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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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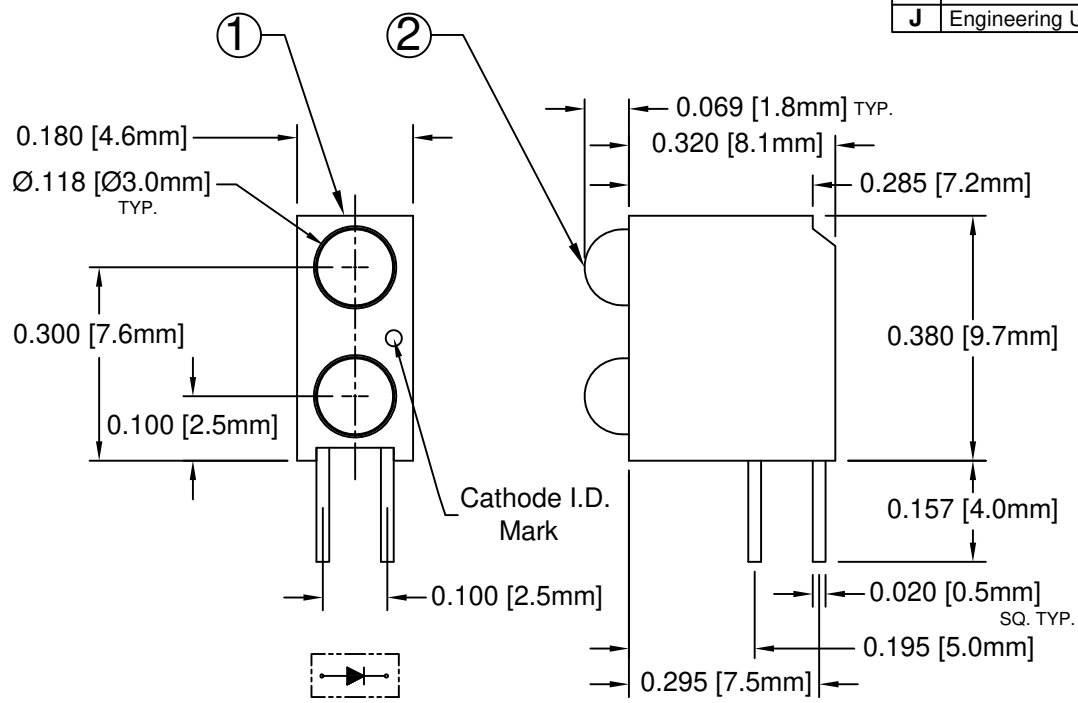
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| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                              |
|------|------|-------------|---|
| 1    | 1    | H-201C      | T-1 (3mm) Bi-Level LED Holder, 90° Mount      |
| 2    | 2    | 3XX-S       | T-1 (3mm) N-Flange Shouldered LED, See Page 2 |

| REV. | DESCRIPTION                      | DATE     | APPROVED |
|------|----------------------------------|----------|----------|
| E    | Removed H201CBCXX Specifications | 01/25/08 | M. C.    |
| F    | Updated Note and H201CAD Specs   | 04/28/08 | M. C.    |
| G    | Updated Note and H201CRD5V Specs | 05/20/08 | M. C.    |
| H    | Added H201CGC Specs              | 11/18/08 | T. Y.    |
| J    | Engineering Update w/o Changes   | 06/21/16 | J. C.    |

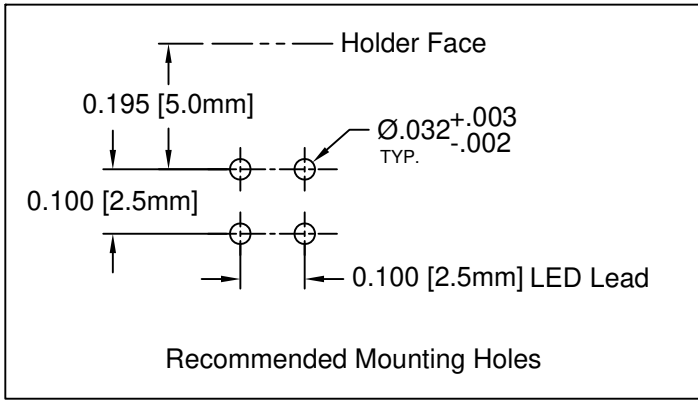


Note: P/N Designation

H201CY X D X X

- Color of top LED - Use "X" if blank
- Color of bottom LED - Use "X" if blank
- "L" Low Current LED
- "5V" 5V LED
- " " if Standard LED

- If top and bottom are same LED, i.e. H201C<sub>YD</sub>



### ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

|   |       |                      |
|---|-------|----------------------|
| REVERSE VOLTAGE                             | _____ | 5V                   |
| REVERSE CURRENT                             | _____ | 100µA                |
| OPERATING TEMPERATURE RANGE                 | _____ | -25° C - 85° C       |
| STORAGE TEMPERATURE                         | _____ | -30° C - 100° C      |
| LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) | _____ | 260° C FOR 5 SECONDS |


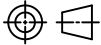
| STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) |         |
|---|---------|
| DECIMALS  | ANGULAR |
| .X ± .1   | X° ± 1° |
| .XX ± .02                                       |         |
| .XXX ± .010                                     |         |



|                             |                          |  |   |
|-----------------------------|--------------------------|--|---|
| DESIGNED:<br><b>T. Yin</b>  | DATE:<br><b>03/05/04</b> | <b>TITLE:</b> T-1 (3MM)<br>90° BI-LEVEL LED ASSY<br><b>PART NO:</b> H201CXX<br><b>CAGE CODE :</b> 32559 <b>SHEET #</b> 1 <b>OF</b> 2 | REVISION:<br><b>J</b>                           |
| CHECKED:<br><b>D. Green</b> | DATE:<br><b>03/05/04</b> |  | CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING. |

|      |              |      |          |
|------|--------------|------|----------|
| REV. | DESCRIPTION  | DATE | APPROVED |
|      | SEE SHEET #1 |      |          |

| LED Assy. No.      | Peak Wave Length<br>$\lambda_p$ (nm) | Emitted Color | Lens Appearance | Electro-Optical Data |           |     |             | Viewing Angle<br>$2\theta \frac{1}{2}$<br>(Deg) | LED P/N |
|--------------------|--------------------------------------|---------------|-----------------|----------------------|-----------|-----|-------------|---|---------|
|                    |                                      |               |                 | If<br>(mA)           | Vf<br>(V) |     | Iv<br>(mcd) |   |         |
|                    |                                      |               |                 | TYP                  | TYP       | MAX | TYP         |   |         |
| <b>STANDARD</b>    |                                      |               |                 | <b>Data @ 20mA</b>   |           |     |             |   |         |
| H201CBWD           | 430                                  | BLUE          | DIFFUSED        | 20                   | 4.0       | 4.5 | 10          | 40  | 3BWD-S  |
| H201CGD            | 568                                  | GREEN         | DIFFUSED        | 20                   | 2.1       | 2.8 | 25          | 40  | 3GD-S   |
| H201CGC            | 568                                  | GREEN         | WATER CLEAR     | 20                   | 2.1       | 2.8 | 40          | 30  | 3GC-S   |
| H201CYD            | 590                                  | YELLOW        | DIFFUSED        | 20                   | 2.0       | 2.8 | 20          | 40  | 3YD-S   |
| H201CHD            | 625                                  | HE RED        | DIFFUSED        | 20                   | 2.0       | 2.8 | 30          | 40  | 3HD-S   |
| H201CRD            | 700                                  | RED           | DIFFUSED        | 20                   | 2.1       | 2.8 | 2           | 40  | 3RD-S   |
| H201CSR            | 645                                  | SUPER RED     | DIFFUSED        | 20                   | 1.7       | 2.4 | 40          | 40  | 3SRD-S  |
| H201CAD            | 605                                  | AMBER         | DIFFUSED        | 20                   | 2         | 2.8 | 25          | 40  | 3AD-S   |
| <b>LOW CURRENT</b> |                                      |               |                 | <b>Data @ 2mA</b>    |           |     |             |   |         |
| H201CGDL           | 568                                  | GREEN         | DIFFUSED        | 2                    | 2.1       | 2.6 | 2           | 40  | 3GDL-S  |
| H201CYDL           | 590                                  | YELLOW        | DIFFUSED        | 2                    | 2.0       | 2.6 | 2           | 40  | 3YDL-S  |
| H201CHDL           | 625                                  | HE RED        | DIFFUSED        | 2                    | 2.0       | 2.6 | 3           | 40  | 3HDL-S  |
| H201CRDL           | 700                                  | RED           | DIFFUSED        | 2                    | 2.1       | 2.6 | 1           | 40  | 3RDL-S  |
| <b>5 VOLT</b>      |                                      |               |                 | <b>Data @ 5V</b>     |           |     |             |   |         |
| H201CGD5V          | 568                                  | GREEN         | DIFFUSED        | -                    | -         | 5.0 | 25          | 40  | 3GD5V-S |
| H201CYD5V          | 590                                  | YELLOW        | DIFFUSED        | -                    | -         | 5.0 | 20          | 40  | 3YD5V-S |
| H201CHD5V          | 625                                  | HE RED        | DIFFUSED        | -                    | -         | 5.0 | 30          | 40  | 3HD5V-S |
| H201CRD5V          | 700                                  | RED           | DIFFUSED        | -                    | -         | 5.0 | 2           | 40  | 3RD5V-S |

|  |                          |   |  |
|--|--------------------------|---|--|
| STANDARD TOLERANCE<br>(UNLESS OTHERWISE SPECIFIED)<br>$\pm 10\%$ ALL VALUES    ANGULAR |                          | <br><b>BIVAR</b> <sup>®</sup><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |  |
|   |                          |   |  |
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|  |                          | <b>CAGE CODE : 32559    SHEET # 2 OF 2</b>  |  |
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