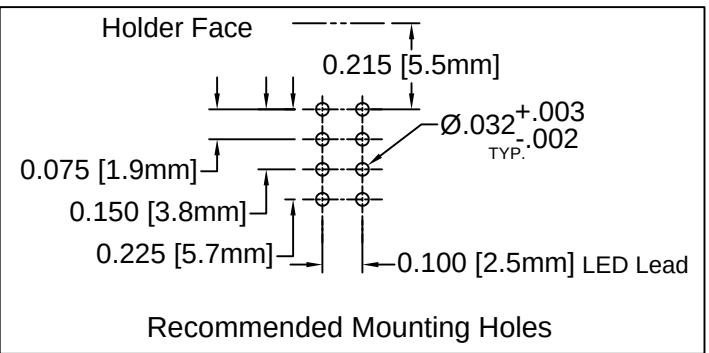
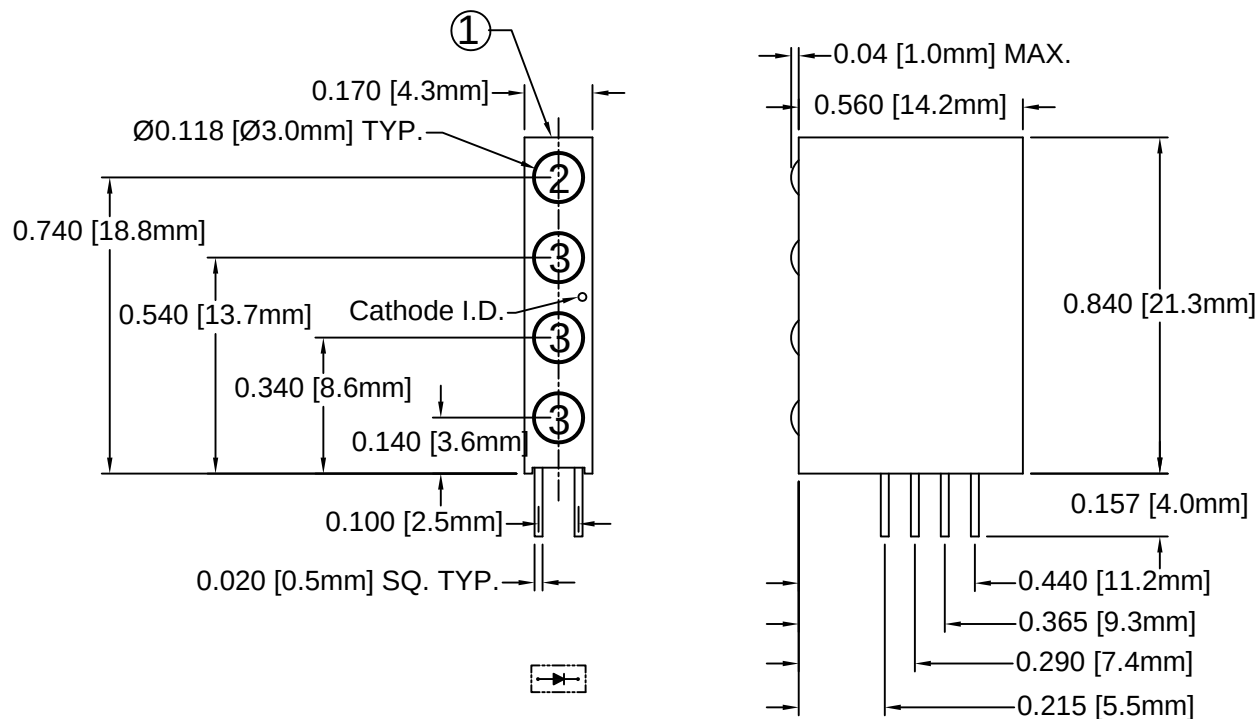


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                     |
|------|------|-------------|--------------------------------------|
| 1    | 1    | H-401C      | T-1 (3mm) Quad-Level LED Holder      |
| 2    | 1    | 3UGC-LL     | T-1 (3mm) Non-Flange LED, Long Leads |
| 3    | 3    | 3UGC-S      | T-1 (3mm) Non-Flange Shouldered LED  |

| REV. | DESCRIPTION                               | DATE     | APPROVED |
|------|-------------------------------------------|----------|----------|
| B    | Changed Top LED to 3UGC-LL                | 06/25/07 | M. C.    |
| C    | Updated Protrusion and LEDs to Shouldered | 03/18/08 | M. C.    |
| D    | Updated to Previous Protrusion            | 04/10/08 | M. C.    |
| E    | Updated LED Protrusion Dimension          | 09/20/11 | T. Y.    |
| F    | Engineering Update w/o Changes            | 08/04/16 | J. C.    |



| LED Part No. | Chip     |                             |               | Lens Appearance | Absolute Max. Ratings |         |         |              | Electro-Optical Data @ 20mA |     |          | Viewing Angle (Deg) |
|--------------|----------|-----------------------------|---------------|-----------------|-----------------------|---------|---------|--------------|-----------------------------|-----|----------|---------------------|
|              | Material | Peak Wave Length<br>λp (nm) | Emitted Color |                 | Δλ (nm)               | Pd (mW) | If (mA) | Peak If (mA) | Vf (V)                      |     | Iv (mcd) |                     |
|              |          |                             |               |                 |                       |         |         |              | TYP                         | MAX | TYP      |                     |
| 3UGC-S(-LL)  | AlGaInP  | 570                         | GREEN         | WATER CLEAR     | 11                    | 100     | 30      | 150          | 2.1                         | 2.4 | 200      | 30                  |

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

REVERSE VOLTAGE \_\_\_\_\_ 5V  
 REVERSE CURRENT (VR=5V) \_\_\_\_\_ 100 $\mu$ A  
 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><div><div>DECIMALS</div><div>.X ± .1<br/>.XX ± .02<br/>.XXX ± .010</div></div> <div><div>ANGULAR</div><div>X° ± 1°</div></div> |                   | <div><div>BIVAR®</div><div>4 THOMAS, IRVINE, CA. 92618<br/>TEL: (949) 951-8808 FAX: (949) 951-3974</div></div> |                |
| <div><div></div></div>                                                                                                                                                                 |                   | TITLE: T-1 (3mm) SINGLE STATION<br>QUAD-LEVEL ASSEMBLY                                                         |                |
| DESIGNED:<br>S. Dam                                                                                                                                                                    | DATE:<br>05/02/06 | PART NO:<br>H401CUGC                                                                                           | REVISION:<br>F |
| CHECKED:<br>T. Yin                                                                                                                                                                     | DATE:<br>05/02/06 | CAGE CODE : 32559                                                                                              | SHEET # 1 OF 1 |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                                                                                                                                        |                   |                                                                                                                |                |