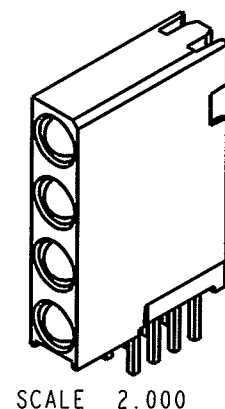
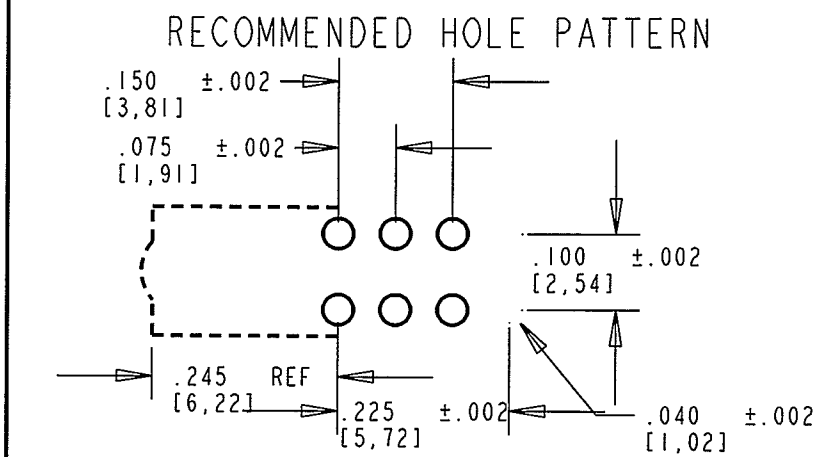
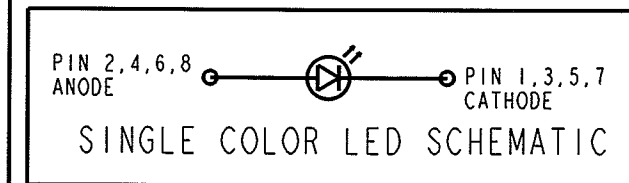
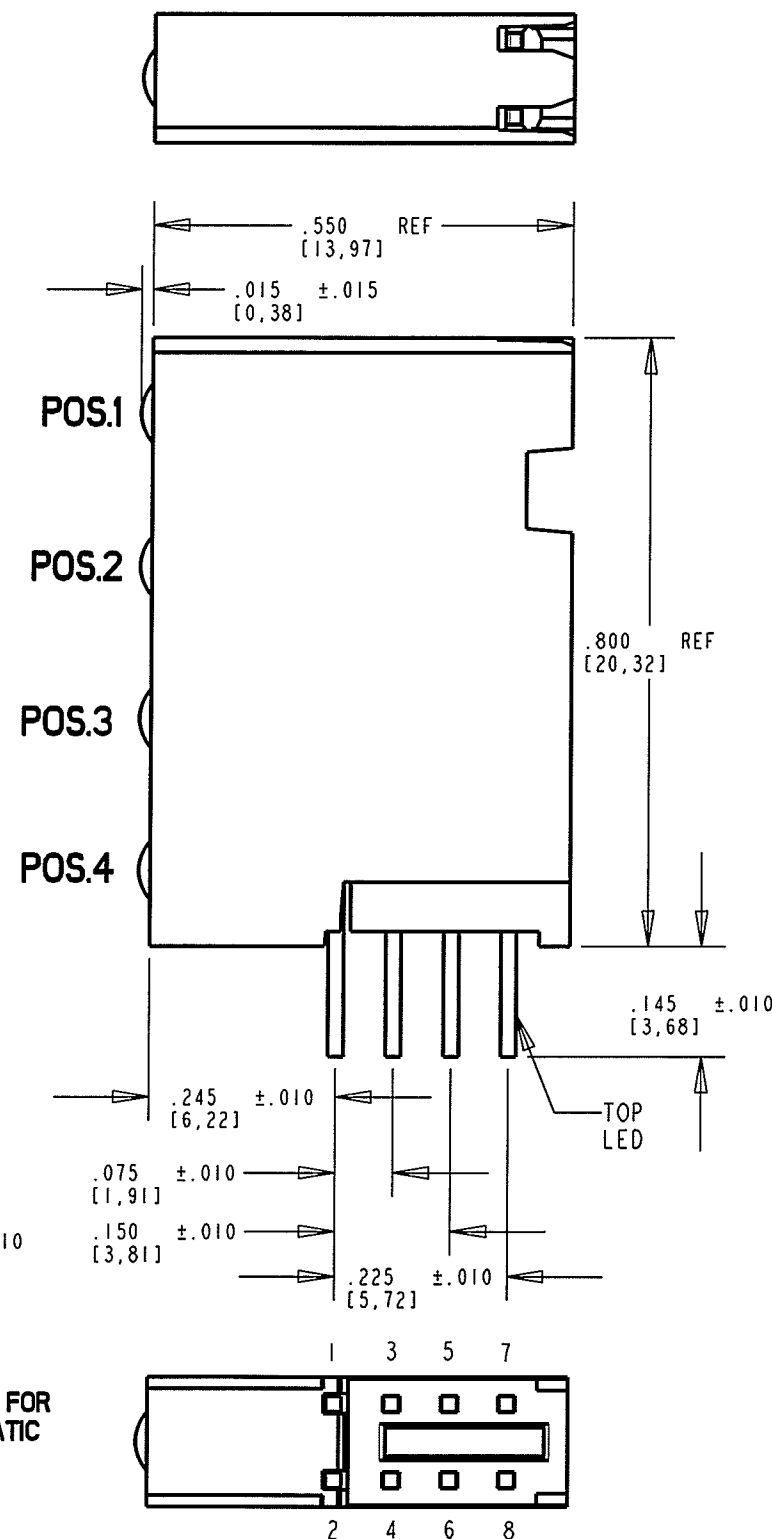


| PART NUMBER    | LED COLOR |        |        |        |
|----------------|-----------|--------|--------|--------|
|                | POS. 1    | POS. 2 | POS. 3 | POS. 4 |
| 568-2211-023F  | RED       | BLANK  | GREEN  | YELLOW |
| 568-2211-111F  | RED       | RED    | RED    | RED    |
| 568-2211-112F  | RED       | RED    | RED    | GREEN  |
| 568-2211-122F  | RED       | RED    | GREEN  | GREEN  |
| 568-2211-132F  | RED       | RED    | YELLOW | GREEN  |
| 568-2211-133F  | RED       | RED    | YELLOW | YELLOW |
| 568-2211-212F  | RED       | GREEN  | RED    | GREEN  |
| 568-2211-232F  | RED       | GREEN  | YELLOW | GREEN  |
| 568-2211-310F  | RED       | YELLOW | RED    | BLANK  |
| 568-2211-311F  | RED       | YELLOW | RED    | RED    |
| 568-2211-312F  | RED       | YELLOW | RED    | GREEN  |
| 568-2212-102F  | GREEN     | RED    | BLANK  | GREEN  |
| 568-2212-113F  | GREEN     | RED    | RED    | YELLOW |
| 568-2212-131F  | GREEN     | RED    | YELLOW | RED    |
| 568-2212-222F  | GREEN     | GREEN  | GREEN  | GREEN  |
| 568-2212-223F  | GREEN     | GREEN  | GREEN  | YELLOW |
| 568-2212-232F  | GREEN     | GREEN  | YELLOW | GREEN  |
| 568-2212-233F  | GREEN     | GREEN  | YELLOW | YELLOW |
| *568-2212-239F | GREEN     | GREEN  | YELLOW | BLUE   |
| 568-2212-322F  | GREEN     | YELLOW | GREEN  | GREEN  |
| 568-2212-323F  | GREEN     | YELLOW | GREEN  | YELLOW |
| *568-2212-329F | GREEN     | YELLOW | GREEN  | BLUE   |
| 568-2213-111F  | YELLOW    | RED    | RED    | RED    |
| 568-2213-232F  | YELLOW    | GREEN  | YELLOW | GREEN  |
| *568-2213-292F | YELLOW    | GREEN  | BLUE   | GREEN  |
| 568-2213-333F  | YELLOW    | YELLOW | YELLOW | YELLOW |



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

| ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT                       |       |             |       |            |      |
|---------------------------------------------------------------|-------|-------------|-------|------------|------|
|                                                               | UNITS | RED         | GREEN | YELLOW     | BLUE |
| POWER DISSIPATION                                             | mW    | 100         | 100   | 60         | 140  |
| DERATE LINEARLY FROM 50°C / 25°C FOR BLUE                     | mA/°C | 0.4         | 0.4   | 0.25       | 0.32 |
| CONTINUOUS FORWARD CURRENT                                    | mA    | 30          | 30    | 20         | 30   |
| PEAK FORWARD CURRENT<br>(1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | mA    | 120         | 120   | 80         | 100  |
| LEAD SOLDERING TEMPERATURE<br>5 SEC., 1/16" FROM BODY         | °C    | 260         |       |            |      |
| OPERATING TEMPERATURE                                         | °C    | -55 TO +100 |       | -35 TO +85 |      |
| STORAGE TEMPERATURE                                           | °C    | -55 TO +100 |       | -35 TO +85 |      |



| REV | ECN NO | REVISIONS               | DRN | CKD  | APP     | DATE     |
|-----|--------|-------------------------|-----|------|---------|----------|
| A   | —      | NEW RELEASE             | TC  | MES  | NO      | 12-14-05 |
| B   | —      | ADDED P/N 568-2212-113F | TC  | N.O. | MES     | 6-27-07  |
| C   | —      | UPDATED BLUE LED SPECS  | KLJ | 7.0  | 12-7-08 |          |

| OPERATING CHARACTERISTICS AT 25°C AMBIENT |           |     |     |     |        |                 |
|-------------------------------------------|-----------|-----|-----|-----|--------|-----------------|
| CHARACTERISTICS                           | LED COLOR | MIN | TYP | MAX | UNITS  | TEST CONDITIONS |
| LUMINOUS INTENSITY                        | RED       | 8.7 | 29  |     | mcd    | If = 10 mA      |
|                                           | GREEN     | 32  | 50  |     |        |                 |
|                                           | YELLOW    | 10  |     | 50  |        |                 |
|                                           | BLUE      | 110 |     | 310 |        | If = 20 mA      |
| FORWARD VOLTAGE                           | RED       |     | 2.0 | 2.8 | V      | If = 20 mA      |
|                                           | GREEN     |     | 2.1 | 2.8 |        |                 |
|                                           | YELLOW    |     | 2.1 | 2.8 |        |                 |
|                                           | BLUE      |     | 3.5 | 4.0 |        |                 |
| REVERSE CURRENT                           | RED       |     | 100 |     | µA     | Vr = 5 V        |
|                                           | GREEN     |     | 100 |     |        |                 |
|                                           | YELLOW    |     | 100 |     |        |                 |
|                                           | BLUE      |     |     | 10  |        |                 |
| PEAK WAVELENGTH                           | RED       |     | 635 |     | nm     |                 |
|                                           | GREEN     |     | 565 |     |        |                 |
|                                           | YELLOW    |     | 585 |     |        |                 |
|                                           | BLUE      |     | 470 |     |        |                 |
| VIEWING ANGLE                             | RED       |     | 45  |     | Degree |                 |
|                                           | GREEN     |     | 45  |     |        |                 |
|                                           | YELLOW    |     | 45  |     |        |                 |
|                                           | BLUE      |     | 45  |     |        |                 |

- NOTES:
- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
  - LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING
  - WHEN A ZERO APPEARS IN THE LAST 4 DIGITS OF THE PART NUMBER THIS MEANS NO LAMP REQUIRED IN THAT POSITION
  - LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT
  - PACKAGING = BLOCKS PLACED IN AN ANTISTATIC BAG
  - DIALIGHT PART NUMBER = 568-221X-XXF
  - " \* " ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES. FOR EYE SAFETY DO NOT STARE DIRECTLY INTO THE LIGHT BEAM OF THESE LED DEVICES AT CLOSE RANGE.

### RoHS Compliant 568-221X-XXF Thru hole Quad CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.  
Example: 568-2211-132F  
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.

|                                                                                                                                                                                                                               |                                                        |  |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|-----|
| 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                                                                                                                                                                                                                  | DRAWING NUMBER                                         |  | REV |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                     | C-17336                                                |  | C   |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                     | TITLE EXTENDED 4x1 SINGLE CBI<br>BLOCK, RoHS COMPLIANT |  |     |
| FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.01<br>DECIMALS (.XXX): ±.005<br>DECIMALS (.XXXX): ±.0005<br>ANGLES: ±1°                                                                                                                 | MATERIAL                                               |  |     |
| FINISH:                                                                                                                                                                                                                       | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727           |  |     |
| FSCM 83330                                                                                                                                                                                                                    | SHEET 1 OF 1 FAMILY TABLE:                             |  |     |