

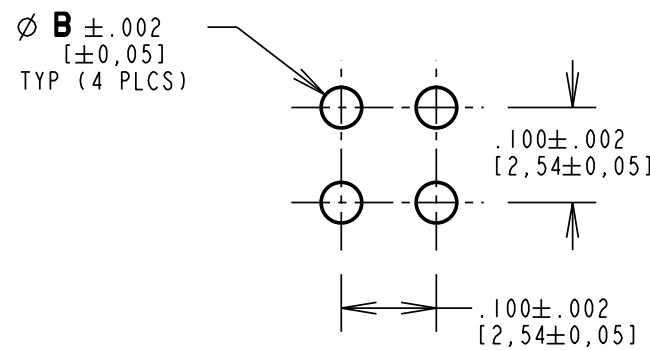
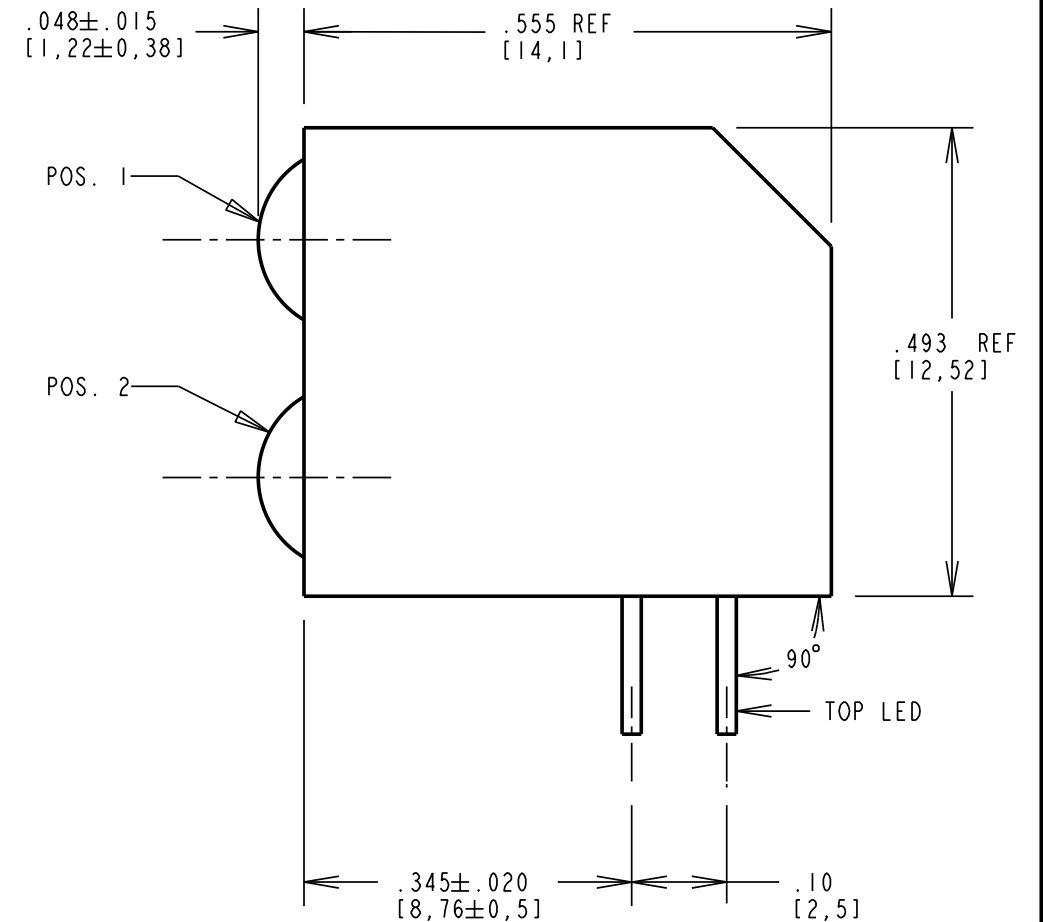
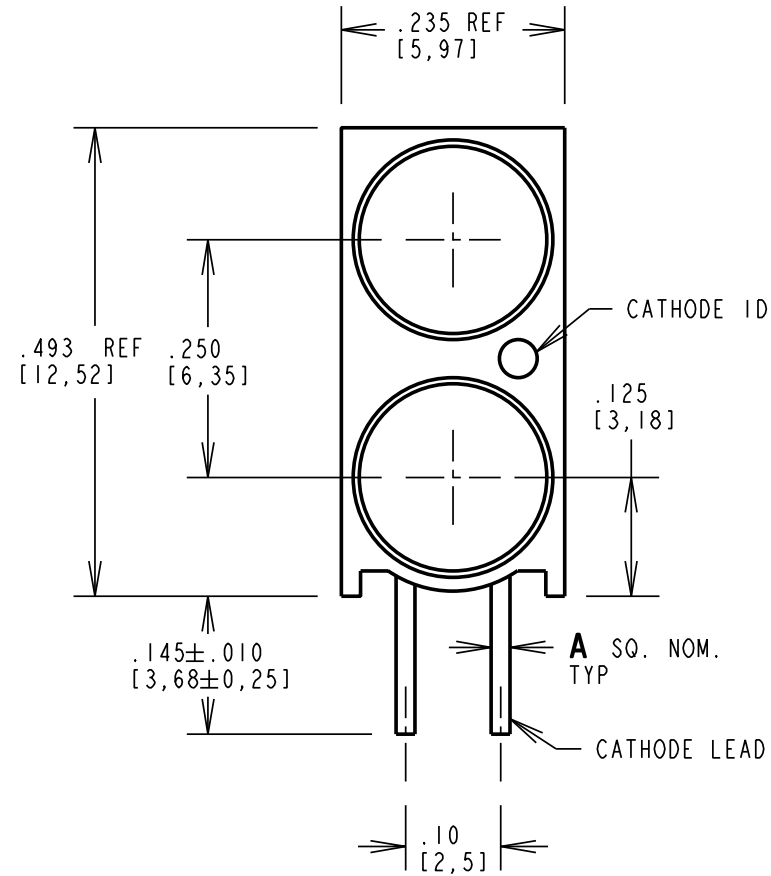
| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|-----|-----|------|
| A | | NEW RELEASE | KLJ | | | |

| PART NUMBER | LED COLOR (TINTED, NON-DIFFUSED) | |
|---------------|----------------------------------|------------|
| | POSITION 1 | POSITION 2 |
| 552-2211-100F | RED | RED |
| 552-2212-100F | RED | GREEN |
| 552-2213-100F | RED | YELLOW |
| 552-2221-100F | GREEN | RED |
| 552-2222-100F | GREEN | GREEN |
| 552-2223-100F | GREEN | YELLOW |
| 552-2231-100F | YELLOW | RED |
| 552-2232-100F | YELLOW | GREEN |
| 552-2233-100F | YELLOW | YELLOW |

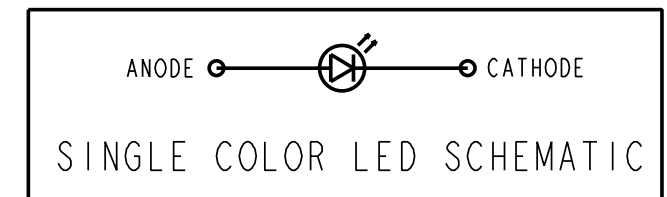
| LED COLOR | DIMENSION | |
|-----------|-----------|------|
| | A | B |
| RED | .018 | .040 |
| GREEN | .018 | .043 |
| YELLOW | .020 | .043 |

| OPERATING CHARACTERISTICS AT 25°C AMBIENT | | | | | | |
|---|-----------|-----|-----|-----|---------------|-----------------------|
| CHARACTERISTICS | LED COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 8.7 | 29 | | mcd | $I_f = 10 \text{ mA}$ |
| | GREEN | 32 | 50 | | | |
| | YELLOW | 10 | | 50 | | |
| FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | $I_f = 20 \text{ mA}$ |
| | GREEN | | 2.1 | 2.8 | | |
| | YELLOW | | 2.1 | 2.8 | | |
| REVERSE CURRENT | RED | | 100 | | μA | $V_R = 5 \text{ V}$ |
| | GREEN | | 100 | | | |
| | YELLOW | | 100 | | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | |
| | GREEN | | 565 | | | |
| | YELLOW | | 585 | | | |
| VIEWING ANGLE | ALL | | 45 | | DEG | |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | | | | |
|---|----------------------------|-------------|-------|--------|
| | UNITS | RED | GREEN | YELLOW |
| POWER DISSIPATION | mW | 100 | 100 | 60 |
| FORWARD DC CURRENT | mA | 30 | 30 | 20 |
| LINEAR DERATION FROM 50°C | $\text{mA}/^\circ\text{C}$ | 0.4 | 0.4 | 0.25 |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH) | mA | 120 | 120 | 80 |
| OPERATING TEMPERATURE | °C | -55 TO +100 | | |
| STORAGE TEMPERATURE | °C | -55 TO +100 | | |
| LEAD SOLDERING TEMPERATURE, 5 SEC, 1/16" FROM BODY | °C | 260 | | |



RECOMMENDED PC BOARD HOLE PATTERN



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- DIALIGHT PART NUMBERS: 552-22XX-100F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 552-22XX-100F
Thru-hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 552-2222-100F
The bag packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

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| | | |
|--|---|---------------|
| SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM) | DRAWING NUMBER C-17579 | REV A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1° | TITLE 5mm BACKLIGHTING BI-LEVEL RoHS COMPLIANT | MATERIAL |
| FINISH: | Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| FSCM 83330 | SHEET 1 OF 1 | FAMILY TABLE: |