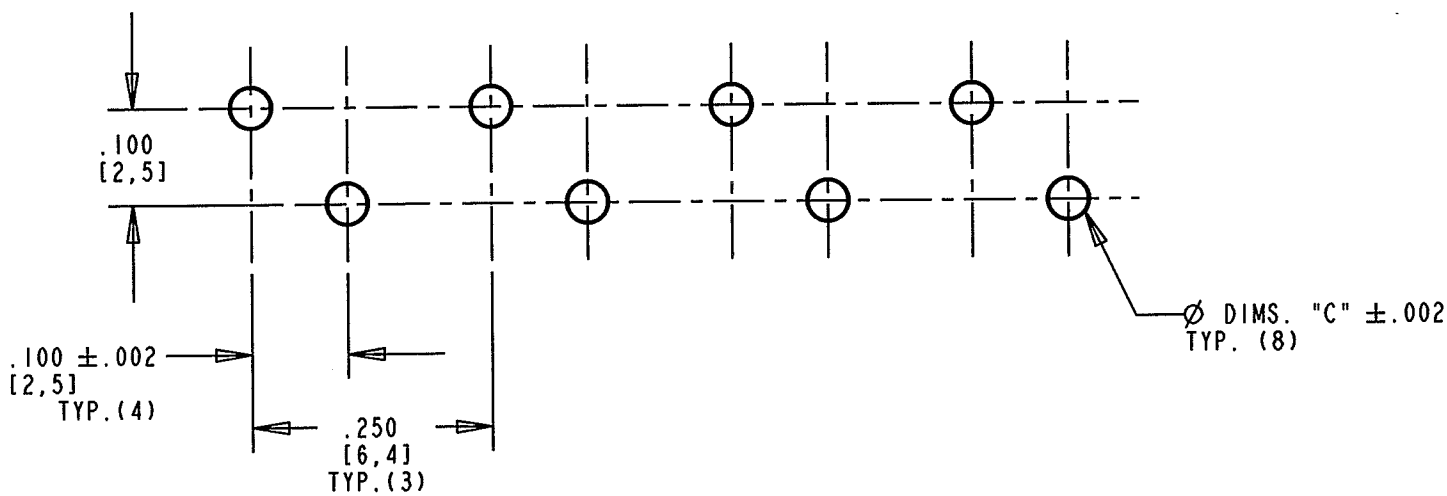
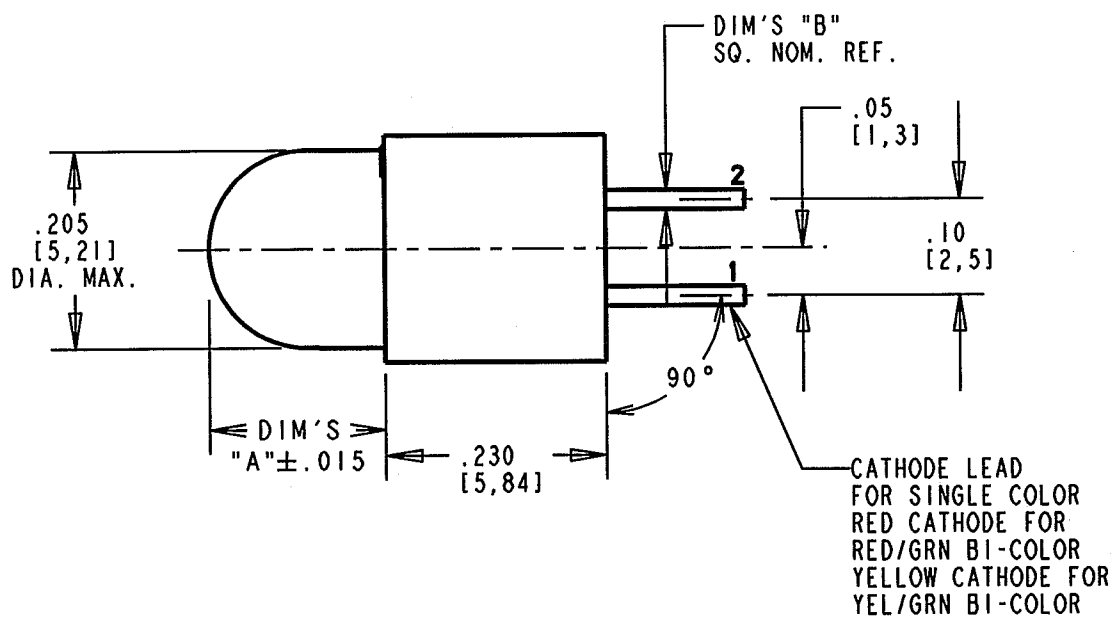
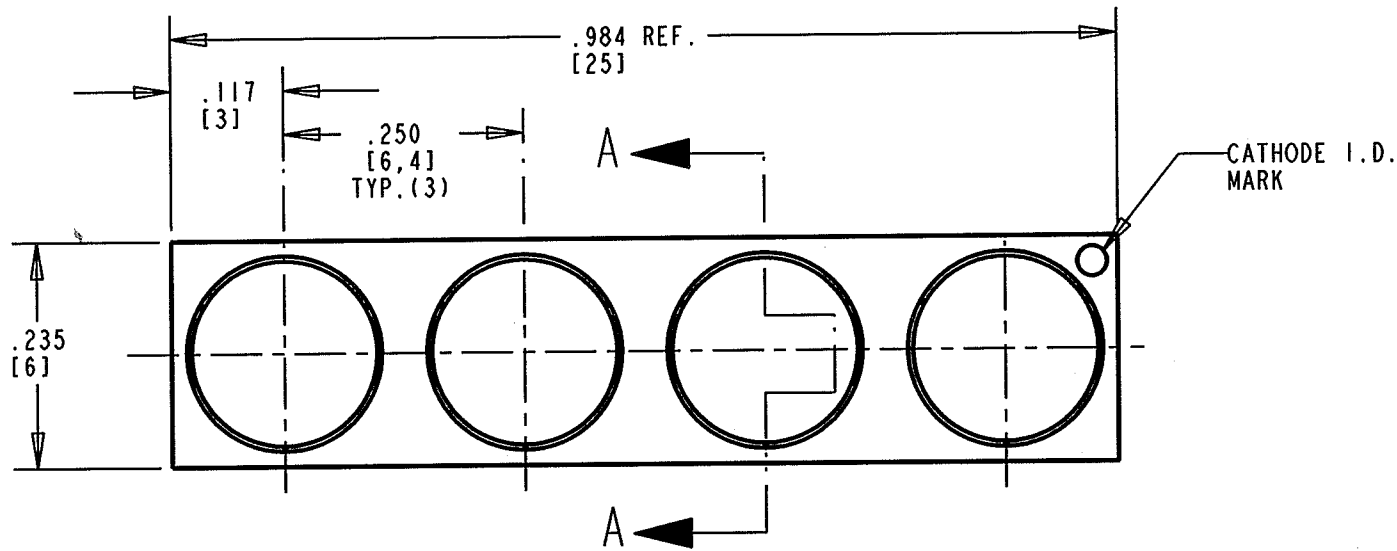
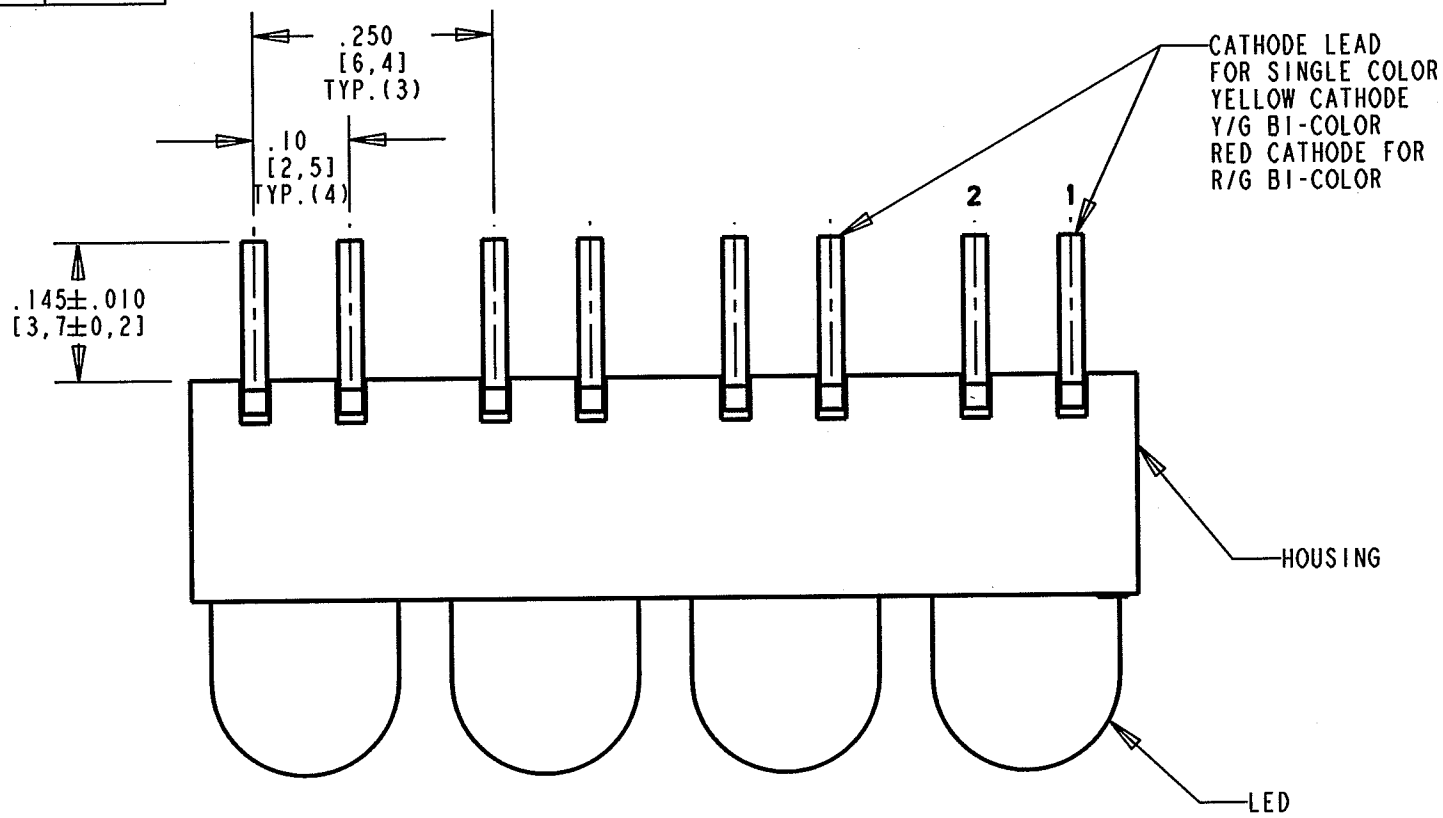
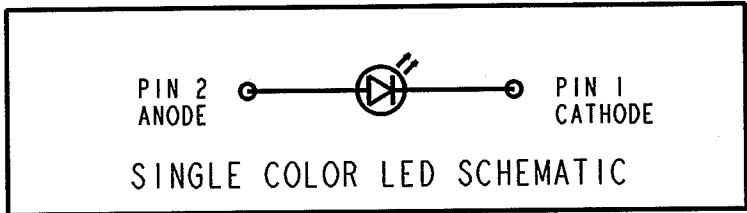
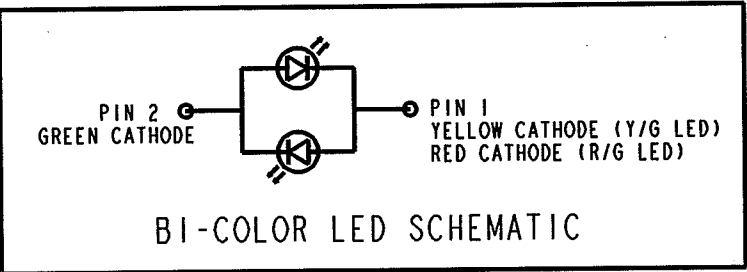


| ASSEMBLY NUMBER | LED COLOR                    | DIM. "A" | DIM. "B" | DIM. "C" | LUM. INT. (MIL)(mcd) | V <sub>F</sub> (MAX.) (V) | I <sub>F</sub> (MAX.) (mA) | I <sub>PEAK</sub> (mA) | TEST. COND. | I <sub>F</sub> (MAX.) • 5V(mA) |
|-----------------|------------------------------|----------|----------|----------|----------------------|---------------------------|----------------------------|------------------------|-------------|--------------------------------|
| 550-0204-004F   | GREEN DIFFUSED               | .125     | .020     | .043     | 3.5                  | 2.8                       |                            | 560                    | 20mA        | 100                            |
| 550-0304-004F   | YELLOW DIFFUSED              | .125     | .020     | .043     | 3.5                  | 2.8                       |                            | 585                    | 20mA        | 100                            |
| 550-0404-004F   | RED DIFFUSED                 | .125     | .020     | .043     | 3.5                  | 2.8                       |                            | 635                    | 20mA        | 100                            |
| 550-0504-004F   | RED DIFFUSED 5 VOLT          | .187     | .025     | .050     | 2.1                  |                           | 15                         | 635                    | 5V          | 100                            |
| 550-0704-004F   | GREEN DIFFUSED 5 VOLT        | .187     | .025     | .050     | 2.0                  |                           | 15                         | 565                    | 5V          | 100                            |
| 550-0804-004F   | YELLOW DIFFUSED 5 VOLT       | .187     | .025     | .050     | 2.0                  |                           | 15                         | 583                    | 5V          | 100                            |
| 550-1104-004F   | RED TINTED DIFFUSED 2mA      | .187     | .018     | .040     | 1.2                  | 2.2                       |                            | 635                    | 2mA         | 50                             |
| 550-1204-004F   | YELLOW TINTED DIFFUSED 2mA   | .187     | .018     | .040     | 2.2                  | 2.7                       |                            | 583                    | 2mA         | 50                             |
| 550-1304-004F   | GREEN TINTED DIFFUSED 2mA    | .187     | .018     | .040     | 2.2                  | 2.2                       |                            | 565                    | 2mA         | 50                             |
| 550-2204-004F   | GREEN DIFFUSED               | .180     | .020     | .043     | 3.6                  | 3.0                       |                            | 563                    | 10mA        |                                |
| 550-2304-004F   | YELLOW DIFFUSED              | .180     | .018     | .043     | 5.7                  | 2.4                       |                            | 583                    | 10mA        | 100                            |
| 550-2404-004F   | RED DIFFUSED                 | .180     | .020     | .043     | 2.2                  | 2.55                      |                            | 650                    | 10mA        | 100                            |
| 550-2504-004F   | ORANGE DIFFUSED              | .187     | .018     | .040     | 4.0                  | 2.4                       |                            | 600                    | 10mA        | 100                            |
| 550-3004-004F   | RED/GRN BI-COLOR             | .180     | .020     | .043     | 29/12.6              | 2.4/2.8                   |                            | 660/565                | 20mA        | 100                            |
| 550-3104-004F   | YELLOW/GRN BI-COLOR          | .180     | .020     | .043     | 2.5                  | 2.8                       |                            | 585/565                | 20mA        | 100                            |
| 550-5104-004F   | RED DIFFUSED                 | .180     | .020     | .043     | 17                   | 2.55                      |                            | 650                    | 20mA        | 10                             |
| 550-5204-004F   | GREEN TINTED DIFFUSED        | .180     | .020     | .043     | 17                   | 3.0                       |                            | 563                    | 20mA        | 10                             |
| 550-5304-004F   | YELLOW TINTED DIFFUSED       | .180     | .020     | .043     | 17                   | 3.0                       |                            | 585                    | 20mA        | 10                             |
| 550-5404-004F   | AMBER TINTED DIFFUSED        | .180     | .020     | .043     | 17                   | 3.0                       |                            | 610                    | 20mA        | 10                             |
| 550-5504-004F   | RED NON-DIFF. WATER CLEAR    | .187     | .018     | .040     | 80                   | 3.0                       |                            | 635                    | 20mA        | 100                            |
| 550-5604-004F   | GREEN NON-DIFF. WATER CLEAR  | .187     | .018     | .040     | 80                   | 3.0                       |                            | 585                    | 20mA        | 100                            |
| 550-5704-004F   | YELLOW NON-DIFF. WATER CLEAR | .187     | .018     | .040     | 80                   | 3.0                       |                            | 583                    | 20mA        | 100                            |



RECOMMENDED PCB HOLE PATTERN

| REV | ECN NO | REVISIONS                                                                                                                                                                                                                 | DRN | CKD  | APP | DATE     |
|-----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|----------|
| A   |        | NEW RELEASE                                                                                                                                                                                                               | TC  | N.O. | MES | 12-22-06 |
| B   |        | UPDATED FOLLOWING SPECS FOR 550-0504-004F: MIN LUM INT "2.1" WAS "1.0"; MAX IF "15" WAS "20"; PEAK WAVELENGTH "635" WAS "655"; ADDED RoHS COMPLIANT NOTE; ADDED ±.015 TOL TO DIM "A"; ".10" WAS ".100"; ".05" WAS ".050". | KLJ |      |     | 52-08    |

RoHS COMPLIANT 550-XX04-004F

Part Numbers with the "F" suffix ending are RoHS Compliant.  
For example: 550-XX04-004F  
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.

- NOTES:
- LEADS TO FIT INTO HOLE PATTERN AS SHOWN.
  - LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
  - PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
  - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES(ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
  - DIALIGHT PART NUMBER: 550-XX04-004F

|                                                                                                                                                                                                                               |                |                         |               |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|---------------|--|--|
| 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                                                                                                                                                                                                          | DRAWING NUMBER | REV                     |               |  |  |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                     | C-17445        | B                       |               |  |  |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                        | TITLE          | 5mm VERTICAL QUAD BLOCK |               |  |  |
| FRACTIONS: ±1/64                                                                                                                                                                                                              |                | RoHS COMPLIANT          |               |  |  |
| DECIMALS (.XX): ±.01                                                                                                                                                                                                          | MATERIAL       |                         |               |  |  |
| DECIMALS (.XXX): ±.005                                                                                                                                                                                                        |                |                         |               |  |  |
| DECIMALS (.XXXX): ±.0005                                                                                                                                                                                                      |                |                         |               |  |  |
| ANGLES: ±1°                                                                                                                                                                                                                   |                |                         |               |  |  |
| FINISH:                                                                                                                                                                                                                       | Dialight       | 1501 ROUTE 34 SOUTH     |               |  |  |
| FSCM                                                                                                                                                                                                                          | 83330          | FARMINGDALE, NJ 07727   |               |  |  |
|                                                                                                                                                                                                                               | SHEET          | 1 OF 1                  | FAMILY TABLE: |  |  |