| | REVISIONS | | |
|---|---|---|---|
| LTR | DESCRIPTION | DATE | APPROVED |
| F | REVISED PER ECN AD93048 | | |
| G | REVISED PER DCR R060312 | 5/22/06 | MPIOZET |
| | | | |
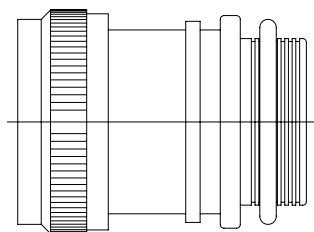


## CODE 41 TINEL-LOCK ADAPTER

NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.

2. SEE CH00-0250-008 FOR ORDERING INFORMATION, MODIFICATIONS AND ADDITIONAL DIMENSIONS.

〈3〉 SEE DRAWING "TR" FOR DETAILS ON TINEL-LOCK RING. RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY. ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOR WHEN INSTALLATION TEMPERATURE IS REACHED.

4. ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENT. NO. AND PART NO. LESS RING DESIGNATOR (E.G.: 06090-TXR41AB00-1206). RINGS SHALL BEAR NO MARKING.

〈5〉 FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.

〈6〉 ADAPTER MATES TO MIL-C-38999, SERIES I & II, CLASS E AND T, MS27466, MS27467, MS27468, MS27472, MS27473, MS27474, MS27479, MS27480, MS27481, MS27484, MS27497, MS27652, MS27653, MS27656 CONNECTORS.

〈7〉 THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED. (MOD. CODE "S").

## SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.

DECIMALS

.XXX ± 0.005 [ 0.13 mm]
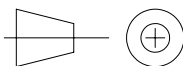.XX ± 0.01 [ 0.25 mm]
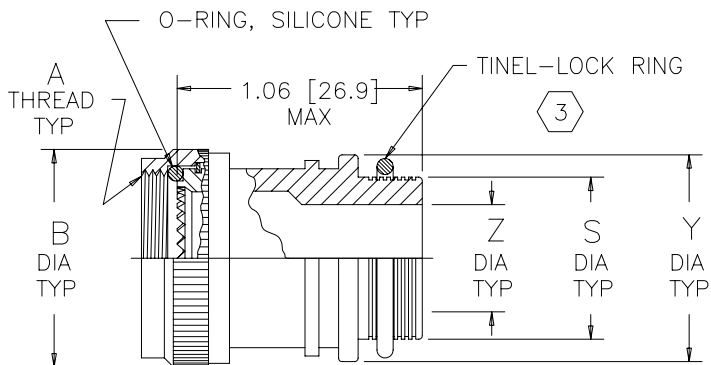.X ± 0.1 [ 0.50 mm]

ANGLES
.X ± 0.5 DEG

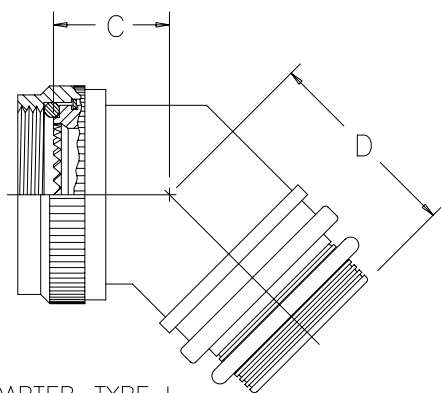| | | |
|---|---|---|
| DRAWN | R. RAMIREZ | 03-18-93 |
| CHECKED | --- | --- |
| APPROVED | W.C. GAY | 05-19-93 |
| REVISED | MFORONDA | 5/22/06 |
| CAD NAME: | R060312A.dwg | |

Tyco Electronics Corporation
300 Constitution Drive
Menlo Park, CA. 94025 U.S.A.

**Raychem**

TITLE

TINEL-LOCK ADAPTER

THIRD ANGLE PROJECTION

| SIZE | CODE IDENT. NO. | DWG. NO. | |
|---|---|---|---|
| A | 06090 | | TXR41 |

DO NOT SCALE THIS DRAWING

SHEET 1 OF 3

O-RING, SILICONE TYP

A THREAD TYP

1.06 [26.9] MAX

TINEL-LOCK RING ⟨3⟩

B DIA TYP

Z DIA TYP    S DIA TYP    Y DIA TYP

STRAIGHT ADAPTER—TYPE I

O-RING, SILICONE TYP

1.16 [29.5] MAX TYP    1.10 [27.9] MAX

K DIA TYP    B DIA TYP

⟨5⟩ STRAIGHT ADAPTER—TYPE II

C

D

45° ADAPTER—TYPE I

F

G

45° ADAPTER—TYPE II

W

E

90° ADAPTER TYPE I

H

J
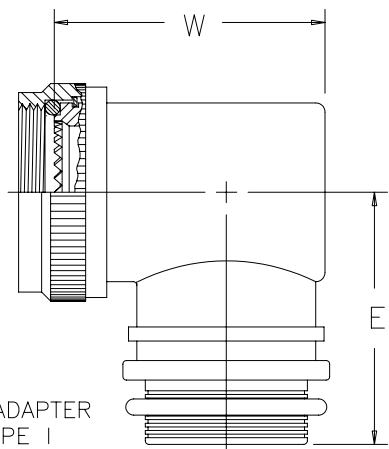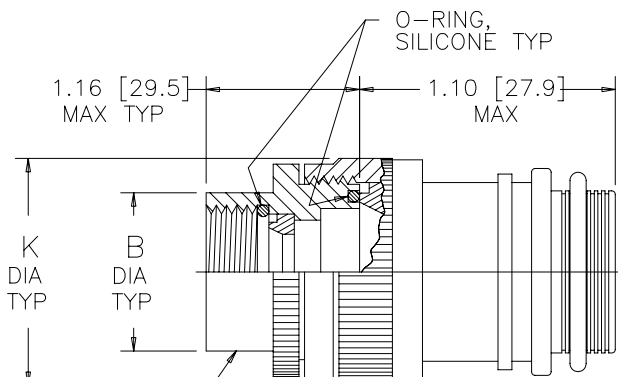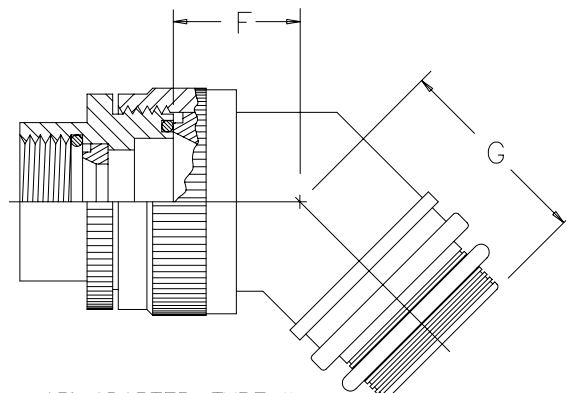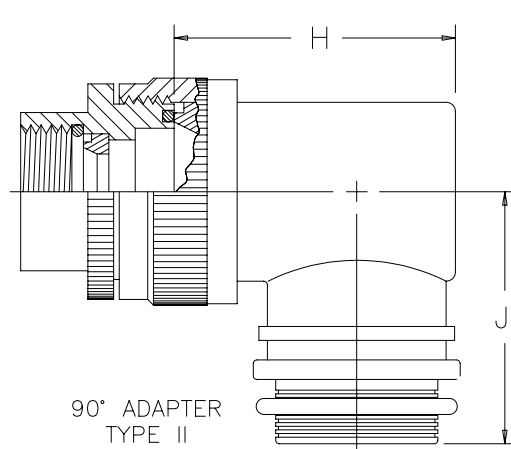
90° ADAPTER TYPE II

# SPECIFICATION CONTROL DRAWING

| SIZE | CODE IDENT. NO. | DWG. NO. | | REV |
|------|-----------------|----------|--|-----|
| A | 06090 | TXR41 | | G |

DO NOT SCALE THIS DRAWING | CAD NAME: R060312B.dwg | SHEET 2 OF 3

## TABLE I

| ORDER NO. | SHELL SIZE ⬡6 SER 1 | SER 2 | MAX ENTRY SIZE TYPE 1 ⬡5 | A UNIFIED THD CLASS 2B | B DIA MAX | B DIA MAX ⬦7 | C MAX | D MAX | E MAX |
|---|---|---|---|---|---|---|---|---|---|
| 08 | 9 | 8 | 04 | .438−28 UNEF | .750 [19.1] | .969 [24.6] | .69 [17.5] | .91 [23.1] | 1.15 [29.2] |
| 10 | 11 | 10 | 06 | .562−24 UNEF | .850 [21.6] | 1.063 [27.0] | .72 [18.3] | .93 [23.6] | 1.21 [30.7] |
| 12 | 13 | 12 | 08 | .688−24 UNEF | 1.000 [24.4] | 1.219 [31.0] | .74 [18.8] | .96 [24.4] | 1.28 [32.5] |
| 14 | 15 | 14 | 10 | .812−20 UNEF | 1.142 [29.00] | 1.406 [35.7] | .76 [19.3] | .98 [24.9] | 1.34 [34.0] |
| 16 | 17 | 16 | 12 | .938−20 UNEF | 1.250 [31.8] | 1.469 [37.3] | .79 [20.1] | 1.00 [25.4] | 1.40 [35.6] |
| 18 | 19 | 18 | 12 | 1.062−18 UNEF | 1.400 [35.6] | 1.594 [40.5] | .81 [20.6] | 1.03 [26.2] | 1.46 [37.1] |
| 20 | 21 | 20 | 14 | 1.188−18 UNEF | 1.500 [38.1] | 1.750 [44.5] | .84 [21.3] | 1.06 [26.9] | 1.53 [38.9] |
| 22 | 23 | 22 | 16 | 1.312−18 UNEF | 1.650 [41.9] | 1.844 [46.8] | .87 [22.1] | 1.08 [27.4] | 1.59 [40.4] |
| 24 | 25 | 24 | 18 | 1.438−18 UNEF | 1.750 [44.45] | 2.031 [51.6] | .89 [22.6] | 1.11 [28.2] | 1.65 [41.9] |

## TABLE II

| ENTRY SIZE | Z +.010 −.020 | S DIA | Y ±.015 [±0.38] | W MAX | F MAX | G MAX | H MAX | J MAX | K MAX |
|---|---|---|---|---|---|---|---|---|---|
| 04 | .250 [6.35] | .376 [9.56] .370 [9.39] | .550 [13.97] | 1.07 [27.2] | N/A | N/A | N/A | N/A | N/A |
| 05 | .312 [7.92] | .438 [11.13] .432 [10.97] | .612 [15.54] | 1.13 [28.7] | .77 [19.6] | .93 [23.6] | 1.19 [30.2] | 1.16 [29.5] | .80 [20.3] |
| 06 | .375 [9.52] | .501 [12.73] .495 [12.57] | .675 [17.14] | 1.19 [30.2] | .77 [19.6] | .93 [23.6] | 1.19 [30.2] | 1.16 [29.5] | .80 [20.3] |
| 07 | .437 [11.09] | .563 [14.31] .556 [14.12] | .737 [18.71] | 1.25 [31.8] | .80 [20.3] | .95 [24.1] | 1.38 [35.1] | 1.22 [31.0] | .92 [23.4] |
| 08 | .500 [12.70] | .626 [15.91] .619 [15.72] | .800 [20.32] | 1.32 [33.5] | .80 [20.3] | .95 [24.1] | 1.38 [35.1] | 1.22 [31.0] | .92 [23.4] |
| 10 | .625 [15.87] | .752 [19.11] .742 [18.84] | .925 [23.49] | 1.44 [36.6] | .84 [21.3] | 1.00 [25.4] | 1.51 [38.4] | 1.35 [34.3] | 1.18 [30.0] |
| 12 | .750 [19.05] | .877 [22.28] .867 [22.02] | 1.050 [26.67] | 1.57 [39.9] | .86 [21.8] | 1.01 [25.7] | 1.63 [41.4] | 1.40 [35.6] | 1.35 [34.3] |
| 14 | .875 [22.23] | 1.002 [25.46] .991 [25.17] | 1.175 [29.84] | 1.69 [42.9] | .88 [22.4] | 1.04 [26.4] | 1.78 [45.2] | 1.46 [37.1] | 1.41 [35.8] |
| 16 | 1.000 [25.40] | 1.127 [28.63] 1.116 [28.34] | 1.300 [33.02] | 1.82 [46.2] | .91 [23.1] | 1.06 [26.9] | 1.88 [47.8] | 1.53 [38.9] | 1.60 [40.6] |
| 18 | 1.125 [28.57] | 1.252 [31.81] 1.241 [31.52] | 1.425 [36.19] | 1.94 [49.3] | .93 [23.6] | 1.09 [27.7] | 2.01 [51.1] | 1.59 [40.4] | 1.66 [42.2] |
| 20 | 1.250 [31.75] | 1.377 [34.98] 1.366 [34.69] | 1.550 [39.37] | N/A | .98 [24.9] | 1.13 [28.7] | 2.13 [54.1] | 1.78 [45.2] | 2.04 [51.8] |
| 22 | 1.375 [34.93] | 1.502 [38.15] 1.488 [37.79] | 1.675 [42.55] | N/A | 1.03 [26.2] | 1.38 [35.1] | 2.29 [58.2] | 1.85 [47.0] | 2.23 [56.6] |
| 24 | 1.500 [38.10] | 1.627 [41.33] 1.613 [40.97] | 1.800 [45.72] | N/A | 1.08 [27.4] | 1.44 [36.6] | 2.42 [61.5] | 1.92 [48.8] | 2.23 [56.6] |

# SPECIFICATION CONTROL DRAWING

| SIZE | CODE IDENT. NO. | DWG. NO. | | REV |
|---|---|---|---|---|
| A | 06090 | TXR41 | | G |

DO NOT SCALE THIS DRAWING | CAD NAME: R060312C.dwg | SHEET 3 OF 3