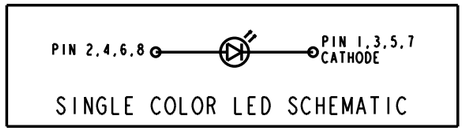
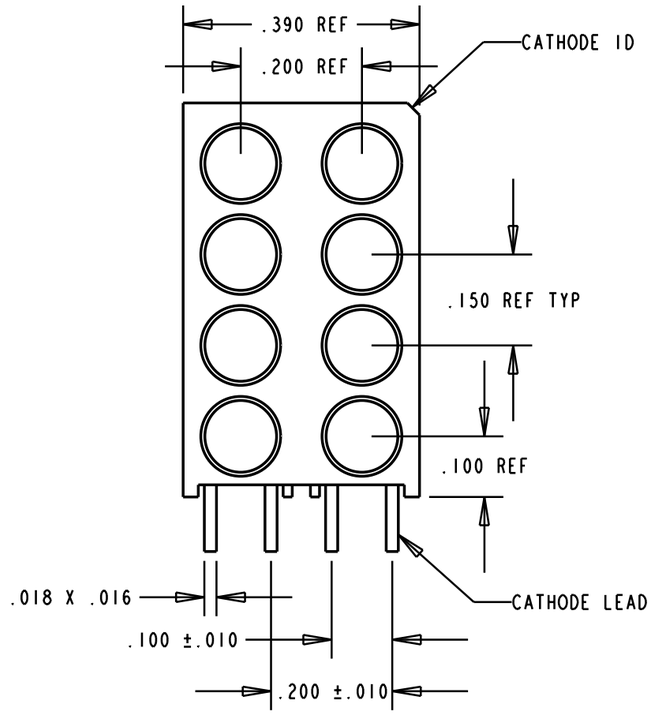
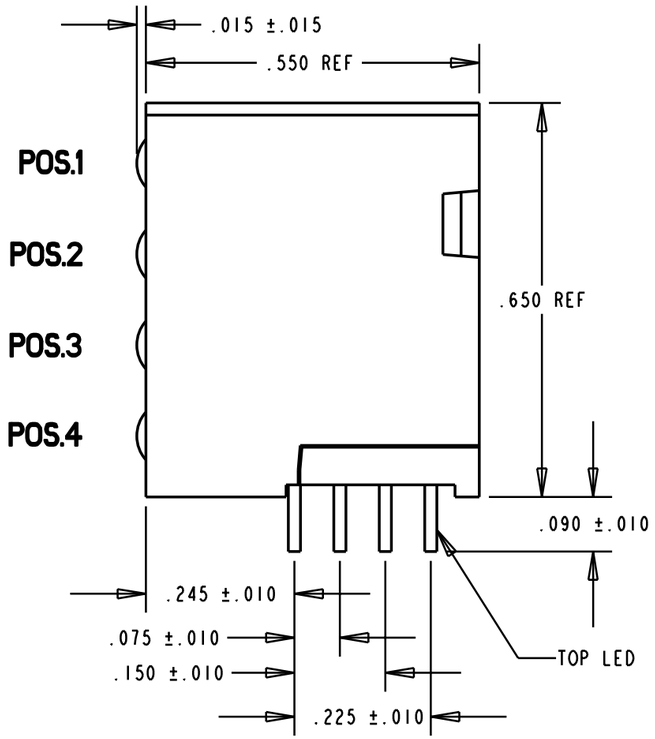
| PART NUMBER | POSITION 1 | POSITION 2 | POSITION 3 | POSITION 4 |
|---|---|---|---|---|
| 568-2231-1112 | RED NON-DIFFUSED | RED NON-DIFFUSED | RED NON-DIFFUSED | RED NON-DIFFUSED |
| 568-2232-2222 | GREEN NON-DIFFUSED | GREEN NON-DIFFUSED | GREEN NON-DIFFUSED | GREEN NON-DIFFUSED |
| 568-2233-3332 | YELLOW NON-DIFFUSED | YELLOW NON-DIFFUSED | YELLOW NON-DIFFUSED | YELLOW NON-DIFFUSED |

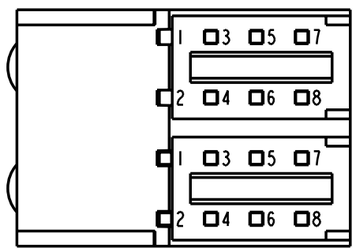


SINGLE COLOR LED SCHEMATIC

| REV. | ECN NO. | REVISIONS | DRN. | CKD. | APP. | DATE |
|---|---|---|---|---|---|---|
| A | —— | NEW RELEASE | TC | | | |



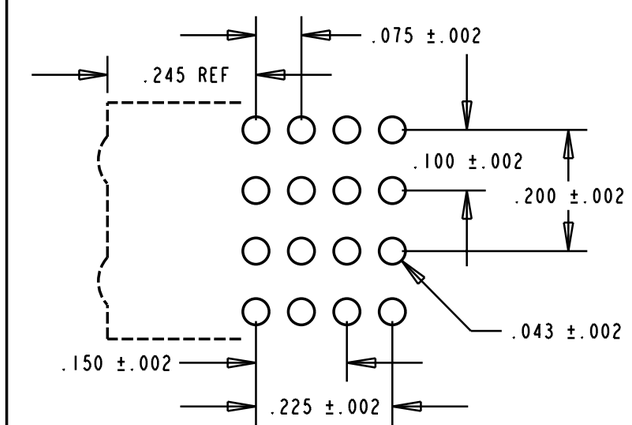




NOTES:

1- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
2- LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING
3- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART
4- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT
5- PACKAGING =
   BLOCKS ARE PLACED IN CLEAR ANTISTATIC TRAY
   100 BLOCKS PER TRAY
6- DIALIGHT PART NUMBER: 568-223X-XXX2

RECOMMENDED HOLE PATTERN




| 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 mA |
| | GREEN | 32 | 50 | | | |
| | YELLOW | 10 | | 50 | | |
| FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | I F = 20 mA |
| | GREEN | | 2.1 | 2.8 | | |
| | YELLOW | | 2.1 | 2.8 | | |
| REVERSE CURRENT | ALL | | 100 | | µA | V R = 5 V |
| PEAK WAVELENGTH | RED | | 635 | | nm | |
| | GREEN | | 565 | | | |
| | YELLOW | | 585 | | | |
| VIEWING ANGLE | ALL | | 45 | | Degree | |
| CAPACITANCE | RED | | 20 | | pf | V F=0, f=1MHz |
| | GREEN | | 35 | | | |
| | YELLOW | | 15 | | | |

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

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SCALE 4:1
ALL DIM'S IN: INCHES
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.020
DECIMALS (.XXX): ±.015
DECIMALS (.XXXX):
ANGLES: ±1°
FINISH:
FSCM 83330

DRAWING NUMBER C-16596
REV A
TITLE 4X2 CBI ARRAY BLOCK
MATERIAL

Dialight
1913 ATLANTIC AVE.
MANASQUAN, N.J. 08736

SHEET OF
FAMILY TABLE: