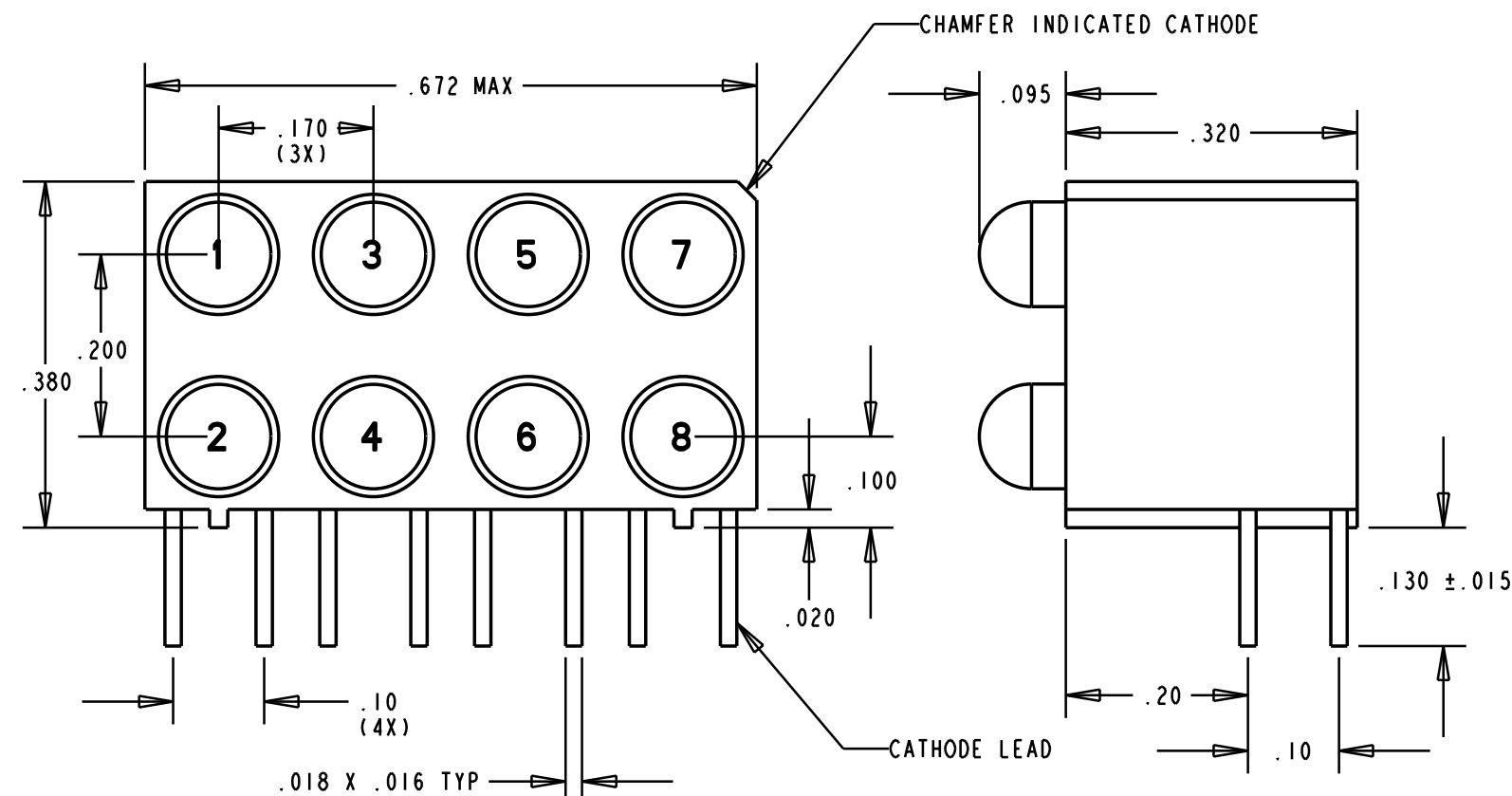


| REV. | ECN NO. | REVISIONS | DRN. | CKD. | APP. | DATE |
|------|---------|----------------------------|------|------|------|---------|
| A | | NEW RELEASE | AV | DC | N.O. | 8-18-99 |
| B | | ADDED 553-0008-832 TO DWG. | TC | | | |

OPERATING CHARACTERISTICS AT 25°C AMBIENT

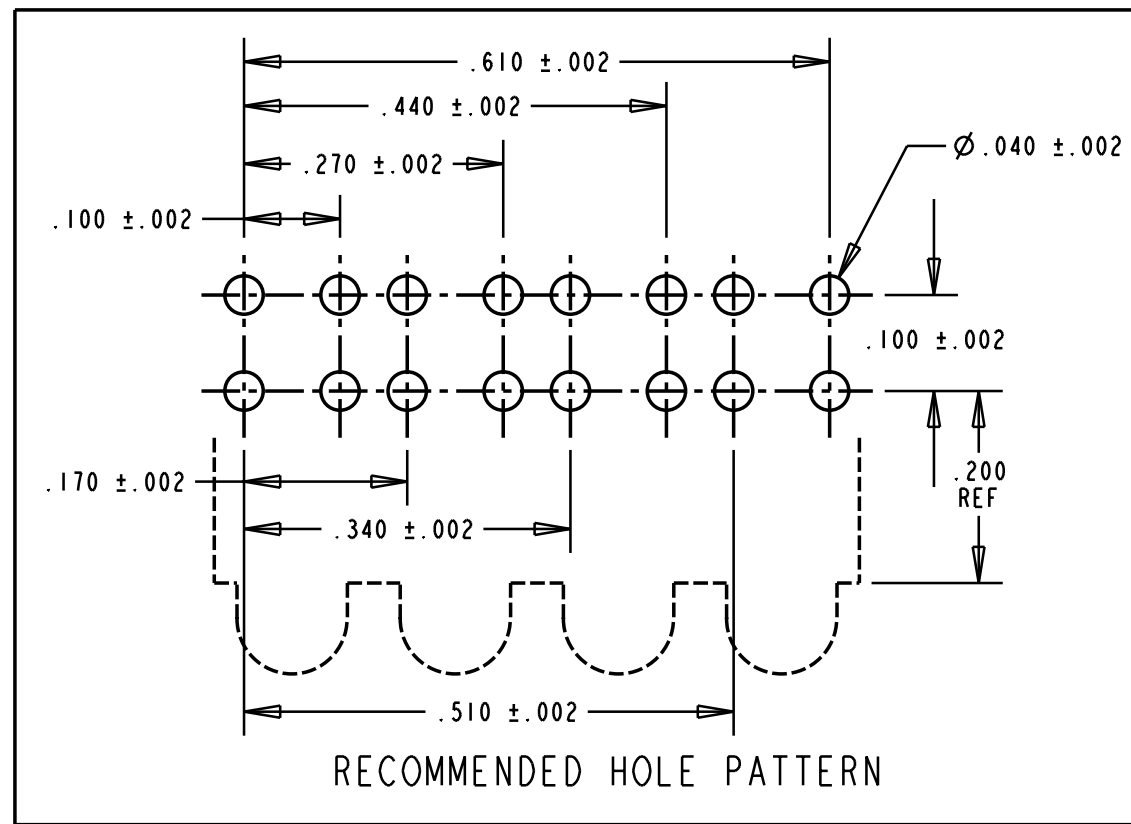
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
|--------------------|--------|-----|------|-----|--------|------------------------|
| LUMINOUS INTENSITY | RED | 7.4 | 10.0 | | mcd | I _f = 10 mA |
| | GREEN | 4.7 | 12.6 | | | |
| | YELLOW | 7.4 | 10.0 | | | |
| FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | I _f = 20 mA |
| | GREEN | | 2.1 | 2.8 | | |
| | YELLOW | | 2.1 | 2.8 | | |
| REVERSE CURRENT | RED | | | 100 | μA | V _R = 5 V |
| | GREEN | | | 100 | | |
| | YELLOW | | | 100 | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | |
| | GREEN | | 565 | | | |
| | YELLOW | | 585 | | | |
| VIEWING ANGLE | | 60 | | | Degree | |



| 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 | | |
| OPERATING TEMPERATURE | °C | -55 TO 100 | | |
| STORAGE TEMPERATURE | °C | -55 TO 100 | | |

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
- LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT
- DIALIGHT PART NUMBERS = 553-0008-829 / ...-830 / ...-831 / ...-832



| PART No -> | LED COLOR | | | |
|------------|--------------|--------------|--------------|--------------|
| | 553-0008-829 | 553-0008-830 | 553-0008-831 | 553-0008-832 |
| POS. 1 | GREEN | YELLOW | RED | RED |
| POS. 2 | GREEN | YELLOW | RED | YELLOW |
| POS. 3 | YELLOW | RED | GREEN | RED |
| POS. 4 | YELLOW | RED | GREEN | YELLOW |
| POS. 5 | RED | GREEN | YELLOW | RED |
| POS. 6 | RED | GREEN | YELLOW | YELLOW |
| POS. 7 | GREEN | YELLOW | RED | BLANK |
| POS. 8 | GREEN | YELLOW | RED | BLANK |

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SCALE 5:1
ALL DIM'S IN: INCHES

TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.020
DECIMALS (.XXX): ±.015
DECIMALS (.XXXX):
ANGLES: ±3°
FINISH:

DRAWING NUMBER: C-16578
REV: B

TITLE: 2X4 CBI BLOCK ARRAY

MATERIAL:

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

FSCM 83330 SHEET OF FAMILY TABLE: