

| DIALIGHT PART NUMBER | LED COLOR | |
|-------------------------|------------|------------|
| | POSITION 1 | POSITION 2 |
| 553-2203F | BLANK | YELLOW |
| 553-2211F | RED | RED |
| 553-2212F | RED | GREEN |
| 553-2222F | GREEN | GREEN |
| 553-2223F | GREEN | YELLOW |
| 553-2232F | YELLOW | GREEN |
| 553-2233F | YELLOW | YELLOW |

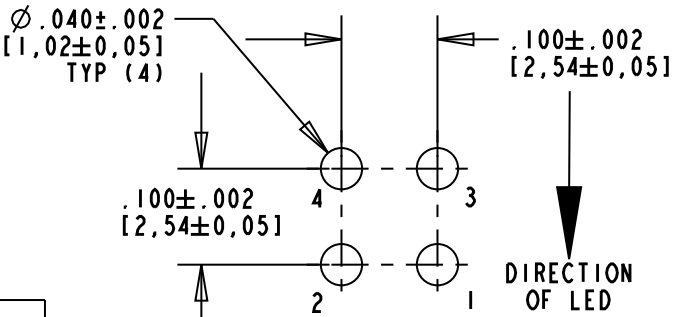
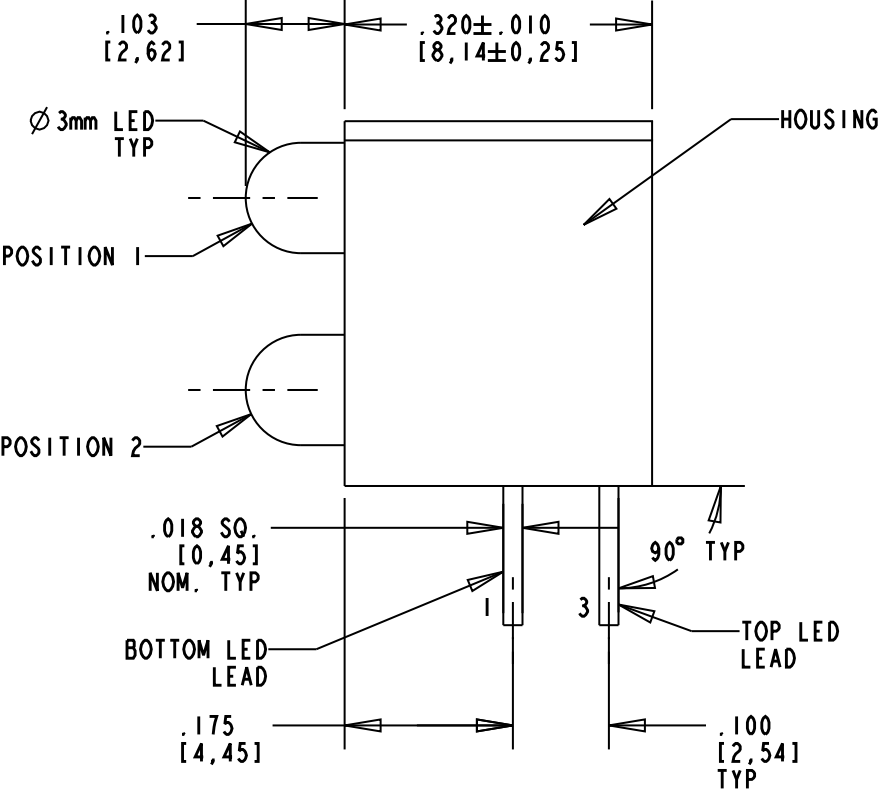
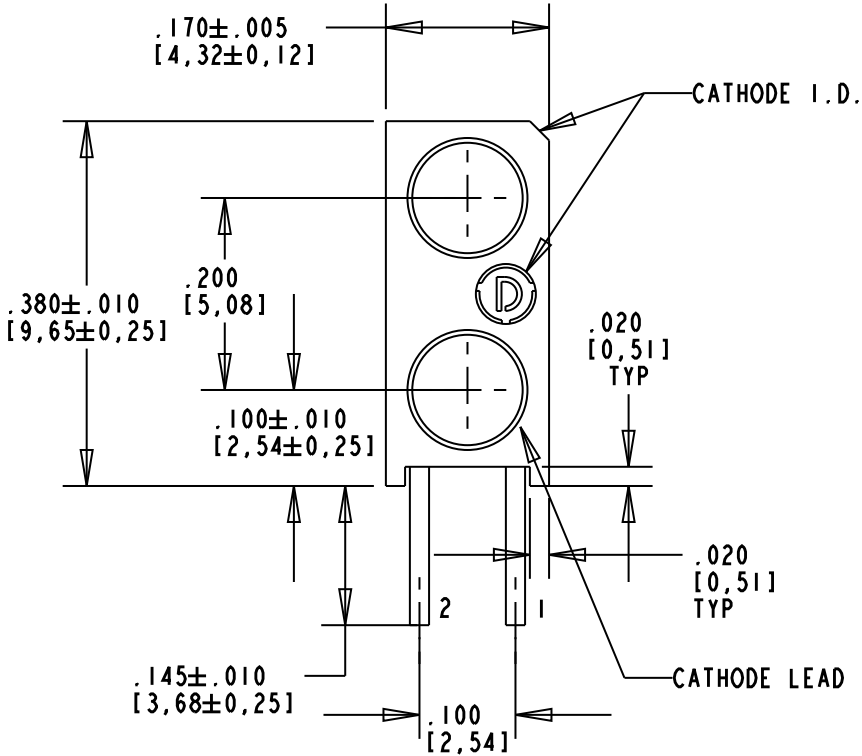
| OPERATING TEMPERATURES AT 25°C AMBIENT | | | | | | |
|--|--------|-----|-----|-----|---------|-----------------------|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | YELLOW | 10 | 30 | 50 | mcd | I _f = 10mA |
| | RED | 8.7 | 29 | | | |
| | GREEN | 32 | 50 | | | |
| FORWARD VOLTAGE | YELLOW | | 2.1 | 2.8 | V | I _f = 20mA |
| | RED | | 2.0 | 2.8 | | |
| | GREEN | | 2.1 | 2.8 | | |
| PEAK WAVELENGTH | YELLOW | | 585 | | nm | |
| | RED | | 635 | | | |
| | GREEN | | 565 | | | |
| DOMINANT WAVELENGTH | YELLOW | | 588 | | nm | |
| | RED | | 623 | | | |
| | GREEN | | 569 | | | |
| REVERSE CURRENT | YELLOW | | | 100 | μA | V _r = 5V |
| | RED | | | 100 | | |
| | GREEN | | | 100 | | |
| VIEWING ANGLE | ALL | | 45 | | DEGREES | |

| ABSOLUTE MAXIMUM RATING AT 25 °C AMBIENT | | | | |
|---|--------------|-----|-------|-------|
| CHARACTERISTICS | YELLOW | RED | GREEN | UNITS |
| POWER DISSIPATION | 60 | 100 | 100 | mW |
| DERATE LINEARLY FROM 50°C | 0.25 | 0.4 | 0.4 | mA/°C |
| CONTINUOUS FORWARD CURRENT | 20 | 30 | 30 | mA |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 μs PULSE WIDTH) | 80 | 120 | 120 | mA |
| REVERSE VOLTAGE | 5 | | | V |
| LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY | 260 | | | °C |
| OPERATING TEMPERATURE | -55° TO +100 | | | °C |
| STORAGE TEMPERATURE | -55 TO +100 | | | °C |

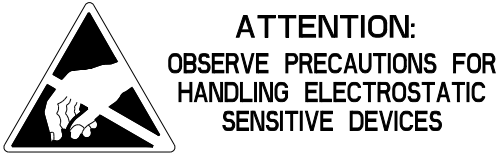
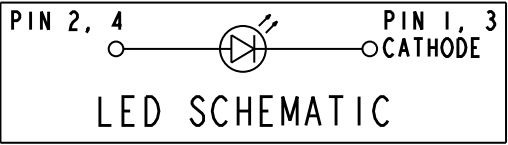
RoHS Compliant 553-22XXF Thru Hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 553-2203F
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.

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|--|-----|-----|------|----------|
| A | — | NEW RELEASE | TWC | TC | N.O. | 7-11-05 |
| B | — | 553-2233F IN RoHS COMPLIANT NOTE TITLE WAS 550-2233F | TWC | — | — | — |
| C | — | ADDED P/N'S 553-2203F, -2211F, -2212F, 2222F, - 2223F, -2232F TO DRAWING; ADDED DUAL DIMS, LED SCHEMATIC, ESDS LOGO NOTE 3 & 5 TO DRAWING. | AJF | KLJ | NO | 12-10-09 |



- NOTES:
1. LEADS TO BE FIT INTO HOLES .040 DIA. SPACED AS PER PATTERN.
 2. LEAD DIMENSIONS MEASURED AT HOUSING EXIT.
 3. UNITS TO BE PACKED IN MULTIPLES OF FIVE.
 4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 5. DIALIGHT PART NUMBER 553-22XXF.
 6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



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| 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: DRAWING SCALE ALL DIM'S IN: INCHES (MM) | DRAWING NUMBER C-17265 | REV C |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015 | TITLE 3 mm BI-LEVEL Y-Y, RoHS COMPLIANT | |
| ANGLES: ±3° | MATERIAL | |
| FINISH: | Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| FSCM 83330 | SHEET 1 OF 1 | FAMILY TABLE: |