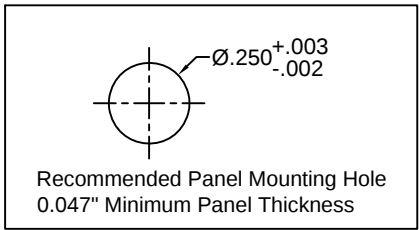
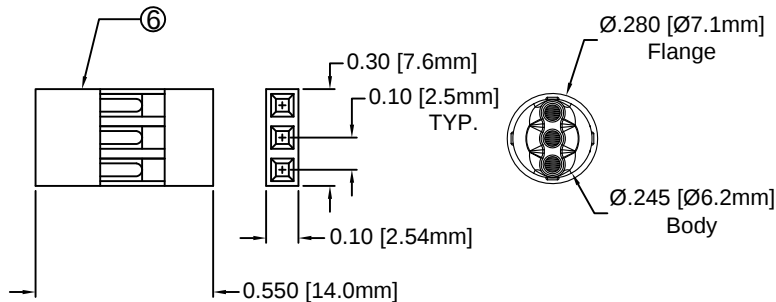
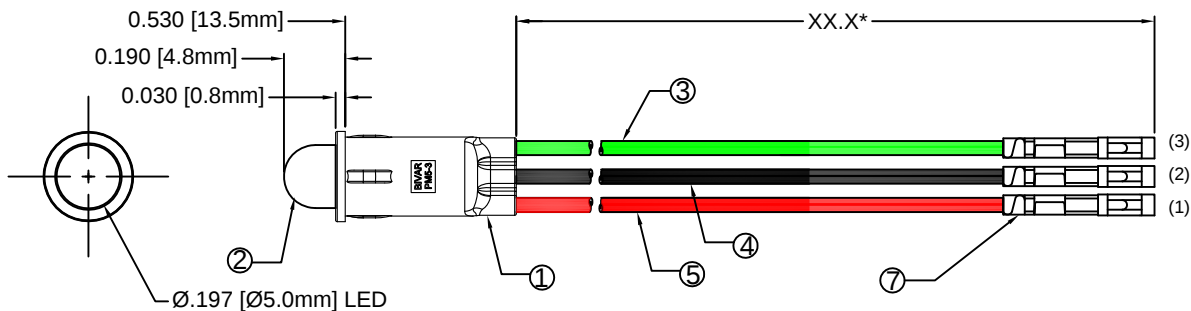


| ITEM | Q'TY | PART NUMBER   | PART DESCRIPTION                                      |
|------|------|---------------|-------------------------------------------------------|
| 1    | 1    | PM5-3         | LED Holder, 3-Lead Panel Mount, Press Fit, 5mm        |
| 2    | 1    | 5BC-3-XX      | T1 ¾ (5mm) 3-Lead Shouldered LED, See Page 2          |
| 3    | 1    | BWS24-1061-GN | 24AWG Wire Lead U.L. 1061, Green                      |
| 4    | 1    | BWS24-1061-BK | 24AWG Wire Lead U.L. 1061, Black                      |
| 5    | 1    | BWS24-1061-RD | 24AWG Wire Lead U.L. 1061, Red                        |
| 6    | 1    | 2665S030000   | Leoco 2665 Series 2.54mm (100") Crimp Type Socket, 1X |
| 7    | 3    | 2653TPB0001   | Leoco Terminal# 2653TPB0001(Reel) 2653TPB00A1(Bulk)   |

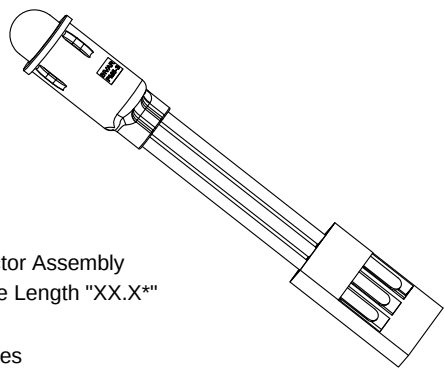
| REV. | DESCRIPTION                           | DATE     | APPROVED |
|------|---------------------------------------|----------|----------|
| A    | Engineering Release                   | 12/02/08 | T. Y.    |
| B    | Updated 5BC-3 LED on Polarity Diagram | 09/01/09 | T. Y.    |
| C    | Added Optical/Electrical Data         | 05/21/15 | J. C.    |
| D    | Engineering Update w/o Changes        | 08/14/16 | J. C.    |

Note: Connector Shipped Non-Assembled in Separate Bag



| LED P/N   | (2) Common Cathode Black Wire |                      |
|-----------|-------------------------------|----------------------|
|           | (1) Anode Red Wire            | (3) Anode Green Wire |
| 5BC-3     | Red                           | Green                |
| 5BC-3-Y/G | Yellow                        | Green                |
| 5BC-3-R/Y | Red                           | Yellow               |

EXAMPLE:  
 PM53 - BC W12.5 CC  
 Connector Assembly  
 XX.X = Wire Length "XX.X\*"   
 Emitted Colors  
 3-Lead Panel Mount Series



# 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 ) |                   | <div>BIVAR®</div> <div>4 THOMAS, IRVINE, CA. 92618</div> <div>TEL: (949) 951-8808 FAX: (949) 951-3974</div> |                |
| <u>DECIMALS</u>                                      | <u>ANGULAR</u>    | <div>TITLE: T1 ¾ (5mm) PANEL MOUNT ASSEMBLY, 3-LEAD BI-COLOR</div>                                          |                |
| .X ± .1                                              | X° ± 1°           |                                                                                                             |                |
| .XX ± .02                                            |                   |                                                                                                             |                |
| .XXX ± .010                                          |                   |                                                                                                             |                |
| DESIGNED:<br>B. Oliver                               | DATE:<br>12/02/08 | PART NO:<br>PM53-XXWXX.XCC                                                                                  | REVISION:<br>D |
| CHECKED:<br>F. Jensen                                | DATE:<br>12/02/08 | CAGE CODE : 32559                                                                                           | SHEET # 1 OF 2 |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                   |                                                                                                             |                |

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

| Assy P/N       | Chip      |                             |               | Lens Appearance | Electro-Optical Data @ 20mA |           |     |             | Viewing Angle<br>2 θ ½<br>(Deg) | LED P/N   |
|----------------|-----------|-----------------------------|---------------|-----------------|-----------------------------|-----------|-----|-------------|---------------------------------|-----------|
|                | Material  | Peak Wave Length<br>λp (nm) | Emitted Color |                 | If<br>(mA)                  | Vf<br>(V) |     | Iv<br>(mcd) |                                 |           |
|                |           |                             |               |                 |                             | MAX       | TYP | MAX         |                                 |           |
| PM53-BCWXX.XCC | GaAsP/GaP | 625                         | RED           | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 35          | 40                              | 5BC-3     |
|                | GaP/GaP   | 568                         | GREEN         |                 | 30                          | 2.1       | 2.8 | 35          |                                 |           |
| PM53-YGWXX.XCC | GaAsP/GaP | 590                         | YELLOW        | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 30          | 40                              | 5BC-3-Y/G |
|                | GaP/GaP   | 568                         | GREEN         |                 | 30                          | 2.1       | 2.8 | 35          |                                 |           |
| PM53-RYWXX.XCC | GaAsP/GaP | 625                         | RED           | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 35          | 40                              | 5BC-3-R/Y |
|                | GaAsP/GaP | 590                         | YELLOW        |                 | 30                          | 2.0       | 2.8 | 30          |                                 |           |

|                                                                                                  |                          |                                                                                                                                                                              |  |
|--------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> <u>ANGULAR</u>    |                          | <div></div> 4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808      FAX: (949) 951-3974 |  |
| <div></div> |                          | TITLE:      T1 ¾ (5mm) PANEL MOUNT<br>ASSEMBLY, 3-LEAD BI-COLOR                                                                                                              |  |
| DESIGNED:<br><b>B. Oliver</b>                                                                    | DATE:<br><b>12/02/08</b> | PART NO:<br><b>PM53-XXWXX.XCC</b>                                                                                                                                            |  |
| CHECKED:<br><b>F. Jensen</b>                                                                     | DATE:<br><b>12/02/08</b> | REVISION:<br><b>D</b>                                                                                                                                                        |  |
|                                                                                                  |                          | CAGE CODE : 32559      SHEET # 2 OF 2                                                                                                                                        |  |
| CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.                                                  |                          |                                                                                                                                                                              |  |