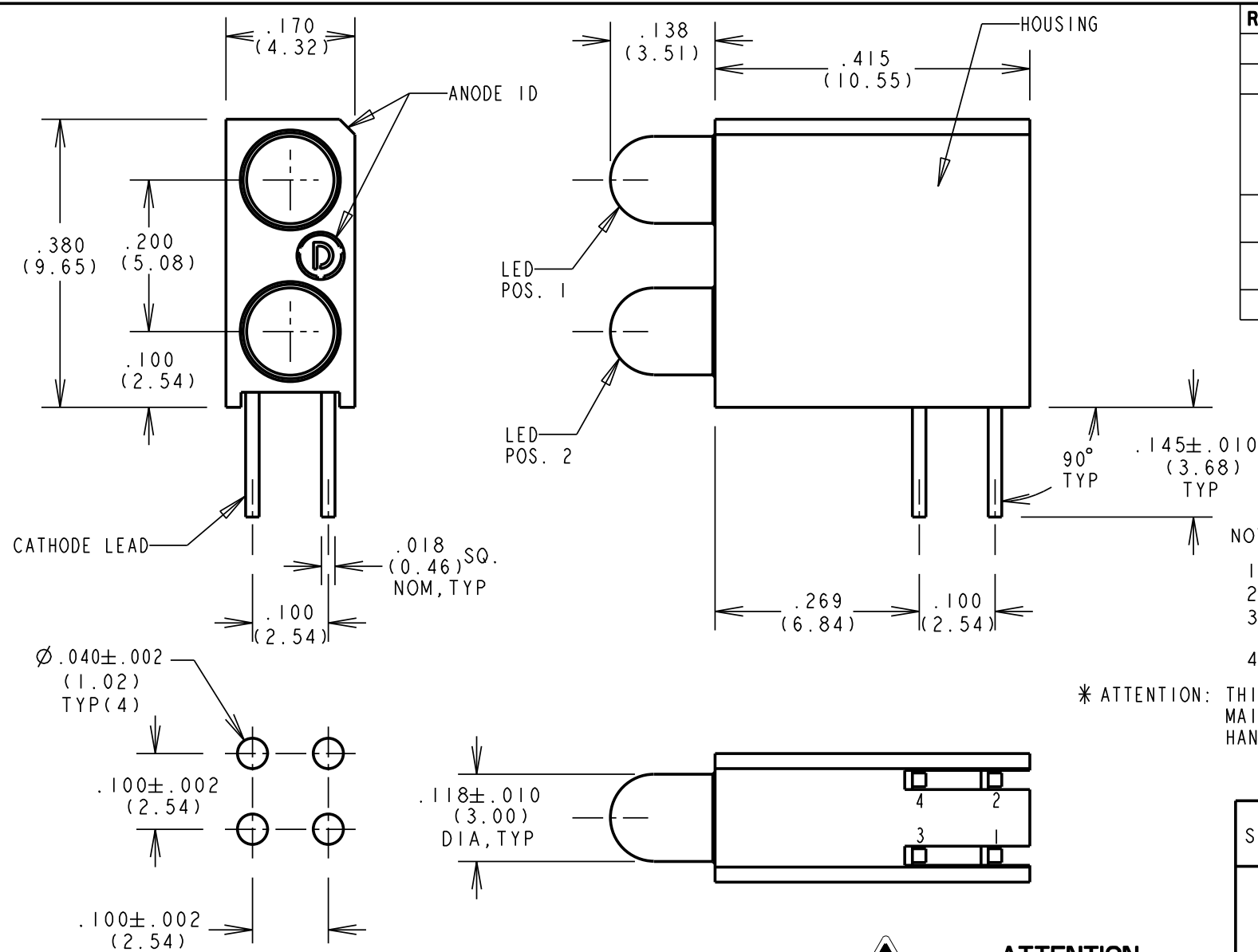


| PART NUMBER | LED COLOR(DIFFUSED) | |
|----------------|---------------------|------------|
| | POSITION 1 | POSITION 2 |
| 553-0101-200 | BLANK | RED |
| 553-0102-200 | BLANK | GREEN |
| 553-0103-200 | BLANK | YELLOW |
| 553-0110-200 | RED | BLANK |
| 553-0111-200 | RED | RED |
| 553-0112-200 | RED | GREEN |
| 553-0113-200 | RED | YELLOW |
| 553-0120-200 | GREEN | BLANK |
| 553-0121-200 | GREEN | RED |
| 553-0122-200 | GREEN | GREEN |
| 553-0123-200 | GREEN | YELLOW |
| * 553-0128-200 | GREEN | BLUE |
| 553-0130-200 | YELLOW | BLANK |
| 553-0131-200 | YELLOW | RED |
| 553-0132-200 | YELLOW | GREEN |
| 553-0133-200 | YELLOW | YELLOW |
| * 553-0188-200 | BLUE | BLUE |
| 553-0201-200 | BLANK | RED |
| 553-0202-200 | BLANK | GREEN |
| 553-0203-200 | BLANK | YELLOW |
| 553-0210-200 | RED | BLANK |
| 553-0211-200 | RED | RED |
| 553-0212-200 | RED | GREEN |
| 553-0213-200 | RED | YELLOW |
| 553-0220-200 | GREEN | BLANK |
| 553-0222-200 | GREEN | GREEN |
| 553-0232-200 | YELLOW | GREEN |
| 553-0233-200 | YELLOW | YELLOW |
| 553-0311-200 | RED | RED |
| 553-0322-200 | GREEN | GREEN |
| 553-0333-200 | YELLOW | YELLOW |

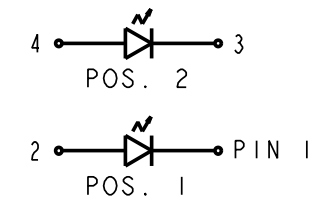


RECOMMENDED PC BOARD HOLE PATTERN



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|---|-----|------|------|----------|
| A | | NEW RELEASE | YY | -- | N.O. | 9-9-93 |
| B | | ADDED 25 NEW PART NUMBERS. | YY | -- | N.O. | 5-25-94 |
| C | | REVISED RED, YELLOW & GREEN LED SPECS.; ADDED NOTE 4; .118 WAS .115, 3.00 WAS 2.92; ADDED LOW CURRENT AND 5 VOLT INTEGRAL RESISTOR LED SPECS. | TC | D.C. | N.O. | 6-28-99 |
| D | | ADDED P/N 553-0188-200, LED SPECS. AND "ATTENTION" NOTE. | TC | D.C. | N.O. | 10-18-99 |
| E | | REVISED 2 mA & 5 V RED, GRN AND YELLOW LED SPECS. | TC | D.C. | N.O. | 9-18-00 |
| F | | ADDED 553-0128-200 | JMC | | | |



LEAD CONFIGURATION

NOTES:

1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBER: 553-0XXX-200.

* ATTENTION: THIS ASSEMBLY CONTAINS ELECTROSTATIC SENSITIVE DEVICES(ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

OPERATING CHARACTERISTICS AT T_A = 25°C

| SYMBOL | PARAMETER | COLOR | MIN | TYP | MAX | UNITS | TEST COND. |
|-----------------|--------------------|--------|-----|------|-----|-------|-------------------------|
| V _F | FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | I _F = 10 mA |
| | | YELLOW | | 2.1 | 2.8 | | |
| | | GREEN | | 2.1 | 2.8 | | |
| | | BLUE | | 3.5 | 4.2 | | |
| V _R | REVERSE VOLTAGE | ALL | 5.0 | | | V | I _R = 100 μA |
| λ _{PK} | PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | | YELLOW | | 585 | | | |
| | | GREEN | | 565 | | | |
| | | BLUE | | 428 | | | |
| I _V | LUMINOUS INTENSITY | RED | 7.4 | 10.0 | | mcd | I _F = 20 mA |
| | | YELLOW | 7.4 | 10.0 | | | |
| | | GREEN | 4.7 | 12.6 | | mcd | I _F = 10 mA |
| | | BLUE | 6.3 | | 20 | | |

2 ma LOW CURRENT LED.
OPERATING CHARACTERISTICS AT 25°C AMBIENT
FOR 553-02XX-400)

| CHARACTERISTICS | L.E.D. COLOR | MIN | TYP | MAX | UNITS | TEST COND. |
|--------------------|--------------|-----|-----|-----|--------|------------------------|
| LUMINOUS INTENSITY | RED | 1.0 | 1.6 | | mcd | I _F = 2 mA |
| | YELLOW | 1.0 | 1.6 | | | |
| | GREEN | 1.0 | 1.6 | | | |
| FORWARD VOLTAGE | RED | | 1.7 | 2.2 | V | I _F = 2 mA |
| | YELLOW | | 1.8 | 2.7 | | |
| | GREEN | | 1.9 | 2.2 | | |
| REVERSE VOLTAGE | ALL | 5 | | | V | I _R = 10 μA |
| PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |
| VIEWING ANGLE | ALL | | 60 | | Degree | |

5 V., INTEGRAL RESISTOR LED
OPERATING CHARACTERISTICS AT 25°C AMBIENT
FOR 553-03XX-400)

| CHARACTERISTICS | L.E.D. COLOR | MIN | TYP | MAX | UNITS | TEST COND. |
|--------------------|--------------|-----|------|-----|--------|-------------------------|
| LUMINOUS INTENSITY | RED | 8.7 | 29 | | mcd | V _F = 5 V |
| | YELLOW | 3.7 | 12.6 | | | |
| | GREEN | 5.6 | 19 | | | |
| FORWARD CURRENT | RED | | 10 | 20 | mA | V _F = 5 V |
| | YELLOW | | 10 | 20 | | |
| | GREEN | | 12 | 20 | | |
| REVERSE VOLTAGE | ALL | 5 | | | V | I _R = 100 μA |
| PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |
| VIEWING ANGLE | ALL | | 60 | | Degree | |

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| | | |
|---|-------------------|--|
| SCALE: 5:1 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-15815 | F |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE | |
| FRACTIONS: ±1/64 | CBI, 3MM BI-LEVEL | |
| DECIMALS (.XX): ±.01 | MATERIAL | |
| DECIMALS (.XXX): ±.005 | | |
| DECIMALS (.XXXX): ±.0005 | | |
| ANGLES: ±1° | | |
| FINISH: | | |
| FSCM 83330 | Dialight | 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 |
| | SHEET 1 OF 1 | FAMILY TABLE: |