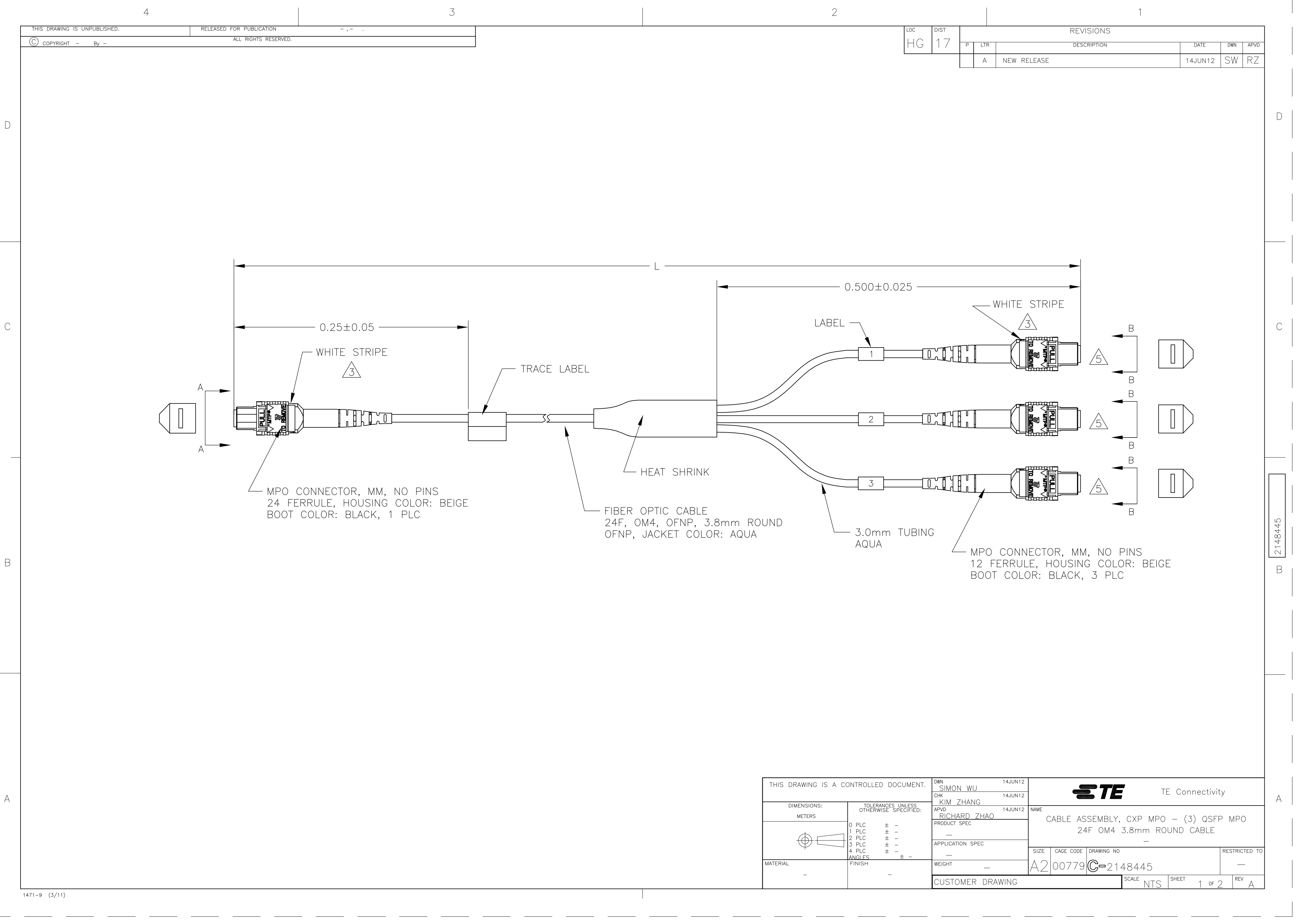




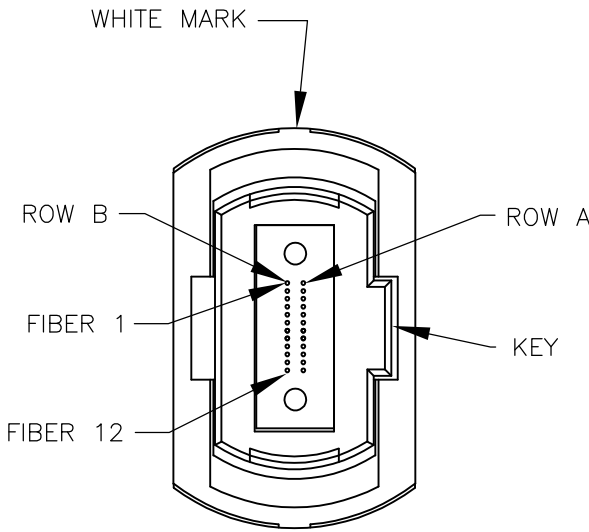
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| LOC | DIST | REVISIONS |     |             |         |     |      |
|-----|------|-----------|-----|-------------|---------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE    | DWN | APVD |
| HG  | 17   |           | A   | NEW RELEASE | 14JUN12 | SW  | RZ   |

|                                        |  |                                 |                                                                             |                 |          |  |
|----------------------------------------|--|---------------------------------|-----------------------------------------------------------------------------|-----------------|----------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>SIMON WU<br>14JUN12      | TE Connectivity                                                             |                 |          |  |
| DIMENSIONS:<br>METERS                  |  | CHK<br>KIM ZHANG<br>14JUN12     |                                                                             |                 |          |  |
|                                        |  | APVD<br>RICHARD ZHAO<br>14JUN12 | NAME<br>CABLE ASSEMBLY, CXP MPO - (3) QSFP MPO<br>24F OM4 3.8mm ROUND CABLE |                 |          |  |
|                                        |  | PRODUCT SPEC                    | -                                                                           |                 |          |  |
|                                        |  | APPLICATION SPEC                | -                                                                           |                 |          |  |
|                                        |  | WEIGHT                          | -                                                                           |                 |          |  |
| MATERIAL                               |  | FINISH                          | -                                                                           |                 |          |  |
| CUSTOMER DRAWING                       |  |                                 | SCALE<br>NTS                                                                | SHEET<br>1 OF 2 | REV<br>A |  |

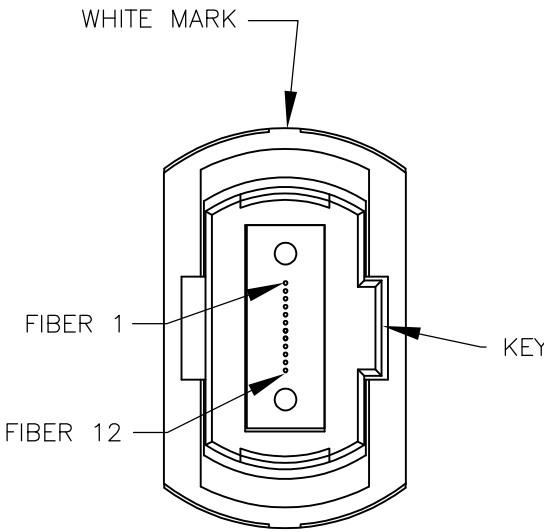
| LOC | DIST | REVISIONS |     |             |      |     |
|-----|------|-----------|-----|-------------|------|-----|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN |
| HG  | 17   |           |     | SEE SHEET 1 | -    | -   |

| PART NUMBER | L       |        | MPO MAX IL<br>(dB)  |
|-------------|---------|--------|------------------------------------------------------------------------------------------------------|
|             | MAX     | MIN    |                                                                                                      |
| 2148445-1   | 1.050   | 0.950  | 1.00                                                                                                 |
| 2148445-2   | 2.050   | 1.950  | 1.01                                                                                                 |
| 2148445-3   | 3.050   | 2.950  | 1.01                                                                                                 |
| 2148445-4   | 4.080   | 3.920  | 1.01                                                                                                 |
| 2148445-5   | 5.080   | 4.920  | 1.02                                                                                                 |
| 2148445-6   | 6.080   | 5.920  | 1.02                                                                                                 |
| 2148445-7   | 7.080   | 6.920  | 1.02                                                                                                 |
| 2148445-8   | 8.080   | 7.920  | 1.03                                                                                                 |
| 2148445-9   | 9.150   | 8.850  | 1.03                                                                                                 |
| 1-2148445-0 | 10.150  | 9.850  | 1.04                                                                                                 |
| 1-2148445-1 | 11.150  | 10.850 | 1.04                                                                                                 |
| 1-2148445-2 | 12.150  | 11.850 | 1.04                                                                                                 |
| 1-2148445-3 | 13.150  | 12.850 | 1.05                                                                                                 |
| 1-2148445-4 | 14.150  | 13.850 | 1.05                                                                                                 |
| 1-2148445-5 | 15.150  | 14.850 | 1.05                                                                                                 |
| 1-2148445-6 | 16.160  | 15.840 | 1.06                                                                                                 |
| 1-2148445-7 | 17.170  | 16.830 | 1.06                                                                                                 |
| 1-2148445-8 | 18.180  | 17.820 | 1.06                                                                                                 |
| 1-2148445-9 | 19.190  | 18.810 | 1.07                                                                                                 |
| 2-2148445-0 | 20.200  | 19.800 | 1.07                                                                                                 |
| 2-2148445-1 | 21.210  | 20.790 | 1.07                                                                                                 |
| 2-2148445-2 | 22.220  | 21.780 | 1.08                                                                                                 |
| 2-2148445-3 | 23.230  | 22.770 | 1.08                                                                                                 |
| 2-2148445-4 | 24.240  | 23.760 | 1.08                                                                                                 |
| 2-2148445-5 | 25.250  | 24.750 | 1.09                                                                                                 |
| 2-2148445-6 | 26.260  | 25.740 | 1.09                                                                                                 |
| 2-2148445-7 | 27.270  | 26.730 | 1.09                                                                                                 |
| 2-2148445-8 | 28.280  | 27.720 | 1.10                                                                                                 |
| 2-2148445-9 | 29.290  | 28.710 | 1.10                                                                                                 |
| 3-2148445-0 | 30.300  | 29.700 | 1.11                                                                                                 |
| 3-2148445-1 | 31.310  | 30.690 | 1.11                                                                                                 |
| 3-2148445-2 | 32.320  | 31.680 | 1.11                                                                                                 |
| 3-2148445-3 | 33.330  | 32.670 | 1.12                                                                                                 |
| 3-2148445-4 | 34.340  | 33.660 | 1.12                                                                                                 |
| 3-2148445-5 | 35.350  | 34.650 | 1.12                                                                                                 |
| 3-2148445-6 | 36.360  | 35.640 | 1.13                                                                                                 |
| 3-2148445-7 | 37.370  | 36.630 | 1.13                                                                                                 |
| 3-2148445-8 | 38.380  | 37.620 | 1.13                                                                                                 |
| 3-2148445-9 | 39.390  | 38.610 | 1.14                                                                                                 |
| 4-2148445-0 | 40.400  | 39.600 | 1.14                                                                                                 |
| 4-2148445-1 | 41.410  | 40.590 | 1.14                                                                                                 |
| 4-2148445-2 | 42.420  | 41.580 | 1.15                                                                                                 |
| 4-2148445-3 | 43.430  | 42.570 | 1.15                                                                                                 |
| 4-2148445-4 | 44.440  | 43.560 | 1.15                                                                                                 |
| 4-2148445-5 | 45.450  | 44.550 | 1.16                                                                                                 |
| 4-2148445-6 | 46.460  | 45.540 | 1.16                                                                                                 |
| 4-2148445-7 | 47.470  | 46.530 | 1.16                                                                                                 |
| 4-2148445-8 | 48.480  | 47.520 | 1.17                                                                                                 |
| 4-2148445-9 | 49.490  | 48.510 | 1.17                                                                                                 |
| 5-2148445-0 | 50.500  | 49.500 | 1.18                                                                                                 |
| 5-2148445-5 | 55.550  | 54.450 | 1.19                                                                                                 |
| 6-2148445-0 | 60.600  | 59.400 | 1.21                                                                                                 |
| 6-2148445-5 | 65.650  | 64.350 | 1.23                                                                                                 |
| 7-2148445-0 | 70.700  | 69.300 | 1.25                                                                                                 |
| 7-2148445-5 | 75.750  | 74.250 | 1.26                                                                                                 |
| 8-2148445-0 | 80.800  | 79.200 | 1.28                                                                                                 |
| 8-2148445-5 | 86.000  | 84.000 | 1.30                                                                                                 |
| 9-2148445-0 | 91.350  | 88.650 | 1.32                                                                                                 |
| 9-2148445-5 | 96.425  | 94.575 | 1.33                                                                                                 |
| 9-2148445-9 | 101.500 | 98.500 | 1.35                                                                                                 |



VIEW A-A  
NOT TO SCALE

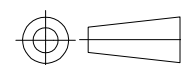
| 24F ROW | MPO FIBER | FIBER COLOR | 12F MPO  |
|---------|-----------|-------------|---------------------------------------------------------------------------------------------|
| A       | 1         | BLUE        | 12                                                                                          |
| A       | 2         | ORANGE      | 11                                                                                          |
| A       | 3         | GREEN       | 10                                                                                          |
| A       | 4         | BROWN       | 9                                                                                           |
| B       | 1         | BLUE        | 1                                                                                           |
| B       | 2         | ORANGE      | 2                                                                                           |
| B       | 3         | GREEN       | 3                                                                                           |
| B       | 4         | BROWN       | 4                                                                                           |
| A       | 5         | SLATE       | 12                                                                                          |
| A       | 6         | WHITE       | 11                                                                                          |
| A       | 7         | RED         | 10                                                                                          |
| A       | 8         | BLACK       | 9                                                                                           |
| B       | 5         | SLATE       | 1                                                                                           |
| B       | 6         | WHITE       | 2                                                                                           |
| B       | 7         | RED         | 3                                                                                           |
| B       | 8         | BLACK       | 4                                                                                           |
| A       | 9         | YELLOW      | 12                                                                                          |
| A       | 10        | VIOLET      | 11                                                                                          |
| A       | 11        | ROSE        | 10                                                                                          |
| A       | 12        | AQUA        | 9                                                                                           |
| B       | 9         | YELLOW      | 1                                                                                           |
| B       | 10        | VIOLET      | 2                                                                                           |
| B       | 11        | ROSE        | 3                                                                                           |
| B       | 12        | AQUA        | 4                                                                                           |



VIEW B-B  
NOT TO SCALE

## MPO CONNECTOR FIBER PATH

-  SEE TABLE FOR MPO IL @ 850nm
- PLACE A COPY OF TEST DATA INSIDE OR WITH THE UNIT PACKAGE.
-  WHITE MARK ON CONNECTOR HOUSING INDICATES FIBER 1 SIDE.
- PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TE CONNECTIVITY STANDARD TEC-138-702.
-  KEEP FIBER #5-#8 NULL IN 12F MPO CONNECTOR.

|                                                                                       |  |                                 |                                                                                                       |                                        |                 |
|---------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>SIMON WU<br>14JUN12      |  TE Connectivity |                                        |                 |
| DIMENSIONS:<br>METERS                                                                 |  | CHK<br>KIM ZHANG<br>14JUN12     |                                                                                                       |                                        |                 |
|  |  | APVD<br>RICHARD ZHAO<br>14JUN12 |                                                                                                       |                                        |                 |
|                                                                                       |  | PRODUCT SPEC                    |                                                                                                       |                                        |                 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  | APPLICATION SPEC                |                                                                                                       | NAME                                   |                 |
| 0 PLC ± -                                                                             |  | -                               |                                                                                                       | CABLE ASSEMBLY, CXP MPO - (3) QSFP MPO |                 |
| 1 PLC ± -                                                                             |  | -                               |                                                                                                       | 24F OM4 3.8mm ROUND CABLE              |                 |
| 2 PLC ± -                                                                             |  | -                               |                                                                                                       | -                                      |                 |
| 3 PLC ± -                                                                             |  | -                               |                                                                                                       | -                                      |                 |
| 4 PLC ± -                                                                             |  | -                               |                                                                                                       | -                                      |                 |
| ANGLES ± -                                                                            |  | -                               |                                                                                                       | -                                      |                 |
| FINISH                                                                                |  | WEIGHT                          |                                                                                                       | RESTRICTED TO                          |                 |
| -                                                                                     |  | -                               |                                                                                                       | -                                      |                 |
| CUSTOMER DRAWING                                                                      |  |                                 |                                                                                                       | SCALE<br>NTS                           | SHEET<br>2 OF 2 |
| REV<br>A                                                                              |  |                                 |                                                                                                       | REV<br>A                               |                 |

# Mouser Electronics

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