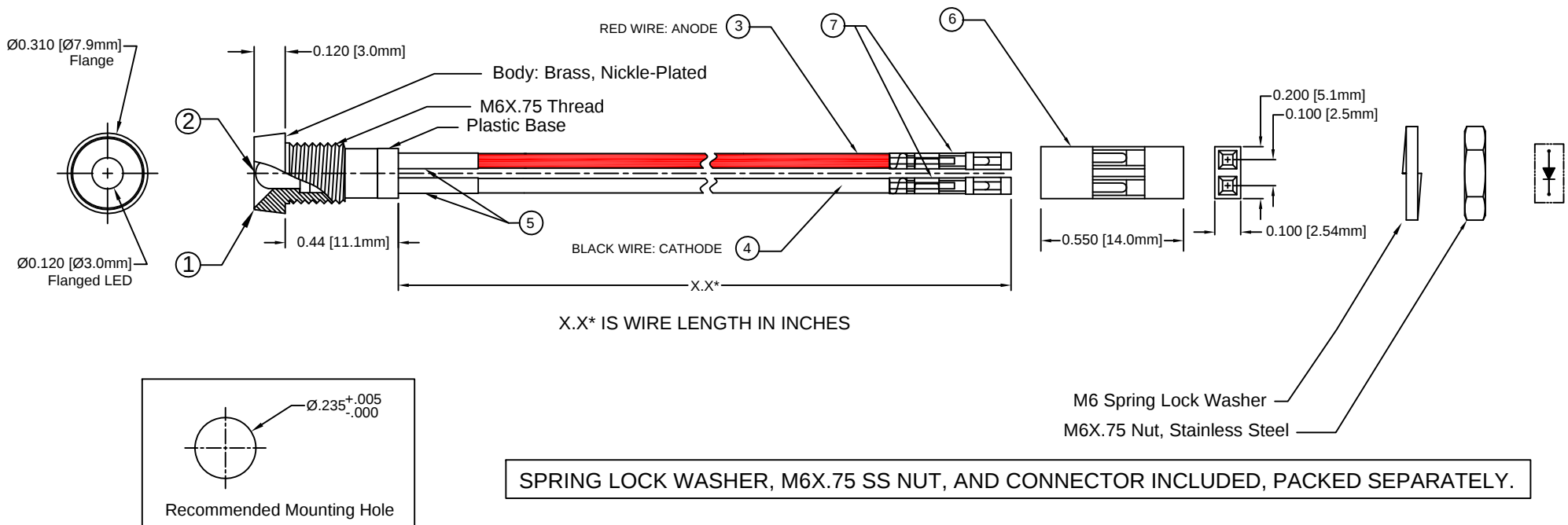


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                                      |
|------|------|-------------|-------------------------------------------------------|
| 1    | 1    | MPR3        | Chrome Panel Mount Holder, 3mm                        |
| 2    | 1    | 3XXX-F      | T-1 (3mm) Flanged LED, P.2 & 3, Note P/N Designation  |
| 3    | 1    | BWS24AWG-RD | 24AWG Wire Lead U.L. 1007, Red                        |
| 4    | 1    | BWS24AWG-BK | 24AWG Wire Lead U.L. 1007, Black                      |
| 5    | 2    | BST200-BK   | Shrink Tubing, Black, .5" Cut Length                  |
| 6    | 1    | 2665S020000 | Leoco 2665 Series 2.54mm (100") Crimp Type Socket, 1X |
| 7    | 2    | 2653TPB0001 | Leoco Terminal# 2653TPB0001(Reel) 2653TPB00A1(Bulk)   |

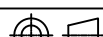
| REV. | DESCRIPTION                 | DATE     | APPROVED |
|------|-----------------------------|----------|----------|
| A    | Engineering Release         | 08/17/09 | T. Y.    |
| B    | Added 5V LED Spec on Page 3 | 08/14/16 | J. C.    |
|      |                             |          |          |
|      |                             |          |          |



P/N Designation:  
**MPR3GD5VW6.5 -CC**  
 Connector  
 Wire Length "X.X", inches  
 - " " Standard LED  
 - "5V" 5V LED  
 - "L" Low Current LED  
 LED Color & Lens Appearance  
 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></div> <div>4 THOMAS, IRVINE, CA. 92618</div> <div>TEL: (949) 951-8808    FAX: (949) 951-3974</div> |                       |
| <u>DECIMALS</u>                                      | <u>ANGULAR</u>                                                                        |                                                                                                                                                                                               |                       |
| .X    ± .1                                           | X°    ± 1°                                                                            |                                                                                                                                                                                               |                       |
| .XX    ± .02                                         |                                                                                       |                                                                                                                                                                                               |                       |
| .XXX    ± .010                                       |                                                                                       |                                                                                                                                                                                               |                       |
|                                                      |  | TITLE:    3MM RECESSED CHROME<br>PANEL MOUNT ASSY                                                                                                                                             |                       |
| DESIGNED:<br><b>R. Paje</b>                          | DATE:<br><b>08/17/09</b>                                                              | PART NO:<br><b>MPR3XXWX.X-CC</b>                                                                                                                                                              | REVISION:<br><b>B</b> |
| CHECKED:<br><b>T. Yin</b>                            | DATE:<br><b>08/17/09</b>                                                              | CAGE CODE : <b>32559</b>                                                                                                                                                                      | SHEET # 1 OF 3        |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                                                                                       |                                                                                                                                                                                               |                       |

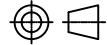
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET #1 |      |          |
|      |              |      |          |

| LED Assy. No.      | Peak Wave Length<br>λp(nm) | Emitted Color | Lens Appearance | Abs. Max Rating | Electro-Optical Data |     |             | Viewing Angle<br>2 Θ ½<br>(Deg) | LED P/N      |
|--------------------|----------------------------|---------------|-----------------|-----------------|----------------------|-----|-------------|---------------------------------|--------------|
|                    |                            |               |                 |                 | Vf<br>(V)            |     | Iv<br>(mcd) |                                 |              |
|                    |                            |               |                 | If (mA)         | TYP                  | MAX | TYP         |                                 |              |
| Standard           |                            |               |                 | Data @ 20mA     |                      |     |             |                                 |              |
| MPR3BWCWX.X-CC     | 430                        | BLUE          | WATER CLEAR     | 25              | 4.0                  | 4.5 | 50          | 30                              | 3BWC-F       |
| MPR3BWDWX.X-CC     | 430                        | BLUE          | DIFFUSED        | 25              | 4.0                  | 4.5 | 20          | 45                              | 3BWD-F       |
| MPR3BWTWX.X-CC     | 430                        | BLUE          | TINTED          | 25              | 4.0                  | 4.5 | 50          | 30                              | 3BWT-F       |
| MPR3UBWC.6KWX.X-CC | 466                        | BLUE          | WATER CLEAR     | 50              | 3.5                  | 4.5 | 600         | 20                              | 3UBWC-0.6K-F |
| MPR3GCWX.X-CC      | 565                        | GREEN         | WATER CLEAR     | 30              | 2.2                  | 2.6 | 65          | 30                              | 3GC-F        |
| MPR3GDWX.X-CC      | 565                        | GREEN         | DIFFUSED        | 30              | 2.2                  | 2.6 | 30          | 45                              | 3GD-F        |
| MPR3GTWX.X-CC      | 565                        | GREEN         | TINTED          | 30              | 2.2                  | 2.6 | 65          | 30                              | 3GT-F        |
| MPR3SGCWX.X-CC     | 568                        | GREEN         | WATER CLEAR     | 30              | 2.2                  | 2.6 | 120         | 30                              | 3SGC-F       |
| MPR3SGDWX.X-CC     | 568                        | GREEN         | DIFFUSED        | 30              | 2.2                  | 2.6 | 55          | 45                              | 3SGD-F       |
| MPR3SGTWX.X-CC     | 568                        | GREEN         | TINTED          | 30              | 2.2                  | 2.6 | 120         | 30                              | 3SGT-F       |
| MPR3YCWXX.X-CC     | 585                        | YELLOW        | WATER CLEAR     | 30              | 2.1                  | 2.6 | 55          | 30                              | 3YC-F        |
| MPR3YDWX.X-CC      | 585                        | YELLOW        | DIFFUSED        | 30              | 2.1                  | 2.6 | 20          | 45                              | 3YD-F        |
| MPR3YTWX.X-CC      | 585                        | YELLOW        | TINTED          | 30              | 2.1                  | 2.6 | 55          | 30                              | 3YT-F        |
| MPR3ACWX.X-CC      | 610                        | AMBER         | WATER CLEAR     | 30              | 2.2                  | 2.6 | 65          | 30                              | 3AC-F        |
| MPR3ADWX.X-CC      | 610                        | AMBER         | DIFFUSED        | 30              | 2.2                  | 2.6 | 30          | 45                              | 3AD-F        |
| MPR3ATWX.X-CC      | 610                        | AMBER         | TINTED          | 30              | 2.2                  | 2.6 | 65          | 30                              | 3AT-F        |
| MPR3HCWX.X-CC      | 635                        | HE RED        | WATER CLEAR     | 30              | 2.0                  | 2.6 | 100         | 30                              | 3HC-F        |
| MPR3HDWX.X-CC      | 635                        | HE RED        | DIFFUSED        | 30              | 2.0                  | 2.6 | 30          | 45                              | 3HD-F        |
| MPR3HTWX.X-CC      | 635                        | HE RED        | TINTED          | 30              | 2.0                  | 2.6 | 100         | 30                              | 3HT-F        |
| MPR3RCWX.X-CC      | 655                        | RED           | WATER CLEAR     | 40              | 1.7                  | 2.0 | 18          | 30                              | 3RC-F        |
| MPR3RDWX.X-CC      | 655                        | RED           | DIFFUSED        | 40              | 1.7                  | 2.0 | 6           | 45                              | 3RD-F        |
| MPR3RTWX.X-CC      | 655                        | RED           | TINTED          | 40              | 1.7                  | 2.0 | 18          | 30                              | 3RT-F        |
| MPR3SRCWX.X-CC     | 660                        | SUPER RED     | WATER CLEAR     | 20              | 1.7                  | 2.6 | 250         | 30                              | 3SRC-F       |
| MPR3SRDWX.X-CC     | 660                        | SUPER RED     | DIFFUSED        | 20              | 1.7                  | 2.6 | 90          | 45                              | 3SRD-F       |
| MPR3SRTWX.X-CC     | 660                        | SUPER RED     | TINTED          | 20              | 1.7                  | 2.6 | 250         | 30                              | 3SRT-F       |
| MPR3UWC0.6KWX.X-CC | X=.29 Y=.30                | WHITE         | WATER CLEAR     | 50              | 3.5                  | 4.5 | 600         | 20                              | 3UWC-0.6K-F  |

|                                                                                               |  |                                                                                                                                                                     |                                                                                                   |
|-----------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br>DECIMALS                      ANGULAR |  | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL.: (949) 951-8808    FAX: (949) 951-3974 |                                                                                                   |
|                                                                                               |  |                                                                                                                                                                     |                                                                                                   |
| DESIGNED:<br><b>R. Paje</b>                                                                   |  | DATE:<br><b>08/17/09</b>                                                                                                                                            | <b>TITLE:</b> 3MM RECESSED CHROME<br>PANEL MOUNT ASSY                                             |
| CHECKED:<br><b>T. Yin</b>                                                                     |  | DATE:<br><b>08/17/09</b>                                                                                                                                            | <b>PART NO:</b><br>MPR3XXWX.X-CC <b>REVISION:</b><br>B                                            |
|                                                                                               |  |                                                                                                                                                                     | <b>CAGE CODE :</b> 32559 <b>SHEET # 2 OF 3</b><br>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) |                                 |          |
|                  |                            |               |                 | MAX                  | TYP       | MAX | TYP         |                                 |          |
| Low Current      |                            |               |                 | Data @ 2mA           |           |     |             |                                 |          |
| MPR3ADLWX.X-CC   | 605                        | AMBER         | DIFFUSED        | 7                    | 2.0       | 2.6 | 4           | 35                              | 3ADL-F   |
| MPR3BWDLWX.X-CC  | 430                        | BLUE          | DIFFUSED        | 7                    | 3.8       | 4.2 | 3           | 35                              | 3BWDL-F  |
| MPR3GDLWX.X-CC   | 568                        | GREEN         | DIFFUSED        | 7                    | 2.1       | 2.6 | 4           | 35                              | 3GDL-F   |
| MPR3HDLWX.X-CC   | 625                        | HE RED        | DIFFUSED        | 7                    | 2.0       | 2.6 | 3           | 35                              | 3HDL-F   |
| MPR3RDLWX.X-CC   | 700                        | RED           | DIFFUSED        | 7                    | 2.1       | 2.8 | 1           | 35                              | 3RDL-F   |
| MPR3SRDLWX.X-CC  | 645                        | SUPER RED     | DIFFUSED        | 7                    | 1.7       | 2.4 | 8           | 35                              | 3SRDL-F  |
| MPR3YDLWX.X-CC   | 590                        | YELLOW        | DIFFUSED        | 7                    | 2.0       | 2.6 | 2           | 35                              | 3YDL-F   |
| 5 VOLT           |                            |               |                 | Data @ 5V            |           |     |             |                                 |          |
| MPR3BWD5VWX.X-CC | 430                        | BLUE          | DIFFUSED        | -                    | -         | 5   | 10          | 35                              | 3BWD5V-F |
| MPR3GC5VWX.X-CC  | 568                        | GREEN         | WATER CLEAR     | -                    | -         | 5   | 40          | 20                              | 3GC5V-F  |
| MPR3GD5VWX.X-CC  | 568                        | GREEN         | DIFFUSED        | -                    | -         | 5   | 25          | 35                              | 3GD5V-F  |
| MPR3GT5VWX.X-CC  | 568                        | GREEN         | TINTED          | -                    | -         | 5   | 40          | 20                              | 3GT5V-F  |
| MPR3AD5VWX.X-CC  | 605                        | AMBER         | DIFFUSED        | -                    | -         | 5   | 25          | 35                              | 3AD5V-F  |
| MPR3HD5VWX.X-CC  | 625                        | HE RED        | DIFFUSED        | -                    | -         | 5   | 30          | 35                              | 3HD5V-F  |
| MPR3RD5VWX.X-CC  | 700                        | RED           | DIFFUSED        | -                    | -         | 5   | 2           | 35                              | 3RD5V-F  |
| MPR3YD5VWX.X-CC  | 590                        | YELLOW        | DIFFUSED        | -                    | -         | 5   | 20          | 35                              | 3YD5V-F  |

|                                                                                               |                          |                                                                                                                                                                     |                       |
|-----------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
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|                                                                                               |                          |  <b>TITLE:</b> 3MM RECESSED CHROME<br>PANEL MOUNT ASSY                         |                       |
| DESIGNED:<br><b>R. Paje</b>                                                                   | DATE:<br><b>08/17/09</b> | <b>PART NO:</b><br>MPR3XXWX.X-CC                                                                                                                                    | REVISION:<br><b>B</b> |
| CHECKED:<br><b>T. Yin</b>                                                                     | DATE:<br><b>08/17/09</b> | <b>CAGE CODE :</b> 32559                                                                                                                                            | <b>SHEET # 3 OF 3</b> |
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