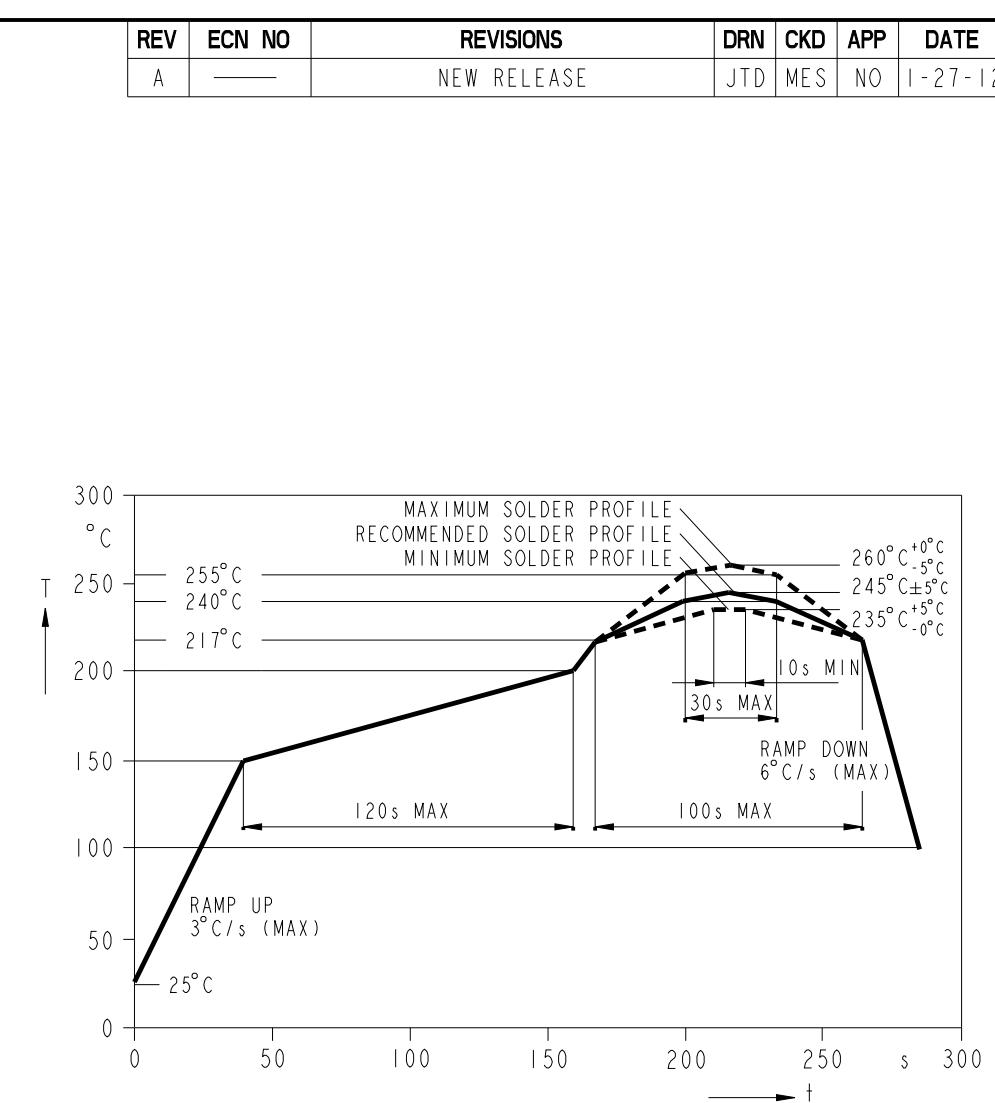
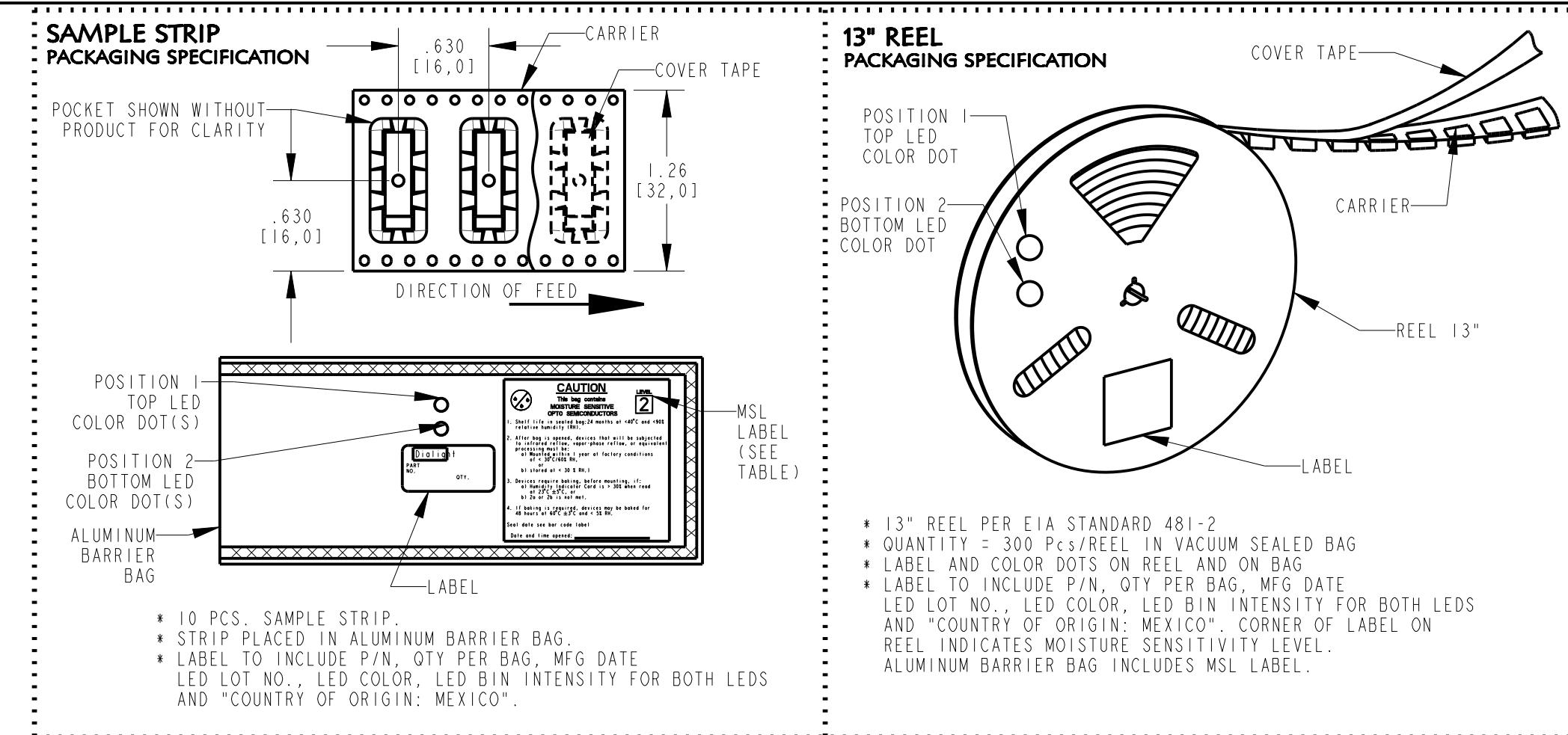
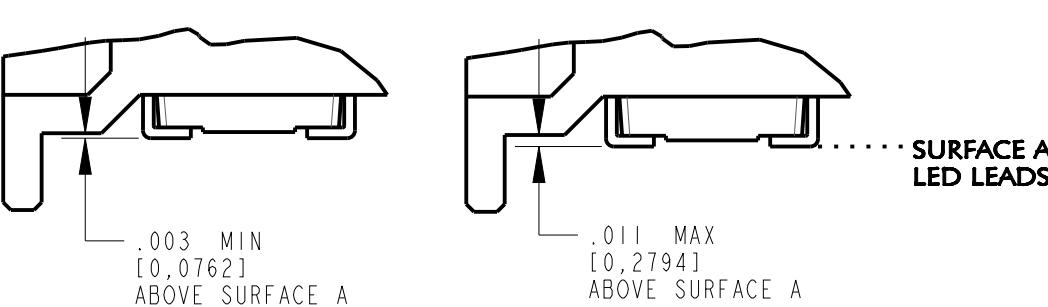
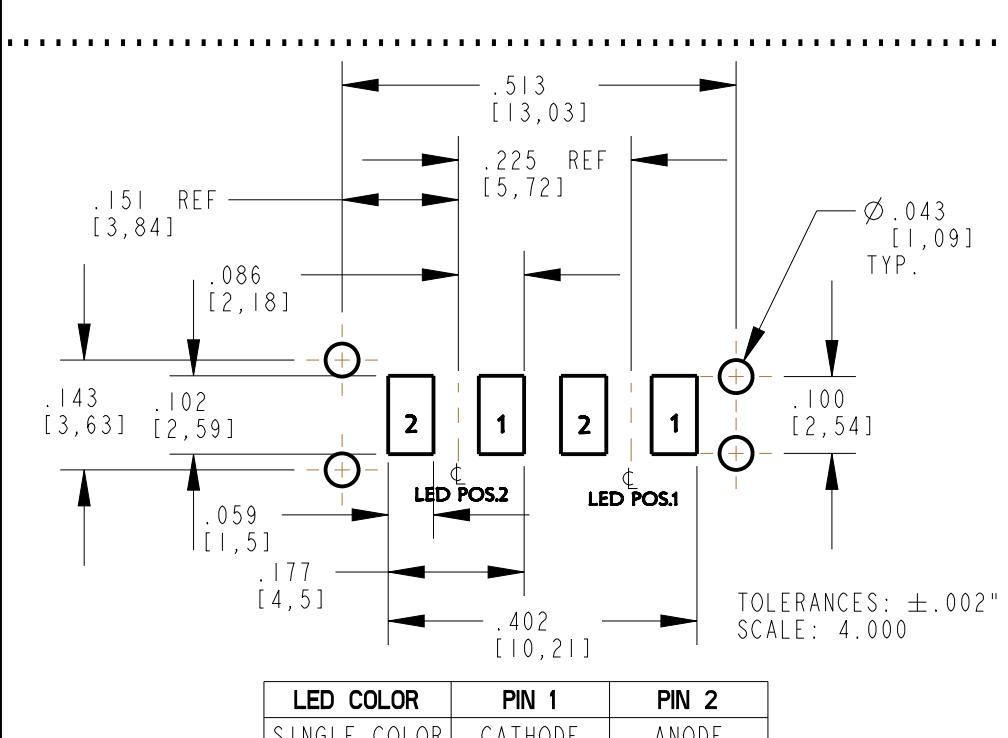
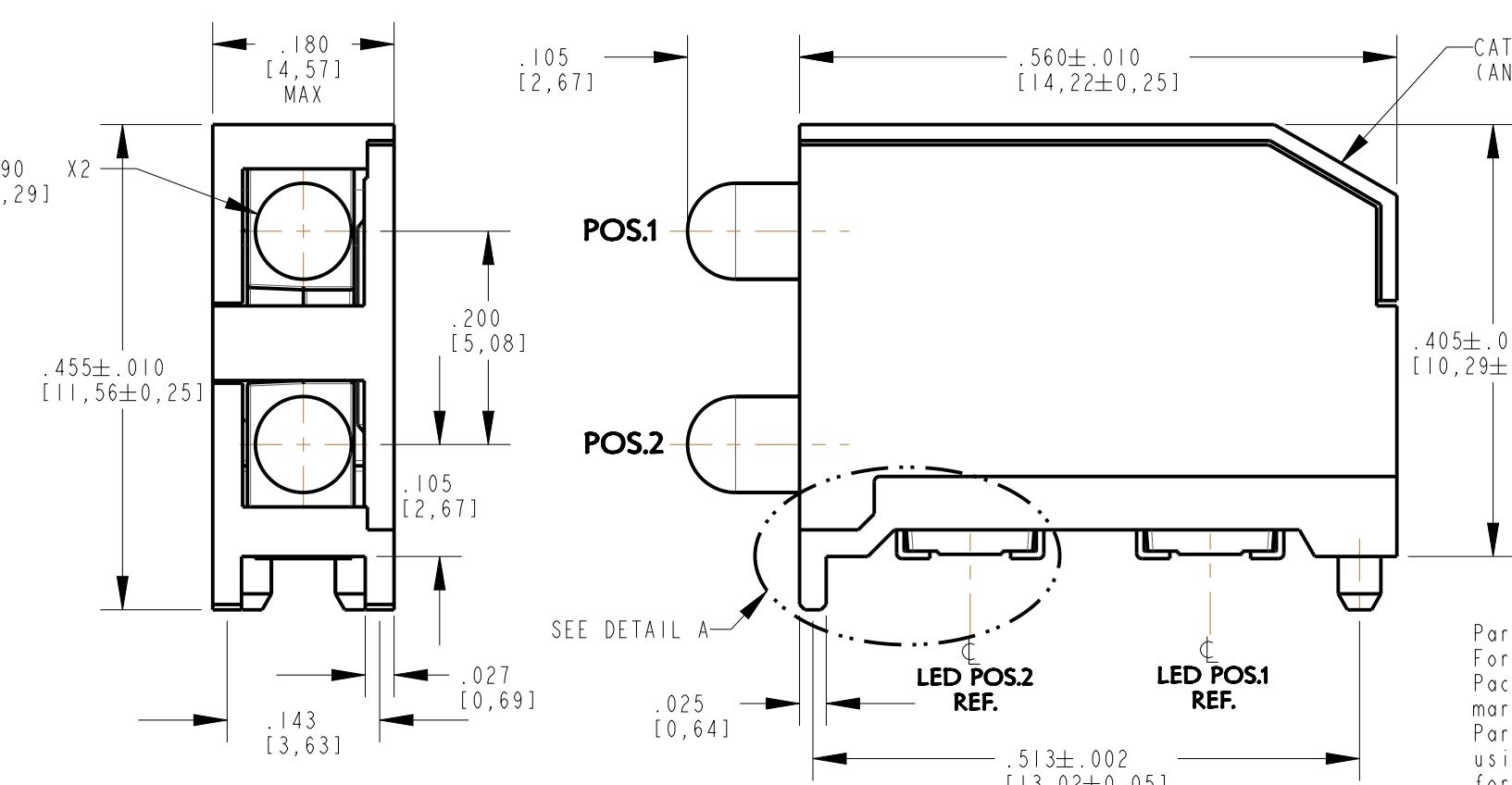


| DIALIGHT PART NUMBER | PACKAGING    | POSITION 1 | POSITION 2 | MS |
|----------------------|--------------|------------|------------|----|
| 592-1010-302F        | SAMPLE STRIP | RED        | RED        | 2  |
| 592-1010-313F        | 13" REEL     |            |            |    |
| 592-1313-302F        | SAMPLE STRIP | GREEN      | GREEN      | 2  |
| 592-1313-313F        | 13" REEL     |            |            |    |
| 592-1314-302F        | SAMPLE STRIP | GREEN      | YELLOW     | 2  |
| 592-1314-313F        | 13" REEL     |            |            |    |
| 592-1414-302F        | SAMPLE STRIP | YELLOW     | YELLOW     | 2  |
| 592-1414-313F        | 13" REEL     |            |            |    |
| 592-1515-302F        | SAMPLE STRIP | ORANGE     | ORANGE     | 2  |
| 592-1515-313F        | 13" REEL     |            |            |    |



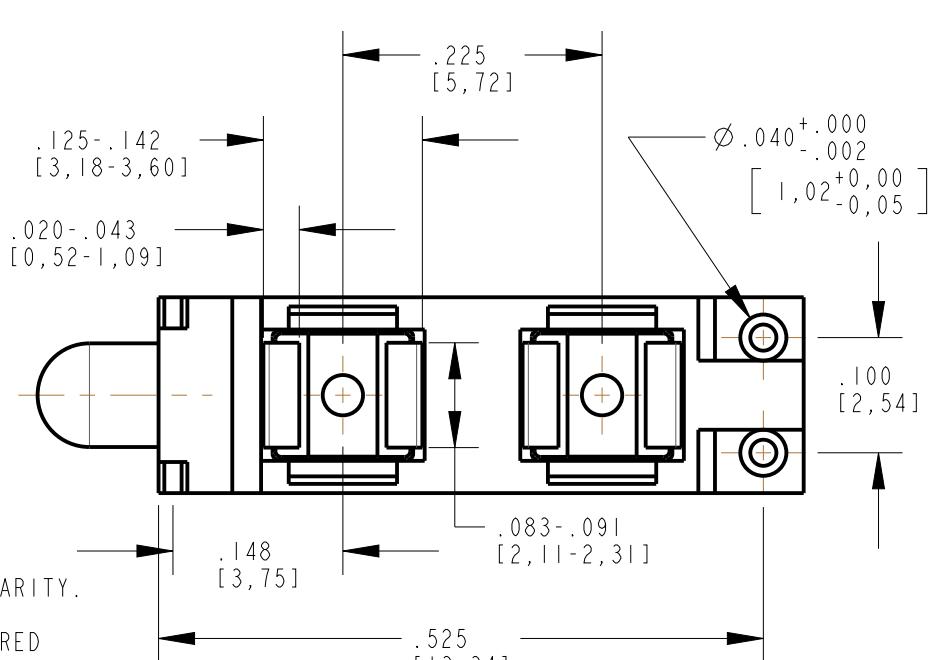
| OPERATING CHARACTERISTICS AT 25°C AMBIENT - SINGLE COLOR LEDs |             |                          |      |                          |     |     |                      |                     |     |                      |
|---|-------------|--------------------------|------|--------------------------|-----|-----|----------------------|---------------------|-----|----------------------|
| COLOR   |             | LUMINOUS INTENSITY (mcd) |      | DOMINANT WAVELENGTH (nm) |     |     | PEAK WAVELENGTH (nm) | FORWARD VOLTAGE (V) |     | REVERSE CURRENT (μA) |
|   |             | 2mA                      | 10mA |                          |     |     |                      | 2mA                 |     |                      |
| #   | DESCRIPTION | TYP                      |      | MIN                      | TYP | MAX | TYP                  | TYP                 | MAX | MAX                  |
| 10  | RED         | 3.8                      | 9.8  | 624                      | 630 | 636 | 643                  | 1.8                 | 2.2 | 10 @ VR=12 V         |
| 13  | GREEN       | 3.2                      | 10.1 | 566                      | 570 | 575 | 572                  | 1.8                 | 2.2 | 10 @ VR=12 V         |
| 14  | YELLOW      | 4.4                      | 11.3 | 580                      | 587 | 594 | 591                  | 1.8                 | 2.2 | 10 @ VR=12 V         |
| 15  | ORANGE      | 5.6                      | 14.0 | 600                      | 606 | 609 | 610                  | 1.8                 | 2.2 | 10 @ VR=12 V         |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - SINGLE COLOR LEDs | COLOR |                  |        |        | UNITS |
|--|-------|------------------|--------|--------|-------|
|  | RED   | GREEN            | YELLOW | ORANGE |       |
| POWER DISSIPATION  | 50    | 40               | 50     | 50     | mW    |
| PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10μs PULSE WIDTH)    |       | 100              |        |        | mA    |
| CONTINUOUS FORWARD CURRENT                                   |       | 20               |        |        | mA    |
| LINEAR DERATING AT MAX CURRENT (20mA)                        | 0     | (UNDER 100°C)    |        |        | mA/°C |
| REVERSE VOLTAGE  | 12    |                  |        |        | V     |
| LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)               | 260   | (ALSO SEE GRAPH) |        |        | °C    |
| OPERATING TEMPERATURE  | -40   | TO +100          |        |        | °C    |
| STORAGE TEMPERATURE  | -40   | TO +100          |        |        | °C    |

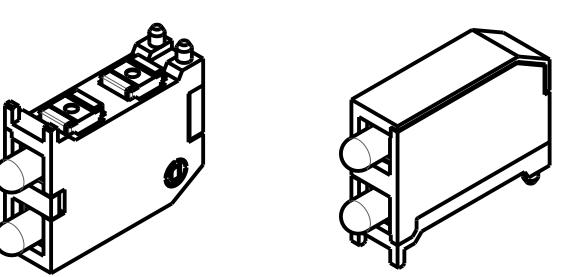
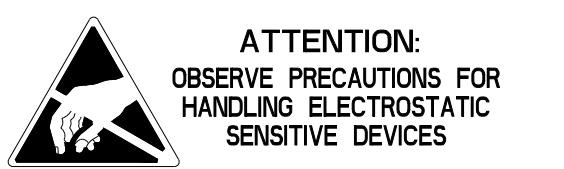


■ ■ ■

1. DIALIGHT PART NUMBERS: 592-XXXX-3XXF.
2. ....-302F SUFFIX MEANS PARTS ARE SUPPLIED ON A 10 PCS. SAMPLE STRIP  
....-313F SUFFIX MEANS PARTS ARE SUPPLIED ON A 13 INCH REEL, 300 pcs/REEL
3. FRONT AND REAR TERMINALS [OF EACH LED] OF THE ASSEMBLY TO BE WITHIN .005" COPLANARITY.
4. STORAGE CONDITIONS FOR TAPE PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
5. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
6. MOISTURE SENSITIVITY LEVEL LABEL WILL BE PLACED ON BAG. CHECK CHART FOR PROPER LEVEL.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-61



## **++SINGLE COLOR LED ASSEMBLY++**



THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND  
THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING  
OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING  
FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.

|  |                      |  |
|--|----------------------|--|
| FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT. |                      |  |
| SCALE: 2.000                                       | DRAWING NUMBER       | REV  |
| L DIM'S IN: INCHES (MM)                            | C-17954              |  |
| ERANCES:<br>LESS OTHERWISE SPECIFIED               | A                    |  |
| CTIONS: $\pm 1/64$                                 | TITLE BI-LEVEL PRISM |  |
| IMALS (.XX): $\pm .01$                             | RoHS COMPLIANT       |  |
| IMALS (.XXX): $\pm .005$                           | MATERIAL             |  |
| IMALS (.XXXX): $\pm .0005$                         |                      |  |
| LES: $\pm 1^\circ$                                 |                      |  |
| ISH:   |                      |  |
| CM 0.2220  | Dialight             | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |

# Mouser Electronics

Authorized Distributor

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