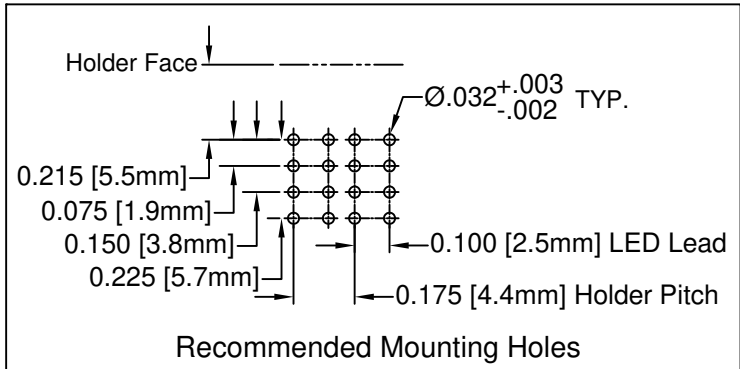
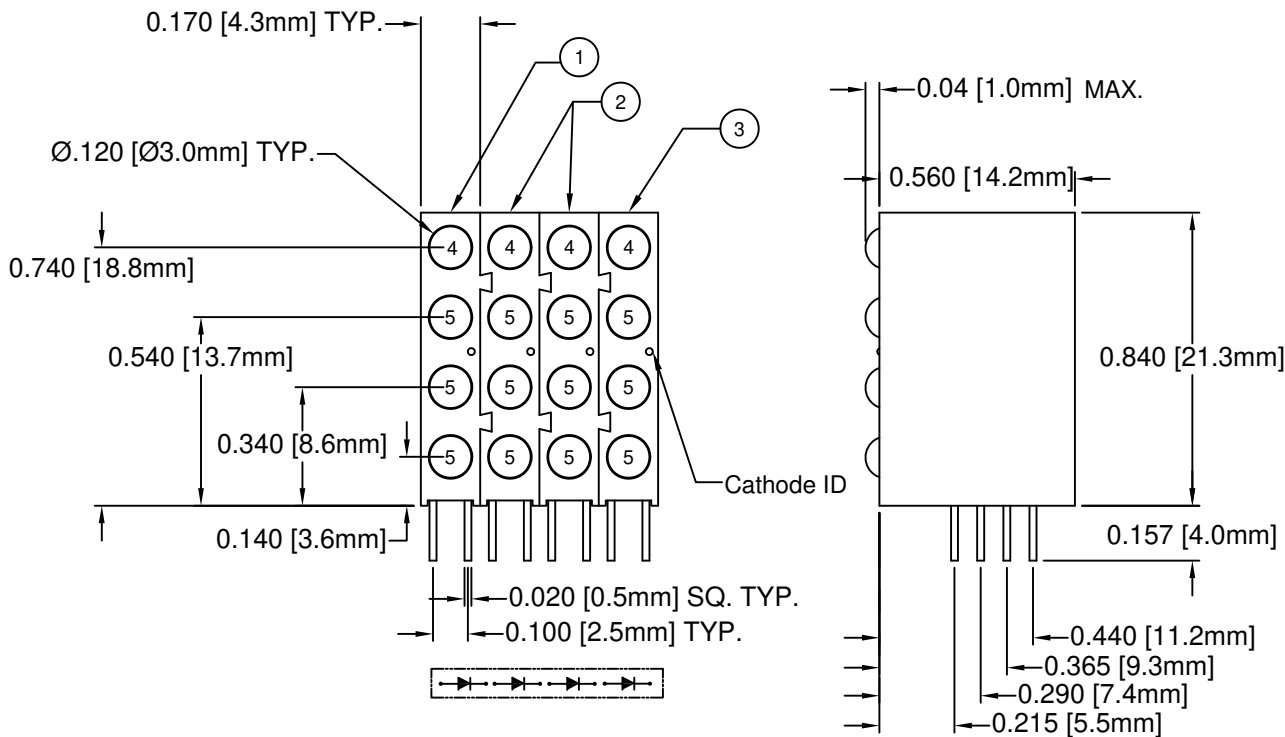


| ITEM | QTY | PART NUMBER | PART DESCRIPTION                                          |
|------|-----|-------------|-----------------------------------------------------------|
| 1    | 1   | H-402C      | T-1 (3mm) LED Holder, 90° Mount, Quad-Level, Left-End     |
| 2    | 2   | H-400C      | T-1 (3mm) LED Holder, 90° Mount, Quad-Level, Interlocking |
| 3    | 1   | H-403C      | T-1 (3mm) LED Holder, 90° Mount, Quad-Level, Right-End    |
| 4    | 4   | 3GDL-LL     | T-1 (3mm) Non-Flange LED, Low Current, Long Leads         |
| 5    | 12  | 3GDL-S      | T-1 (3mm) Non-Flange Shouldered LED, Low Current          |

| REV. | DESCRIPTION                               | DATE     | APPROVED |
|------|-------------------------------------------|----------|----------|
| B    | Changed Top Row LEDs to 3GDL-LL           | 06/25/07 | M. C.    |
| C    | Updated Protrusion and LEDs to Shouldered | 03/13/08 | M. C.    |
| D    | Added Cut Lead Dimension                  | 03/24/08 | M. C.    |
| E    | Updated to Previous Protrusion            | 04/10/08 | M. C.    |
| F    | Engineering Update w/o Changes            | 08/04/16 | J. C.    |



| LED Part No. | Chip     |                             |               | Lens Appearance | Absolute Max. Ratings |         |         |              | Electro-Optical Data @ 2mA |     |          | 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      |                     |
| 3GDL-S(-LL)  | GaP/GaP  | 565                         | GREEN         | DIFFUSED        | 30                    | 10      | 5       | -            | 1.9                        | 2.2 | 6        | 45                  |

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

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

REVERSE CURRENT (VR=5V) \_\_\_\_\_ 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<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |                       |
| <u>DECIMALS</u>                                      | <u>ANGULAR</u>           |                                                                                                                                                                    |                       |
| .X    ± .1                                           | X°    ± 1°               | <br><b>TITLE:</b> T-1 (3mm), 90° MOUNT<br>QUAD-LEVEL ASSEMBLY                 |                       |
| .XX    ± .02                                         |                          |                                                                                                                                                                    |                       |
| .XXX    ± .010                                       |                          |                                                                                                                                                                    |                       |
| DESIGNED:<br><b>S. Dam</b>                           | DATE:<br><b>08/11/06</b> | <b>PART NO:</b><br><b>H404CGDL</b>                                                                                                                                 |                       |
| CHECKED:<br><b>T. Yin</b>                            | DATE:<br><b>08/11/06</b> | <b>REVISION:</b><br><b>F</b>                                                                                                                                       |                       |
|                                                      |                          | <b>CAGE CODE : 32559</b>                                                                                                                                           | <b>SHEET # 1 OF 1</b> |
| CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.      |                          |                                                                                                                                                                    |                       |