.2]  | 1.40<br>[35.6] | 1.63<br>[41.4] |
| 13         | 1.41<br>[35.8] | .81<br>[20.6]  | .95<br>[24.2]  | 1.46<br>[37.1] | 1.78<br>[45.2] |
| 14         | 1.41<br>[35.8] | .88<br>[22.2]  | 1.20<br>[30.6] | 1.46<br>[37.1] | 1.78<br>[45.2] |
| 15         | 1.60<br>[40.6] | .94<br>[23.8]  | 1.20<br>[30.6] | 1.53<br>[38.9] | 1.88<br>[47.8] |
| 16         | 1.60<br>[40.6] | 1.00<br>[25.4] | 1.20<br>[30.6] | 1.53<br>[38.9] | 1.88<br>[47.8] |
| 17         | 1.57<br>[40.0] | 1.06<br>[27.0] | 1.31<br>[33.2] | 1.39<br>[35.2] | 1.72<br>[43.7] |
| 18         | 1.66<br>[42.2] | 1.13<br>[28.6] | 1.31<br>[33.2] | 1.59<br>[40.4] | 2.01<br>[51.1] |
| 20         | 1.71<br>[43.5] | 1.25<br>[31.8] | 1.65<br>[42.0] | 1.44<br>[36.7] | 1.83<br>[46.4] |
| 21         | 2.23<br>[56.6] | 1.38<br>[35.0] | 1.65<br>[42.0] | 1.85<br>[47.0] | 2.29<br>[58.2] |
| 22         | 2.23<br>[56.6] | 1.38<br>[35.0] | 1.65<br>[42.0] | 1.85<br>[47.0] | 2.29<br>[58.2] |
| 24         | 2.23<br>[56.6] | 1.50<br>[38.1] | 1.65<br>[42.0] | 1.92<br>[48.8] | 2.42<br>[61.5] |
| 28         | 2.48<br>[63.0] | 1.75<br>[44.5] | 1.93<br>[49.0] | 2.17<br>[55.1] | 2.67<br>[67.8] |

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