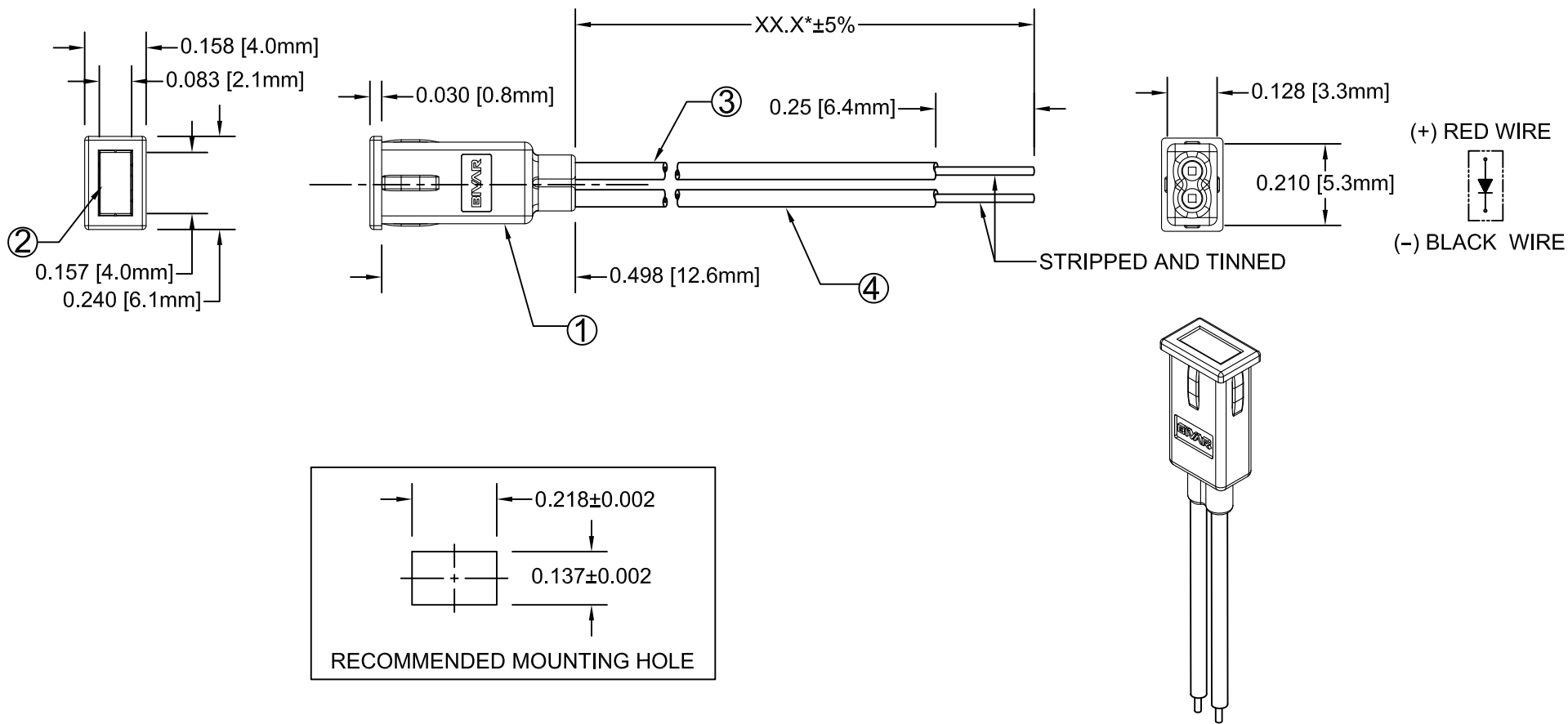


| ITEM | Q'TY | PART NUMBER   | PART DESCRIPTION                               |
|------|------|---------------|------------------------------------------------|
| 1    | 1    | PMR4          | Rectangular LED Holder, Panel Mount, Press Fit |
| 2    | 1    | R4XXX         | 2 X 4mm Rectangular LED, See Page 2.           |
| 3    | 1    | BWS24-1061-RD | 24AWG Wire Lead U.L. 1061, Red                 |
| 4    | 1    | BWS24-1061-BK | 24AWG Wire Lead U.L. 1061, Black               |

| REV. | DESCRIPTION         | DATE     | APPROVED |
|------|---------------------|----------|----------|
| A    | Engineering Release | 07/13/09 | T. Y.    |
|      |                     |          |          |
|      |                     |          |          |
|      |                     |          |          |



## 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 |                       |
| DECIMALS                                             | ANGULAR                  |                                                                                                                                                                 |                       |
| .X ± .1                                              | X° ± 1°                  |                                                                            |                       |
| .XX ± .02                                            |                          |                                                                                                                                                                 |                       |
| .XXX ± .010                                          |                          | <b>TITLE:</b> 2 X 4mm RECTANGULAR LED<br>PANEL MOUNT ASSEMBLY                                                                                                   |                       |
| DESIGNED:<br><b>Raffy Paje</b>                       | DATE:<br><b>07/13/09</b> | <b>PART NO:</b><br>PMR4XXXWXX.X                                                                                                                                 | REVISION:<br><b>A</b> |
| CHECKED:<br><b>T. Yin</b>                            | DATE:<br><b>07/13/09</b> | <b>CAGE CODE :</b> 32559                                                                                                                                        | <b>SHEET # 1 OF 2</b> |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                          |                                                                                                                                                                 |                       |

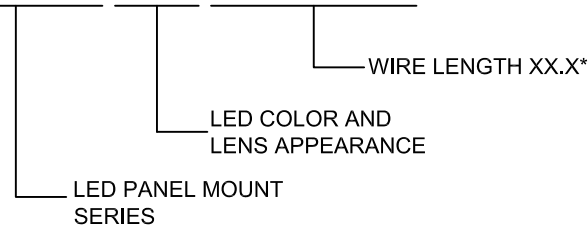
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET #1 |      |          |
|      |              |      |          |
|      |              |      |          |
|      |              |      |          |
|      |              |      |          |

## AVAILABLE CONFIGURATIONS

| Assy P/N                                    | Emitted Color | Peak Wave Length<br>λp(nm) | Lens Appearance | Absolute Max. Ratings |         |              | Vf (V) |     | Iv (mcd) | Viewing Angle<br>2 θ½<br>(Deg) | LED P/N |
|---------------------------------------------|---------------|----------------------------|-----------------|-----------------------|---------|--------------|--------|-----|----------|--------------------------------|---------|
|                                             |               |                            |                 | Pd (mW)               | If (mA) | Peak If (mA) |        |     |          |                                |         |
|                                             |               |                            |                 |                       |         |              | TYP    | MAX | TYP      |                                |         |
| STANDARD SINGLE COLOR LED ASSEMBLIES (20mA) |               |                            |                 |                       |         |              |        |     |          |                                |         |
| PMR4ADWXX.X                                 | AMBER         | 605                        | DIFFUSED        | 80                    | 30      | 150          | 2.0    | 2.8 | 6        | 120                            | R4AD    |
| PMR4BWDWXX.X                                | BLUE          | 430                        |                 | 150                   | 25      | 70           | 4.0    | 4.5 | 6        | 120                            | R4BWD   |
| PMR4GDWXX.X                                 | GREEN         | 568                        |                 | 80                    | 30      | 150          | 2.1    | 2.8 | 8        | 120                            | R4GD    |
| PMR4HDWXX.X                                 | HE RED        | 625                        |                 | 80                    | 30      | 150          | 2.0    | 2.6 | 8        | 120                            | R4HD    |
| PMR4PGDWXX.X                                | PURE GREEN    | 555                        |                 | 80                    | 30      | 150          | 2.2    | 2.8 | 2        | 120                            | R4PGD   |
| PMR4RDWXX.X                                 | RED           | 700                        |                 | 45                    | 20      | 80           | 2.1    | 2.6 | 0.4      | 120                            | R4RD    |
| PMR4YDWXX.X                                 | YELLOW        | 590                        |                 | 85                    | 30      | 150          | 2.0    | 2.6 | 6        | 120                            | R4YD    |

## PART NUMBER DESIGNATION

P M R 4 G D W X X . X



### NOTES:

1. ADDITIONAL LED OPTICAL / ELECTRICAL DATA AVAILABLE @ WWW.BIVAR.COM

|                                                                               |                          |                                                                                            |                       |
|-------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------|-----------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br>DECIMALS      ANGULAR |                          | <b>BIVAR®</b><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |                       |
|                                                                               |                          | <b>TITLE:</b> 2 X 4mm RECTANGULAR LED<br>PANEL MOUNT ASSEMBLY                              |                       |
| DESIGNED:<br><b>Raffy Paje</b>                                                | DATE:<br><b>07/13/09</b> | <b>PART NO:</b><br>PMR4XXXWXX.X                                                            | REVISION:<br><b>A</b> |
| CHECKED:<br><b>T. Yin</b>                                                     | DATE:<br><b>07/13/09</b> | <b>CAGE CODE :</b> 32559                                                                   | <b>SHEET # 2 OF 2</b> |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                               |                          |                                                                                            |                       |