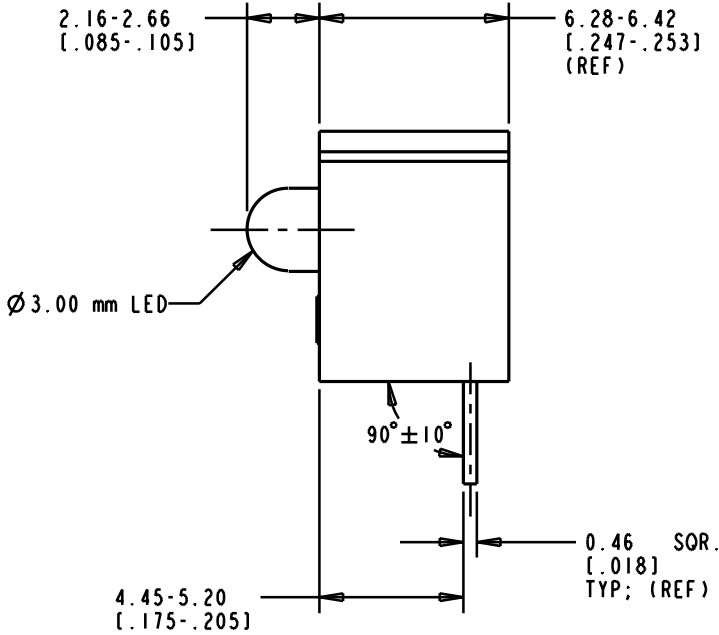
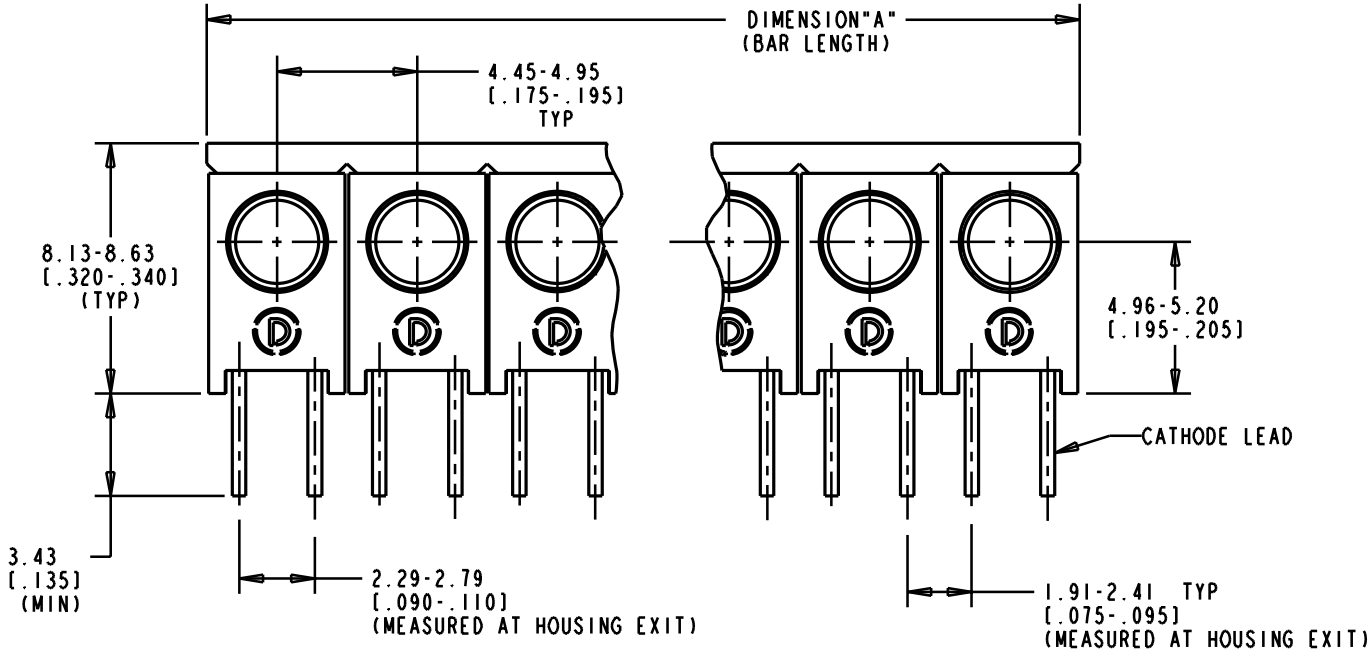


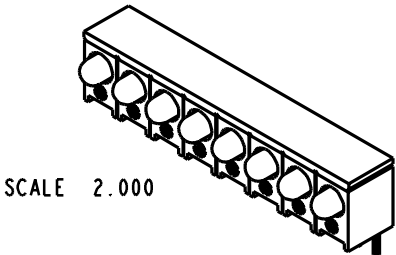
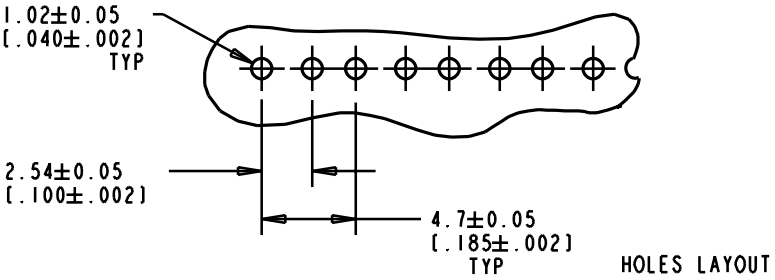
| OPERATING CONDITIONS @ T <sub>A</sub> = 25°C |                     |     |                              |                      |                          |     |                       |
|----------------------------------------------|---------------------|-----|------------------------------|----------------------|--------------------------|-----|-----------------------|
| COLOR                                        | FORWARD VOLTAGE (V) |     | REVERSE VOLTAGE              | PEAK WAVELENGTH (nm) | LUMINOUS INTENSITY (mcd) |     | TEST CONDITIONS       |
|                                              | TYP                 | MAX |                              | TYP                  | MIN                      | TYP |                       |
| RED                                          | 1.8                 | 2.2 | 5 V @ I <sub>R</sub> = 50 μA | 635                  | 1.0                      | 1.8 | I <sub>F</sub> = 2 mA |
| YELLOW                                       | 1.9                 | 2.7 |                              | 583                  | 1.0                      | 1.6 |                       |
| GREEN                                        | 1.8                 | 2.2 |                              | 565                  | 1.0                      | 1.6 |                       |

| MAXIMUM RATINGS            |                 |                 |                 |
|----------------------------|-----------------|-----------------|-----------------|
|                            | RED             | YELLOW          | GREEN           |
| POWER DISSIPATION          | 24 mW           | 36 mW           | 24 mW           |
| D.C. FORWARD CURRENT       | 7.0 mA          | 7.0 mA          | 7.0 mA          |
| VIEWING ANGLE              | 50°             | 50°             | 50°             |
| OPERATING TEMPERATURE      | -55°C TO 100°C  | -55°C TO 100°C  | -20°C TO 100°C  |
| STORAGE TEMPERATURE        | -55°C TO 100°C  | -55°C TO 100°C  | -55°C TO 100°C  |
| LEAD SOLDERING TEMPERATURE | 260°C FOR 5 SEC | 260°C FOR 5 SEC | 260°C FOR 5 SEC |

| DIALIGHT PART NUMBER | COLOR                | NUMBER OF POSITIONS | DIMENSION "A" (BAR LENGTH) METRIC, [INCHES] |
|----------------------|----------------------|---------------------|---------------------------------------------|
| HLMP-1700-102        | 2 mA RED DIFFUSED    | 2                   | 8.76-9.65, [.346-.380]                      |
| HLMP-1700-104        | 2 mA RED DIFFUSED    | 4                   | 18.54-19.02, [.730-.749]                    |
| HLMP-1700-105        | 2 mA RED DIFFUSED    | 5                   | 23.27-23.72, [.916-.934]                    |
| HLMP-1700-108        | 2 mA RED DIFFUSED    | 8                   | 37.39-37.72, [1.472-1.485]                  |
| HLMP-1719-102        | 2 mA YELLOW DIFFUSED | 2                   | 8.76-9.65, [.346-.380]                      |
| HLMP-1719-104        | 2 mA YELLOW DIFFUSED | 4                   | 18.54-19.02, [.730-.749]                    |
| HLMP-1790-102        | 2 mA GREEN DIFFUSED  | 2                   | 8.76-9.65, [.346-.380]                      |
| HLMP-1790-103        | 2 mA GREEN DIFFUSED  | 3                   | 13.36-14.22, [.526-.560]                    |
| HLMP-1790-104        | 2 mA GREEN DIFFUSED  | 4                   | 18.54-19.02, [.730-.749]                    |
| HLMP-1790-105        | 2 mA GREEN DIFFUSED  | 5                   | 23.27-23.72, [.916-.934]                    |
| HLMP-1790-108        | 2 mA GREEN DIFFUSED  | 8                   | 37.39-37.72, [1.472-1.485]                  |



DIMENSIONS:  
mm  
[inches]



SCALE 2.000

| REV. | ECN NO. | REVISIONS   | DRN. | CKD. | APP. | DATE |
|------|---------|-------------|------|------|------|------|
| A    |         | NEW RELEASE | M.C. |      |      |      |

|                                                                                                                                                                                                                               |                           |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|
| 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 4:1                                                                                                                                                                                                                     | DRAWING NUMBER            | REV                   |
| ALL DIM'S IN: INCHES                                                                                                                                                                                                          | C-16479                   | SEE CHART             |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                        | TITLE                     |                       |
| FRACTIONS: ±1/64                                                                                                                                                                                                              | Ø 3.00 mm CBI ARRAY,      |                       |
| DECIMALS (.XX): ±.01                                                                                                                                                                                                          | (2 mA RED, GREEN, YELLOW) |                       |
| DECIMALS (.XXX): ±.005                                                                                                                                                                                                        | MATERIAL                  |                       |
| DECIMALS (.XXXX): ±.0005                                                                                                                                                                                                      |                           |                       |
| ANGLES: ±1°                                                                                                                                                                                                                   |                           |                       |
| FINISH:                                                                                                                                                                                                                       | Dialight                  | 1913 ATLANTIC AVE.    |
| FSCN 83330                                                                                                                                                                                                                    |                           | MANASQUAN, N.J. 08736 |
|                                                                                                                                                                                                                               | SHEET OF                  | FAMILY TABLES:        |

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