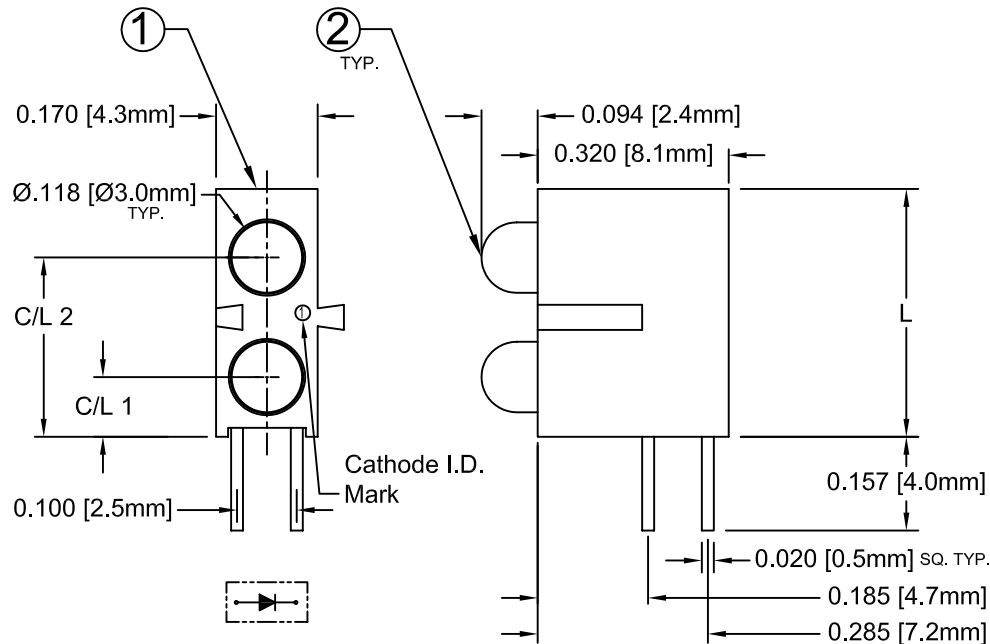


| ITEM | Q'TY | PART NUMBER  | PART DESCRIPTION                                            |
|------|------|--------------|-------------------------------------------------------------|
| 1    | 1    | H-300C-1-XXX | T-1 (3mm) Bi-Level LED Hldr, 90° Mount, Interlock, Var. C/L |
| 2    | 2    | 3XX-S        | T-1 (3mm) N-Flange Shouldered LED, See Page 2               |

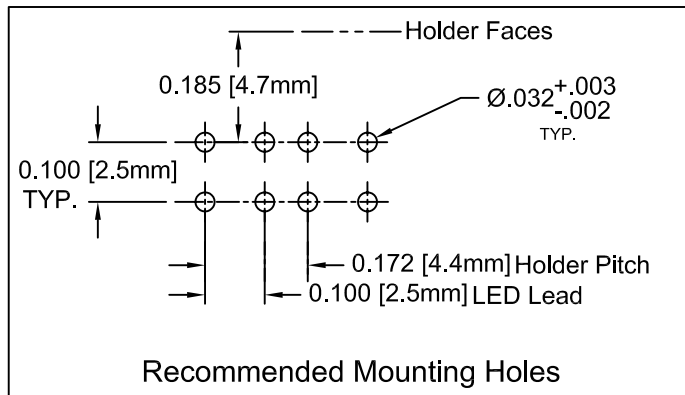
| REV. | DESCRIPTION                      | DATE     | APPROVED |
|------|----------------------------------|----------|----------|
| A    | Engineering Update w/o Changes   | 03/05/04 | M. C.    |
| B    | LED Package Change to 3XX-S LEDs | 12/14/07 | M. C.    |
|      |                                  |          |          |
|      |                                  |          |          |



EXAMPLE:

H300CRD-160\*

Centerline "C/L1"  
LED Color & Lens Appearance.  
Omit 3 when ordering.  
Series \* XXX = Centerline "C/L"



| Available Centerlines |            |            |             |
|-----------------------|------------|------------|-------------|
| XXX                   | C/L 1      | C/L 2      | L           |
| 100                   | .100 (2.5) | .300 (7.6) | .415 (10.6) |
| 120                   | .120 (3.0) | .320 (8.1) | .435 (11.0) |
| 140                   | .140 (3.6) | .340 (8.6) | .455 (11.6) |
| 160                   | .160 (4.1) | .360 (9.1) | .475 (12.1) |
| 180                   | .180 (4.6) | .380 (9.7) | .495 (12.6) |

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

REVERSE VOLTAGE \_\_\_\_\_ 5V

REVERSE CURRENT \_\_\_\_\_ 100uA

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<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |                       |
| DECIMALS                                             | ANGULAR                  |                                                                            |                       |
| .X ± .1                                              | X° ± 1°                  | <br><b>TITLE:</b> T-1 (3MM) INTERLOCKING<br>90° BI-LEVEL VAR. C/L LED ASSY |                       |
| .XX ± .02                                            |                          |                                                                            |                       |
| .XXX ± .010                                          |                          |                                                                            |                       |
| DESIGNED:<br><b>Ty Yin</b>                           | DATE:<br><b>03/05/04</b> | <b>PART NO:</b> H300CXX-XXX                                                | REVISION:<br><b>B</b> |
| CHECKED:<br><b>D. Green</b>                          | DATE:<br><b>03/05/04</b> | <b>CAGE CODE :</b> 32559                                                   | <b>SHEET # 1 OF 2</b> |

CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.

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

| LED Assy. No. | Peak Wave Length<br>λp(nm) | Emitted Color | Lens Appearance | Electro-Optical Data |           |     |             | Viewing Angle<br>2 θ ½<br>(Deg) | LED P/N |
|---------------|----------------------------|---------------|-----------------|----------------------|-----------|-----|-------------|---------------------------------|---------|
|               |                            |               |                 | If<br>(mA)           | Vf<br>(V) |     | Iv<br>(mcd) |                                 |         |
|               |                            |               |                 | TYP                  | TYP       | MAX | TYP         |                                 |         |
| STANDARD      |                            |               |                 | Data @ 20mA          |           |     |             |                                 |         |
| H300CBWD-XXX  | 430                        | BLUE          | DIFFUSED        | 20                   | 4.0       | 4.5 | 20          | 45                              | 3BWD-S  |
| H300CGD-XXX   | 565                        | GREEN         | DIFFUSED        | 20                   | 2.2       | 2.6 | 30          | 45                              | 3GD-S   |
| H300CYD-XXX   | 585                        | YELLOW        | DIFFUSED        | 20                   | 2.1       | 2.6 | 20          | 45                              | 3YD-S   |
| H300CHD-XXX   | 635                        | HE RED        | DIFFUSED        | 20                   | 2.0       | 2.6 | 30          | 45                              | 3HD-S   |
| H300CRD-XXX   | 655                        | RED           | DIFFUSED        | 20                   | 1.7       | 2.0 | 6           | 45                              | 3RD-S   |
| H300CSR-XXX   | 660                        | SUPER RED     | DIFFUSED        | 20                   | 1.7       | 2.6 | 90          | 45                              | 3SRD-S  |
| LOW CURRENT   |                            |               |                 | Data @ 2mA           |           |     |             |                                 |         |
| H300CGDL-XXX  | 565                        | GREEN         | DIFFUSED        | 2                    | 1.9       | 2.2 | 6           | 45                              | 3GDL-S  |
| H300CYDL-XXX  | 585                        | YELLOW        | DIFFUSED        | 2                    | 1.9       | 2.2 | 4           | 45                              | 3YDL-S  |
| H300CHDL-XXX  | 635                        | HE RED        | DIFFUSED        | 2                    | 1.8       | 2.2 | 6           | 45                              | 3HDL-S  |
| 5 VOLT        |                            |               |                 | Data @ 5V            |           |     |             |                                 |         |
| H300CGD5V-XXX | 565                        | GREEN         | DIFFUSED        | 10                   | -         | 5.0 | 30          | 45                              | 3GD5V-S |
| H300CYD5V-XXX | 585                        | YELLOW        | DIFFUSED        | 10                   | -         | 5.0 | 20          | 45                              | 3YD5V-S |
| H300CHD5V-XXX | 635                        | HE RED        | DIFFUSED        | 10                   | -         | 5.0 | 30          | 45                              | 3HD5V-S |

|                                                                                |  |                                                                                       |  |                                                                                                             |  |
|--------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |  | ANGULAR<br>X° ± 5°                                                                    |  | <div>BIVAR®</div> <div>4 THOMAS, IRVINE, CA. 92618</div> <div>TEL: (949) 951-8808 FAX: (949) 951-3974</div> |  |
|                                                                                |  |  |  | TITLE: T-1 (3MM) INTERLOCKING<br>90° BI-LEVEL VAR. C/L LED ASSY                                             |  |
| DESIGNED:<br><b>Ty Yin</b>                                                     |  | DATE:<br><b>03/05/04</b>                                                              |  | PART NO: H300CXX-XXX                                                                                        |  |
|                                                                                |  |                                                                                       |  | REVISION<br><b>B</b>                                                                                        |  |
| CHECKED:<br><b>D. Green</b>                                                    |  | DATE:<br><b>03/05/04</b>                                                              |  | CAGE CODE : 32559                                                                                           |  |
|                                                                                |  |                                                                                       |  | SHEET # 2 OF 2                                                                                              |  |
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