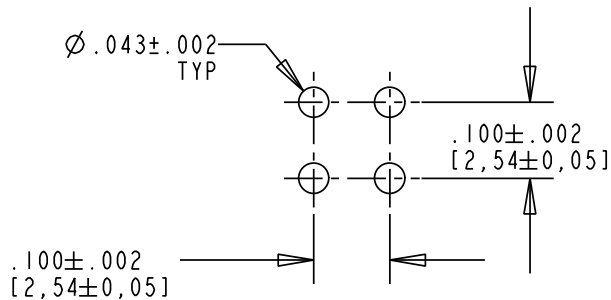
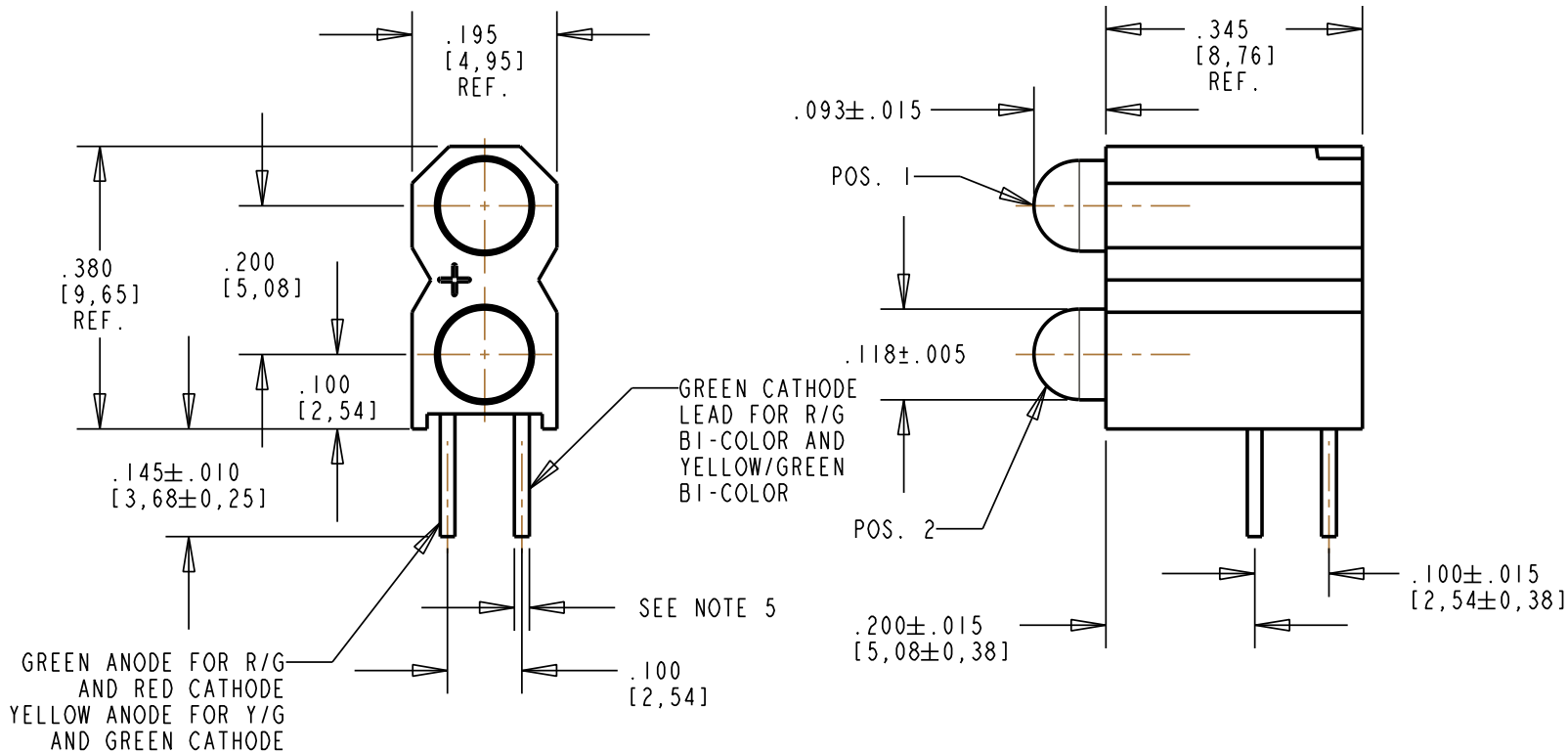


| PART NUMBER   | LED COLOR    |              | REVISIONS |     |     |         |
|---------------|--------------|--------------|-----------|-----|-----|---------|
|               | POSITION 1   | POSITION 2   | REV       | ECN | DRN | DATE    |
| 553-0711-310F | RED/GREEN    | RED/GREEN    | A         | —   | TWC | 4-22-05 |
| 553-0744-310F | YELLOW/GREEN | YELLOW/GREEN | A         | —   | TWC | 4-22-05 |

| REV | ECN NO | REVISIONS   | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|-----|-----|------|
| A   | —      | NEW RELEASE | TWC |     |     |      |

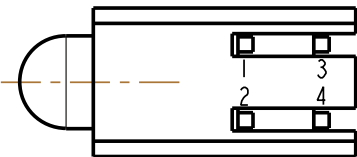


RECOMMENDED HOLE PATTERN GAUGE

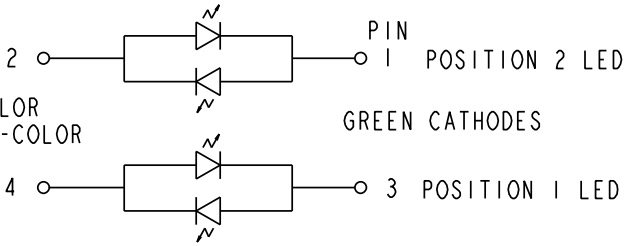
- NOTES:
- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
  - LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
  - PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
  - DIALIGHT PART NUMBER: 553-07XX-310F.
  - PACKAGE PARTS IN ANTI-STATIC BAGS. 50 PC'S PER BAG. APPLY LABEL WITH DIALIGHT P/N, DATE CODE, QTY/BAG.
  - THIS PRODUCT IS Pb FREE. IT IS IN COMPLIANCE WITH THE EUROPEAN UNION'S. ROHS DIRECTIVE. EACH BAG IS MARKED WITH THE Pb FREE LABEL P/N 9100-117-0797-99, OR EQUIVALENT.



LEAD FREE



RED CATHODES FOR R/G BI-COLOR  
YELLOW CATHODES FOR Y/G BI-COLOR



LED SCHEMATIC REF.

| LED COLOR = GRN/YEL BI-COLOR              |        |     | LED COLOR = RED/GRN BI-COLOR |     |         |                        |
|-------------------------------------------|--------|-----|------------------------------|-----|---------|------------------------|
| OPERATING CHARACTERISTICS AT 25°C AMBIENT |        |     |                              |     |         |                        |
| CHARACTERISTICS                           | COLOR  | MIN | TYP                          | MAX | UNITS   | TEST CONDITIONS        |
| LUMINOUS INTENSITY                        | GREEN  | 2.5 | 6.3                          |     | mcd     | I <sub>F</sub> = 10 mA |
|                                           | YELLOW | 2.5 | 4.3                          |     |         |                        |
|                                           | RED    | 2.5 | 4.7                          |     |         |                        |
|                                           | GREEN  | 3.7 | 10.0                         |     |         |                        |
| FORWARD VOLTAGE                           | GREEN  |     | 2.1                          | 2.8 | V       |                        |
|                                           | YELLOW |     | 2.1                          | 2.8 |         |                        |
|                                           | RED    |     | 2.0                          | 2.8 |         |                        |
|                                           | GREEN  |     | 2.1                          | 2.8 |         |                        |
| PEAK WAVELENGTH                           | GREEN  |     | 565                          |     | nm      | I <sub>F</sub> = 20 mA |
|                                           | YELLOW |     | 585                          |     |         |                        |
|                                           | RED    |     | 635                          |     |         |                        |
|                                           | GREEN  |     | 565                          |     |         |                        |
| VIEWING ANGLE                             | GREEN  |     | 80                           |     | DEGREES |                        |
|                                           | YELLOW |     |                              |     |         |                        |
|                                           | RED    | 60  |                              |     |         |                        |
|                                           | GREEN  |     |                              |     |         |                        |

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

|                                                            | GREEN       | RED | YELLOW | UNITS   |
|------------------------------------------------------------|-------------|-----|--------|---------|
| POWER DISSIPATION                                          | 100         | 100 | 60     | mW      |
| DERATE LINEARLY FROM 50 °C                                 | 0.4         | 0.4 | 0.25   | mA / °C |
| CONTINUOUS FORWARD CURRENT                                 | 30          | 30  | 20     | mA      |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10 ms PULSE WIDTH)  | 120         | 120 |        | mA      |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 120         |     | 80     | mA      |
| LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE        | 260         | 260 |        | °C      |
| LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE        | 260         |     | 260    | °C      |
| OPERATING TEMPERATURE                                      | -55 TO +100 |     |        | °C      |
| STORAGE TEMPERATURE                                        | -55 TO +100 |     |        | °C      |

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 ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.

SCALE: 4.000

ALL DIM'S IN: INCHES (MM)

TOLERANCES: UNLESS OTHERWISE SPECIFIED

FRACTIONS: ±1/64

DECIMALS (.XX): ±.01

DECIMALS (.XXX): ±.005

DECIMALS (.XXXX): ±.0005

ANGLES: ±1°

FINISH:

FSCM 83330

DRAWING NUMBER

C-17228

REV

A

TITLE

3mm BI-LEVEL LED CBI

MATERIAL

Dialight

1501 ROUTE 34 SOUTH  
FARMINGDALE, NJ 07727

SHEET 1 OF 1 FAMILY TABLE: