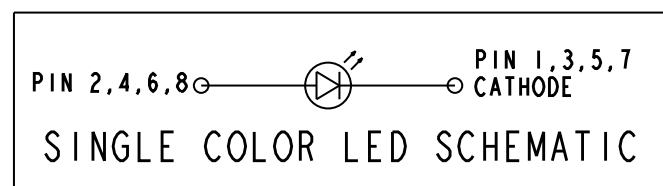
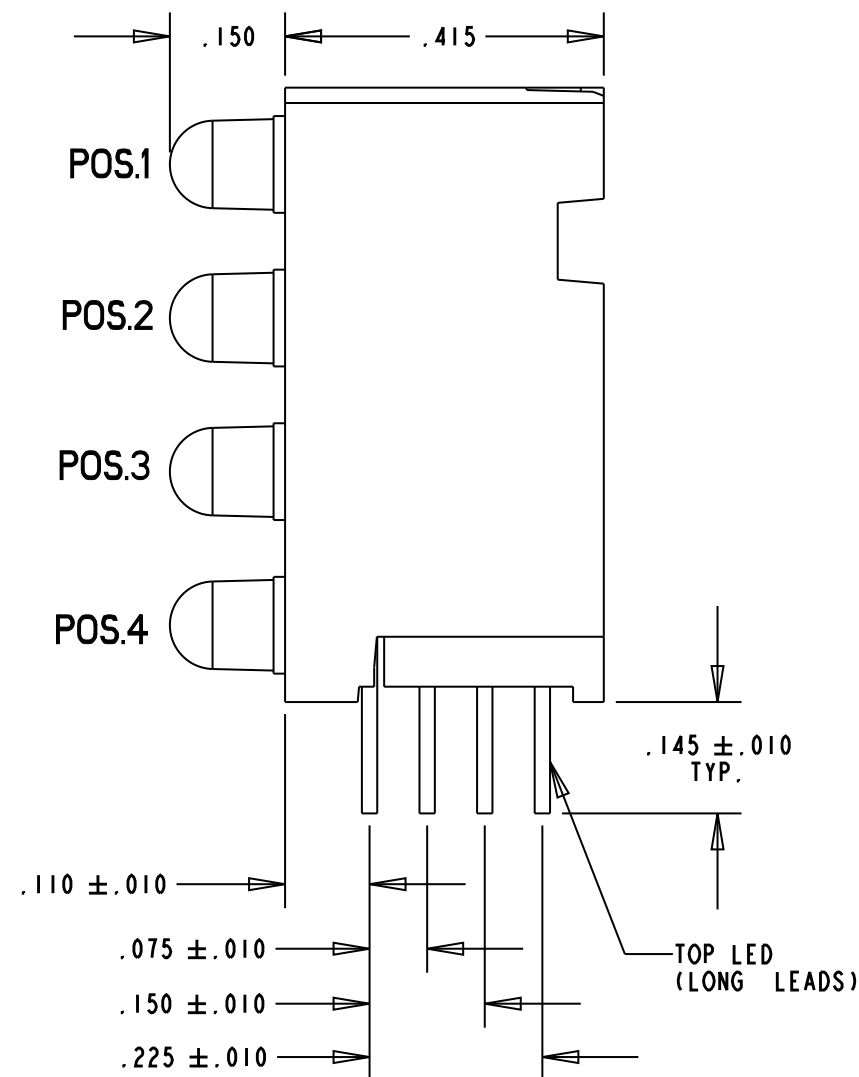
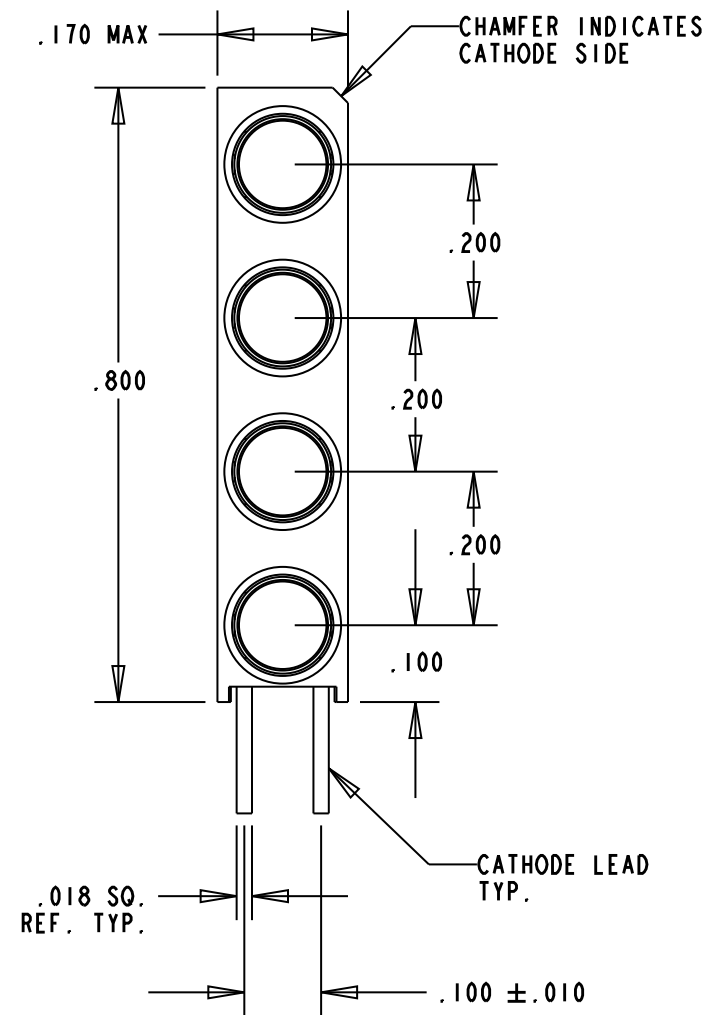
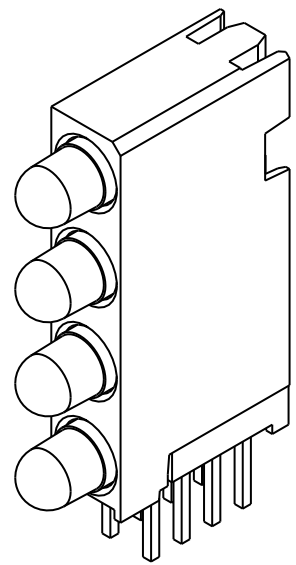
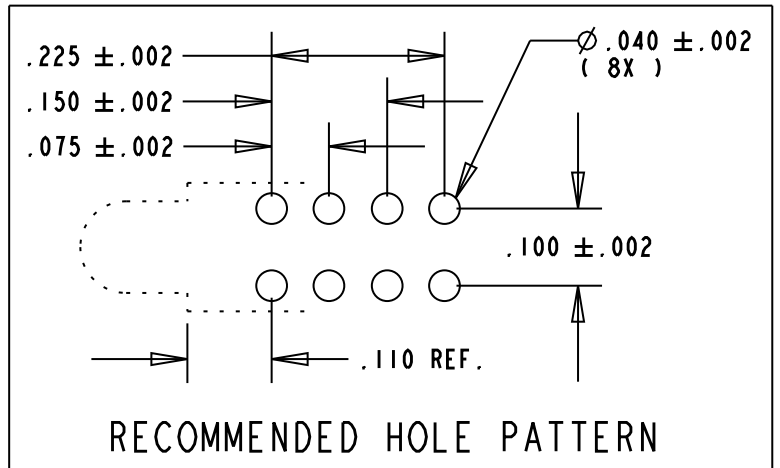


| PART NUMBER and LEGEND | LED COLOR | | | |
|---------------------------|-------------|-------------|--------------------|-------------|
| | POS 1 | POS 2 | POS 3 | POS 4 |
| 568-0100-021F | ** BLANK ** | ** BLANK ** | GREEN | RED |
| 568-0100-022F | ** BLANK ** | ** BLANK ** | GREEN | GREEN |
| 568-0100-132F | ** BLANK ** | RED | YELLOW | GREEN |
| 568-0100-220F | ** BLANK ** | GREEN | GREEN | ** BLANK ** |
| 568-0100-310F | ** BLANK ** | YELLOW | RED | ** BLANK ** |
| 568-0101-001F | * RED * | ** BLANK ** | ** BLANK ** | RED |
| 568-0101-010F | * RED * | ** BLANK ** | RED | ** BLANK ** |
| 568-0101-023F | * RED * | ** BLANK ** | GREEN | YELLOW |
| 568-0101-000F | * RED * | ** BLANK ** | ** BLANK ** | ** BLANK ** |
| 568-0101-110F | * RED * | RED | RED | ** BLANK ** |
| 568-0101-011F | * RED * | ** BLANK ** | RED | RED |
| 568-0101-111F | * RED * | RED | RED | RED |
| 568-0101-112F | * RED * | RED | RED | GREEN |
| 568-0101-122F | * RED * | RED | GREEN | GREEN |
| 568-0101-123F | * RED * | RED | GREEN | YELLOW |
| 568-0101-132F | * RED * | RED | YELLOW | GREEN |
| 568-0101-212F | * RED * | GREEN | RED | GREEN |
| 568-0101-222F | * RED * | GREEN | GREEN | GREEN |
| 568-0101-232F | * RED * | GREEN | YELLOW | GREEN |
| 568-0101-233F | * RED * | GREEN | YELLOW | YELLOW |
| 568-0101-237F | * RED * | GREEN | YELLOW | ORANGE |
| 568-0101-312F | * RED * | YELLOW | RED | GREEN |
| 568-0101-321F | * RED * | YELLOW | GREEN | RED |
| 568-0101-322F | * RED * | YELLOW | GREEN | GREEN |
| 568-0101-323F | * RED * | YELLOW | GREEN | YELLOW |
| 568-0101-332F | * RED * | YELLOW | YELLOW | GREEN |
| 568-0101-333F | * RED * | YELLOW | YELLOW | YELLOW |
| 568-0101-723F | * RED * | ORANGE | GREEN | YELLOW |
| 568-0102-000F | * GREEN * | ** BLANK ** | ** BLANK ** | ** BLANK ** |
| 568-0102-010F | * GREEN * | ** BLANK ** | RED | ** BLANK ** |
| 568-0102-020F | * GREEN * | ** BLANK ** | GREEN | ** BLANK ** |
| 568-0102-073F | * GREEN * | ** BLANK ** | ORANGE | YELLOW |
| 568-0102-102F | * GREEN * | RED | ** BLANK ** | GREEN |
| 568-0102-111F | * GREEN * | RED | RED | RED |
| 568-0102-113F | * GREEN * | RED | RED | YELLOW |
| 568-0102-120F | * GREEN * | RED | GREEN | ** BLANK ** |
| 568-0102-121F | * GREEN * | RED | GREEN | RED |
| 568-0102-122F | * GREEN * | RED | GREEN | GREEN |
| 568-0102-123F | * GREEN * | RED | GREEN | YELLOW |
| 568-0102-133F | * GREEN * | RED | YELLOW | YELLOW |
| 568-0102-173F | * GREEN * | RED | ORANGE | YELLOW |
| 568-0102-173F | * GREEN * | RED | ORANGE | ORANGE |
| 568-0102-190F | * GREEN * | RED | BLUE (WATER CLEAR) | ** BLANK ** |
| 568-0102-200F | * GREEN * | GREEN | ** BLANK ** | ** BLANK ** |
| 568-0102-201F | * GREEN * | GREEN | ** BLANK ** | RED |
| 568-0102-211F | * GREEN * | GREEN | RED | RED |
| 568-0102-212F | * GREEN * | GREEN | RED | GREEN |
| 568-0102-213F | * GREEN * | GREEN | RED | YELLOW |
| 568-0102-220F | * GREEN * | GREEN | GREEN | ** BLANK ** |
| 568-0102-221F | * GREEN * | GREEN | GREEN | RED |
| 568-0102-222F | * GREEN * | GREEN | GREEN | GREEN |
| 568-0102-223F | * GREEN * | GREEN | GREEN | YELLOW |
| 568-0102-227F | * GREEN * | GREEN | GREEN | ORANGE |
| 568-0102-231F | * GREEN * | GREEN | YELLOW | RED |
| 568-0102-232F | * GREEN * | GREEN | YELLOW | GREEN |
| 568-0102-233F | * GREEN * | GREEN | YELLOW | YELLOW |
| 568-0102-311F | * GREEN * | YELLOW | RED | RED |
| 568-0102-312F | * GREEN * | YELLOW | RED | GREEN |
| 568-0102-321F | * GREEN * | YELLOW | GREEN | RED |
| 568-0102-323F | * GREEN * | YELLOW | GREEN | YELLOW |
| 568-0102-331F | * GREEN * | YELLOW | YELLOW | RED |
| 568-0102-332F | * GREEN * | YELLOW | YELLOW | GREEN |
| 568-0102-333F | * GREEN * | YELLOW | YELLOW | YELLOW |
| 568-0102-727F | * GREEN * | ORANGE | GREEN | ORANGE |
| 568-0103-000F | * YELLOW * | ** BLANK ** | ** BLANK ** | ** BLANK ** |
| 568-0103-003F | * YELLOW * | ** BLANK ** | ** BLANK ** | YELLOW |
| 568-0103-022F | * YELLOW * | ** BLANK ** | GREEN | GREEN |
| 568-0103-030F | * YELLOW * | ** BLANK ** | YELLOW | ** BLANK ** |
| 568-0103-031F | * YELLOW * | ** BLANK ** | YELLOW | RED |
| 568-0103-111F | * YELLOW * | RED | RED | RED |
| 568-0103-112F | * YELLOW * | RED | RED | GREEN |
| 568-0103-120F | * YELLOW * | RED | GREEN | ** BLANK ** |
| 568-0103-122F | * YELLOW * | RED | GREEN | GREEN |
| 568-0103-131F | * YELLOW * | RED | YELLOW | RED |
| 568-0103-200F | * YELLOW * | GREEN | ** BLANK ** | ** BLANK ** |
| 568-0103-210F | * YELLOW * | GREEN | RED | ** BLANK ** |
| 568-0103-220F | * YELLOW * | GREEN | GREEN | ** BLANK ** |
| 568-0103-222F | * YELLOW * | GREEN | GREEN | GREEN |
| 568-0103-232F | * YELLOW * | GREEN | YELLOW | GREEN |
| 568-0103-312F | * YELLOW * | YELLOW | RED | GREEN |
| 568-0103-330F | * YELLOW * | YELLOW | YELLOW | ** BLANK ** |
| 568-0103-333F | * YELLOW * | YELLOW | YELLOW | YELLOW |



| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|---|-----|------|------|----------|
| A | | NEW RELEASE | TWC | TC | N.O. | 8-9-05 |
| B | | ADDED P/N 568-0100-220F; ADDED ESD NOTE 6 & LOGO ON ALL PRODUCTS; CHANGED TITLE DESCRIPTION | TWC | N.O. | MES | 6-6-06 |
| C | | ADDED P/N'S 568-0102-073F AND 568-0102-190F; ADDED BLUE LED SPECS. | TC | N.O. | MES | 9-8-06 |
| D | | ADDED P/N 568-0101-123F & 568-0103-112F | SM | N.O. | MES | 11-2-06 |
| E | | ADDED P/N 568-0100-310F | TC | N.O. | MES | 6-27-07 |
| F | | UPDATED BLUE LED SPECS | KLJ | N.O. | MES | 2-7-08 |
| G | | ADDED P/N 568-0101-132F | KLJ | N.O. | MES | 5-1-09 |
| H | | ADDED P/N'S 568-0103-122F & 568-0101-001F | AJF | KLJ | SM | 12-11-09 |



| OPERATING CHARACTERISTICS AT 25°C AMBIENT | | | | | | |
|---|--------|-----|------|-----|-------|------------------------|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 7.4 | 10.0 | | mcd | I _r = 10 mA |
| | YELLOW | 7.4 | 10.0 | | | |
| | GREEN | 4.7 | 12.6 | | | |
| | ORANGE | 3.4 | 7.0 | | | |
| | BLUE | 110 | | 310 | | |
| FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | I _r = 20 mA |
| | YELLOW | | 2.1 | 2.8 | | |
| | GREEN | | 2.1 | 2.8 | | |
| | ORANGE | 1.5 | 2.2 | 3.0 | | |
| REVERSE CURRENT | ALL | | | 100 | µA | V _r = 5 V |
| | BLUE | | | 10 | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |
| | ORANGE | | 600 | | | |
| VIEWING ANGLE | ALL | | 60 | | DEG | |
| | BLUE | | 45 | | | |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | | | | | | | |
|--|-----|--------|-------|-------------|------------|-------|----|
| POWER DISSIPATION | RED | YELLOW | GREEN | ORANGE | BLUE | UNITS | |
| | 100 | 60 | 100 | 135 | 140 | mW | |
| DERATE LINEARLY FROM 50°C / 25°C FOR BLUE | 0.4 | 0.25 | 0.4 | 0.5 | 0.32 | mA/°C | |
| CONTINUOUS FORWARD CURRENT | 30 | 20 | 30 | 25 | 30 | mA | |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 120 | 80 | 120 | 90 | 100 | mA | |
| SOLDERING TEMPERATURE (FOR 5 SECONDS) | | | | | | 260 | °C |
| OPERATING TEMPERATURE | | | | -55 TO +100 | -35 TO +85 | °C | |
| STORAGE TEMPERATURE | | | | -55 TO +100 | -35 TO +85 | °C | |

- NOTES:
- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
 - 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.
 - PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
 - DIALIGHT PART NUMBER = 568-010X-XXXX (SEE CHART FOR ALL PART NUMBERS)
 - 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 568-010x-xxx F Thru hole Quad-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. Example: 568-0100-021F, 568-0103-333F 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.



ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

| | | |
|---|-----------------------------------|----------------|
| 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-17278 | H |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE STANDARD 3MM QUAD LEVEL CBI | |
| FRACTIONS: ±1/64 | ROHS COMPLIANT | |
| DECIMALS (.XX): ±.02 | MATERIAL | |
| DECIMALS (.XXX): ±.015 | Dialight | |
| ANGLES: ±3° | 1501 ROUTE 34 SOUTH | |
| FINISH: | FARMINGDALE, NJ 07727 | |
| FSCM 83330 | SHEET 1 OF 1 | FAMILY TABLES: |