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| REVISIONS |                           |            |          |
|-----------|---------------------------|------------|----------|
| LTR       | DESCRIPTION               | DATE       | APPROVED |
| D         | REVISED PER ECO-12-021589 | 12/11/2012 | G.WELLS  |
| E         | REVISED PER ECO-15-018009 | 12/11/2015 | I.MYONG  |

SCOPE:

THIS SPECIFICATION PROVIDES A DESCRIPTION OF HEAT-TO-RECOVER METAL RINGS FOR TERMINATING BRAIDED SHIELD ONTO ADAPTORS DESIGNED FOR THAT PURPOSE.



PART DESCRIPTION:

|    |    |   |   |   |
|----|----|---|---|---|
| TR | XX | X | I |   |
|    |    |   |   | INSULATING LINING                             |
|    |    |   |   | BRAID DESIGNATOR                              |
|    |    |   |   | A-36 AWG BRAID, 1 LAYER                       |
|    |    |   |   | B-36 AWG BRAID, 2 LAYERS                      |
|    |    |   |   | B-30 AWG BRAID, 1 LAYER                       |
|    |    |   |   | C-32 AWG BRAID, 2 LAYERS                      |
|    |    |   |   | REFER TO MSG-101 FOR RING AND BRAID SELECTION |
|    |    |   |   | RING SIZE (MATCHES TXR ADAPTER ENTRY SIZE)    |
|    |    |   |   | PRODUCT DESIGNATOR                            |

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1 MATERIAL: NICKEL/TITANIUM HEAT-TO-RECOVER SHAP MEMORY ALLOY.
- 2 THE OUTSIDE SURFACE OF THE RING IS MARKED WITH TWO STRIPES OF THERMOCHROMIC PAINT WHICH CHANGE COLOR WHEN THE APPROPRIATE INSTALLATION TEMPERATURE IS REACHED.
- 3. "AI" RINGS ARE IDENTIFIED BY THE ABSENCE OF A RED OR BLUE DOT. REFER TO NOTE 4 BELOW.
- 4. "BI" RINGS ARE MARKED WITH A RED DOT. "CI" RINGS ARE MARKED WITH A BLUE DOT.
- 5. REFER TO MIP-101 FOR INSTALLATION PROCEDURE AND PERFORMANCE REQUIREMENT.
- 6 AVERAGE OF MEASUREMENTS TAKEN AT 3 POINTS, EQUALLY SPACED ON WELD AND OFF WELD.
- 7 SHAPE OF THE RING TO BE MOSTLY CIRCULAR. CERTAIN SIZES (LARGER) MAY HAVE MULTIPLE SIDES.

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Raychem Adapters  
 CUSTOMER DRAWING

|   |                        |   |  |                     |                 |           |
|---|------------------------|---|--|---------------------|-----------------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE NOT APPLIED.                      | DRAWN<br>E. GOLDY      | DATE<br>05-17-93  |  |                     | TE Connectivity |           |
|   | REDRAWN<br>T. NGUYEN   | DATE<br>05-17-93  |  |                     |                 |           |
| DECIMAL TOLERANCES<br>.XXX ± -- [ mm ]<br>.XX ± -- [ mm ]<br>.X ± -- [ mm ] | APPROVED<br>I. MYONG   | DATE<br>12-08-15  | TITLE<br>TINEL-LOCK RING   |                     |                 |           |
|   | CAD FILE:<br>TR.dwg    |   |  |                     |                 |           |
| ANGLE TOLERANCE<br>.X ± --  | THIRD ANGLE PROJECTION |  | SIZE<br>A  | CAGE CODE:<br>06090 | DWG. NO.<br>TR  | REV:<br>E |
|   |                        |   | SCALE: NONE  |                     | SHEET 1 OF 2    |           |

| PART DESCRIPTION | $\phi A$        |                    | $\phi D$             |
|------------------|-----------------|--------------------|----------------------|
|                  | MIN AS SUPPLIED | MAX FREE RECOVERED |                      |
| TR04AI           | .397 [10.08]    | .379 [9.63]        | .073±.005 [1.85±.13] |
| TR04BI           | .416 [10.57]    | .398 [10.11]       | .073±.005 [1.85±.13] |
| TR05AI           | .460 [11.68]    | .440 [11.18]       | .073±.005 [1.85±.13] |
| TR05BI           | .479 [12.17]    | .458 [11.63]       | .073±.005 [1.85±.13] |
| TR06AI           | .523 [13.28]    | .499 [12.68]       | .073±.005 [1.85±.13] |
| TR06BI           | .548 [13.92]    | .523 [13.28]       | .073±.005 [1.85±.13] |
| TR07AI           | .586 [14.88]    | .559 [14.20]       | .073±.005 [1.85±.13] |
| TR07BI           | .606 [15.39]    | .578 [14.68]       | .073±.005 [1.85±.13] |
| TR08AI           | .650 [16.51]    | .620 [15.75]       | .073±.005 [1.85±.13] |
| TR08BI           | .670 [17.02]    | .639 [16.23]       | .073±.005 [1.85±.13] |
| TR10AI           | .782 [19.86]    | .744 [18.90]       | .073±.005 [1.85±.13] |
| TR10BI           | .802 [20.37]    | .763 [19.38]       | .073±.005 [1.85±.13] |
| TR10CI           | .830 [21.08]    | .791 [20.09]       | .073±.005 [1.85±.13] |
| TR12AI           | .912 [23.17]    | .867 [22.02]       | .073±.005 [1.85±.13] |
| TR12BI           | .931 [23.65]    | .886 [22.50]       | .073±.005 [1.85±.13] |
| TR12CI           | .960 [24.38]    | .912 [23.17]       | .073±.005 [1.85±.13] |
| TR14AI           | 1.040 [26.42]   | .988 [25.10]       | .073±.005 [1.85±.13] |
| TR14BI           | 1.060 [26.92]   | 1.007 [25.58]      | .073±.005 [1.85±.13] |
| TR14CI           | 1.089 [27.66]   | 1.033 [26.24]      | .073±.005 [1.85±.13] |
| TR16AI           | 1.171 [29.74]   | 1.111 [28.22]      | .073±.005 [1.85±.13] |
| TR16BI           | 1.191 [30.25]   | 1.129 [28.68]      | .073±.005 [1.85±.13] |
| TR16CI           | 1.216 [30.89]   | 1.154 [29.31]      | .073±.005 [1.85±.13] |
| TR18AI           | 1.301 [33.05]   | 1.234 [31.34]      | .073±.005 [1.85±.13] |
| TR18BI           | 1.320 [33.53]   | 1.252 [31.80]      | .073±.005 [1.85±.13] |
| TR20AI           | 1.430 [36.32]   | 1.357 [34.47]      | .073±.005 [1.85±.13] |
| TR20BI           | 1.450 [36.83]   | 1.376 [34.95]      | .073±.005 [1.85±.13] |
| TR22AI           | 1.543 [39.19]   | 1.463 [37.16]      | .084±.005 [2.13±.13] |
| TR22BI           | 1.561 [39.65]   | 1.481 [37.62]      | .084±.005 [2.13±.13] |
| TR24AI           | 1.673 [42.49]   | 1.587 [40.31]      | .084±.005 [2.13±.13] |
| TR24BI           | 1.691 [42.95]   | 1.605 [40.77]      | .084±.005 [2.13±.18] |
| TR28AI           | 1.932 [49.07]   | 1.838 [46.68]      | .084±.005 [2.13±.13] |
| TR28BI           | 1.950 [49.53]   | 1.858 [47.19]      | .084±.005 [2.13±.13] |

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 CUSTOMER DRAWING

|                      |                    |             |                     |                |              |
|----------------------|--------------------|-------------|---------------------|----------------|--------------|
| REDRAWN<br>T. NGUYEN | DATE<br>12-07-2015 | SIZE<br>A   | CAGE CODE:<br>06090 | DWG. NO.<br>TR | REV:<br>E    |
| CAD FILE:<br>TR-CD   |                    | SCALE: NONE |                     |                | SHEET 2 OF 2 |

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