

D

C

B

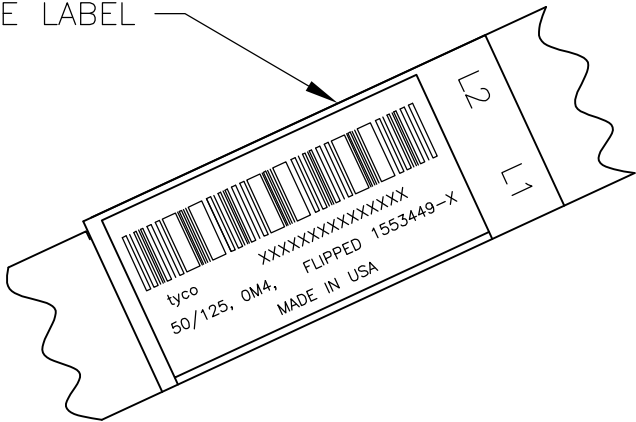
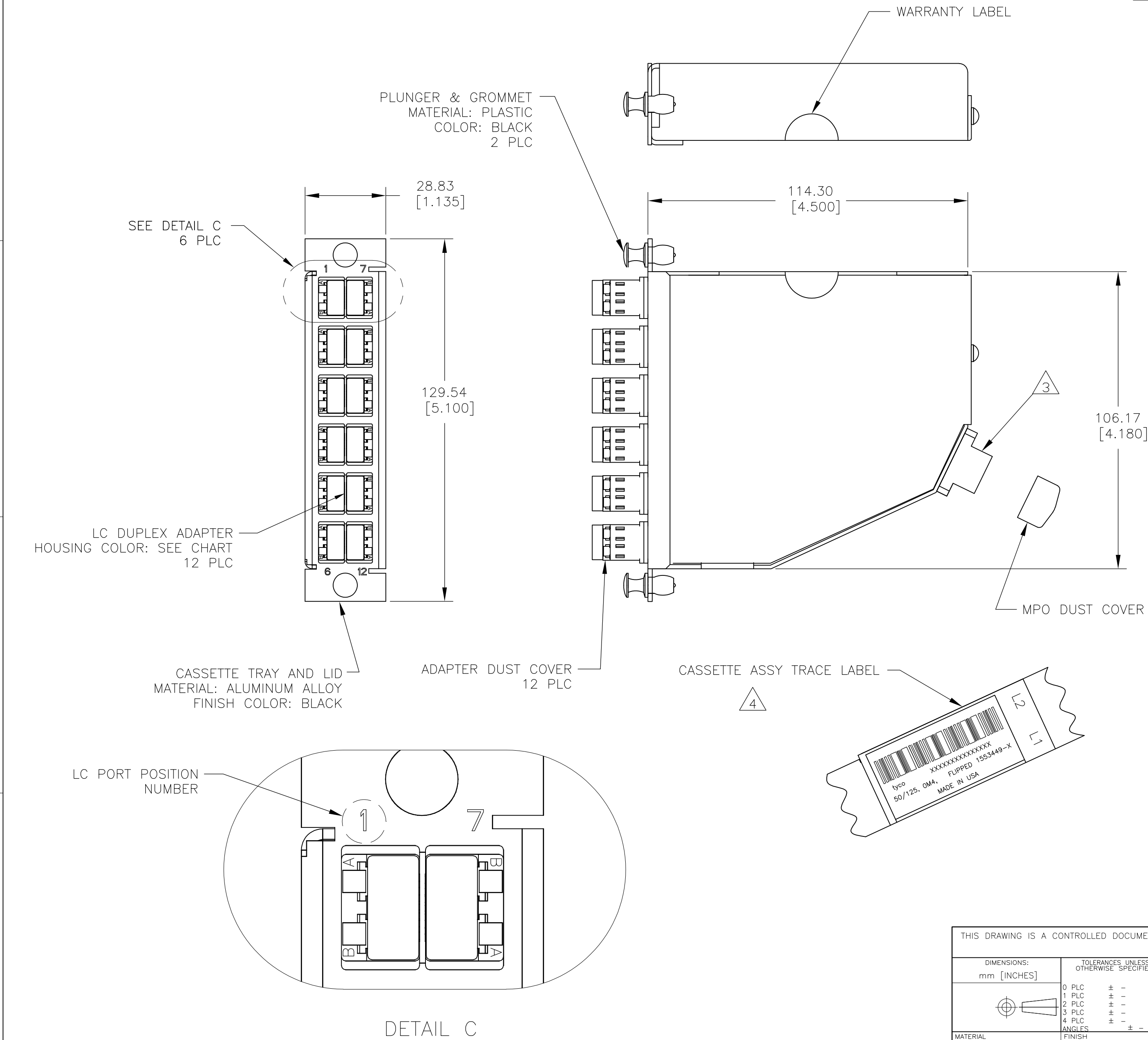
A

D

C

B

A



|                                                                                       |                                                                                                                              |                               |  |                                                                                                                                                 |           |            |               |     |   |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|---------------|-----|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                              | DWN<br>J. SHIPE<br>29APR2010  |  |  Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |           |            |               |     |   |
| DIMENSIONS:<br>mm [INCHES]                                                            |                                                                                                                              | CHK<br>J. SHIPE<br>29APR2010  |  |                                                                                                                                                 |           |            |               |     |   |
|  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - | APVD<br>J. SHIPE<br>29APR2010 |  | NAME                                                                                                                                            |           |            |               |     |   |
|                                                                                       |                                                                                                                              | PRODUCT SPEC                  |  | CASSETTE ASSEMBLY, 24 FIBER 50/125um OM4<br>MPO - LC PAIRS FLIPPED                                                                              |           |            |               |     |   |
|                                                                                       |                                                                                                                              | APPLICATION SPEC              |  | -                                                                                                                                               |           |            |               |     |   |
|                                                                                       |                                                                                                                              | -                             |  | SIZE                                                                                                                                            | CAGE CODE | DRAWING NO | RESTRICTED TO |     |   |
| MATERIAL<br>-                                                                         | FINISH<br>-                                                                                                                  | WEIGHT<br>-                   |  | A2                                                                                                                                              | 00779     | C-1553449  | -             |     |   |
| CUSTOMER DRAWING                                                                      |                                                                                                                              |                               |  | SCALE                                                                                                                                           | NTS       | SHEET      | 1 of 2        | REV | A |

1553449

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| HP  | 00   |           | —   | SEE SHEET 1 | —    | —   | —    |

1. MAXIMUM CABLE ASSEMBLY INSERTION LOSS IS 0.75dB WHEN TESTED AT 850nm OR 1300nm.
2. MINIMUM CABLE ASSEMBLY RETURN LOSS IS 23dB WHEN TESTED AT 850nm OR 1300nm.
3. WHITE MARKING ON MPO TO BE FACING TOWARD TOP OF CONNECTOR MODULE. WHITE MARK INDICATES FIBER 1 SIDE
4. SEE TRACE LABEL DETAIL
5. A COPY OF CASSETTE ASSEMBLY LOSS TEST DATA WILL BE PLACED INSIDE OR WITH THE UNIT PACKAGE. CASSETTES WILL BE TESTED AT 850nm WAVELENGTH.
6. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD TEC-138-702

| L1 FIBER PATH<br>PAIRS FLIPPED |         |   |     |
|--------------------------------|---------|---|-----|
| LC/PC PORTS                    |         |   | MPO |
| INSIDE                         | OUTSIDE |   |     |
| 1A                             | 1B      | ↔ | 1   |
| 1B                             | 1A      | ↔ | 2   |
| 2A                             | 2B      | ↔ | 3   |
| 2B                             | 2A      | ↔ | 4   |
| 3A                             | 3B      | ↔ | 5   |
| 3B                             | 3A      | ↔ | 6   |
| 4A                             | 4B      | ↔ | 7   |
| 4B                             | 4A      | ↔ | 8   |
| 5A                             | 5B      | ↔ | 9   |
| 5B                             | 5A      | ↔ | 10  |
| 6A                             | 6B      | ↔ | 11  |
| 6B                             | 6A      | ↔ | 12  |

| L2 FIBER PATH<br>PAIRS FLIPPED |         |   |     |
|--------------------------------|---------|---|-----|
| LC/PC PORTS                    |         |   | MPO |
| INSIDE                         | OUTSIDE |   |     |
| 7A                             | 7B      | ↔ | 1   |
| 7B                             | 7A      | ↔ | 2   |
| 8A                             | 8B      | ↔ | 3   |
| 8B                             | 8A      | ↔ | 4   |
| 9A                             | 9B      | ↔ | 5   |
| 9B                             | 9A      | ↔ | 6   |
| 10A                            | 10B     | ↔ | 7   |
| 10B                            | 10A     | ↔ | 8   |
| 11A                            | 11B     | ↔ | 9   |
| 11B                            | 11A     | ↔ | 10  |
| 12A                            | 12B     | ↔ | 11  |
| 12B                            | 12A     | ↔ | 12  |

TE BAR CODE

PER SPECIFICATION 107-1645-1

XXXXXXXXXXXXXXXXXXXX

50/125, OM4, FLIPPED

MADE IN XXXX

X-XXXXXXX-X

COUNTRY OF ORIGIN

} TE TRACE # - HUMAN READABLE

} TE PART NO.

|                                      |               |             |
|--------------------------------------|---------------|-------------|
| AQUA SECURE                          | AQUA SECURE   | 1-1553449-1 |
| SLATE SECURE                         | SLATE SECURE  | 1-1553449-0 |
| ROSE SECURE                          | ROSE SECURE   | 1553449-9   |
| VIOLET SECURE                        | VIOLET SECURE | 1553449-8   |
| BROWN SECURE                         | BROWN SECURE  | 1553449-7   |
| ORANGE SECURE                        | ORANGE SECURE | 1553449-6   |
| YELLOW SECURE                        | YELLOW SECURE | 1553449-5   |
| BLUE SECURE                          | BLUE SECURE   | 1553449-4   |
| GREEN SECURE                         | GREEN SECURE  | 1553449-3   |
| RED SECURE                           | RED SECURE    | 1553449-2   |
| BLACK STANDARD                       | AQUA STANDARD | 1553449-1   |
| MPO COUPLING BUSHING<br>COLOR & TYPE |               | PART NUMBER |

4 TRACE LABEL DETAIL

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

MATERIAL

FINISH

DWN  
J. SHIPE  
29APR2010

CHK  
J. SHIPE  
29APR2010

APVD  
J. SHIPE  
29APR2010

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SCALE  
NTS

SHEET  
2 of 2

REV  
A

TOLERANCES, UNLESS  
OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± -  
2 PLC ± -  
3 PLC ± -  
4 PLC ± -  
ANGLES ± -

FINISH

DWN  
J. SHIPE  
29APR2010

CHK  
J. SHIPE  
29APR2010

APVD  
J. SHIPE  
29APR2010

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

Tyco  
Electronics

Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME

CASSETTE ASSEMBLY, 24 FIBER 50/125um OM4  
MPO - LC PAIRS FLIPPED

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1553449

RESTRICTED TO