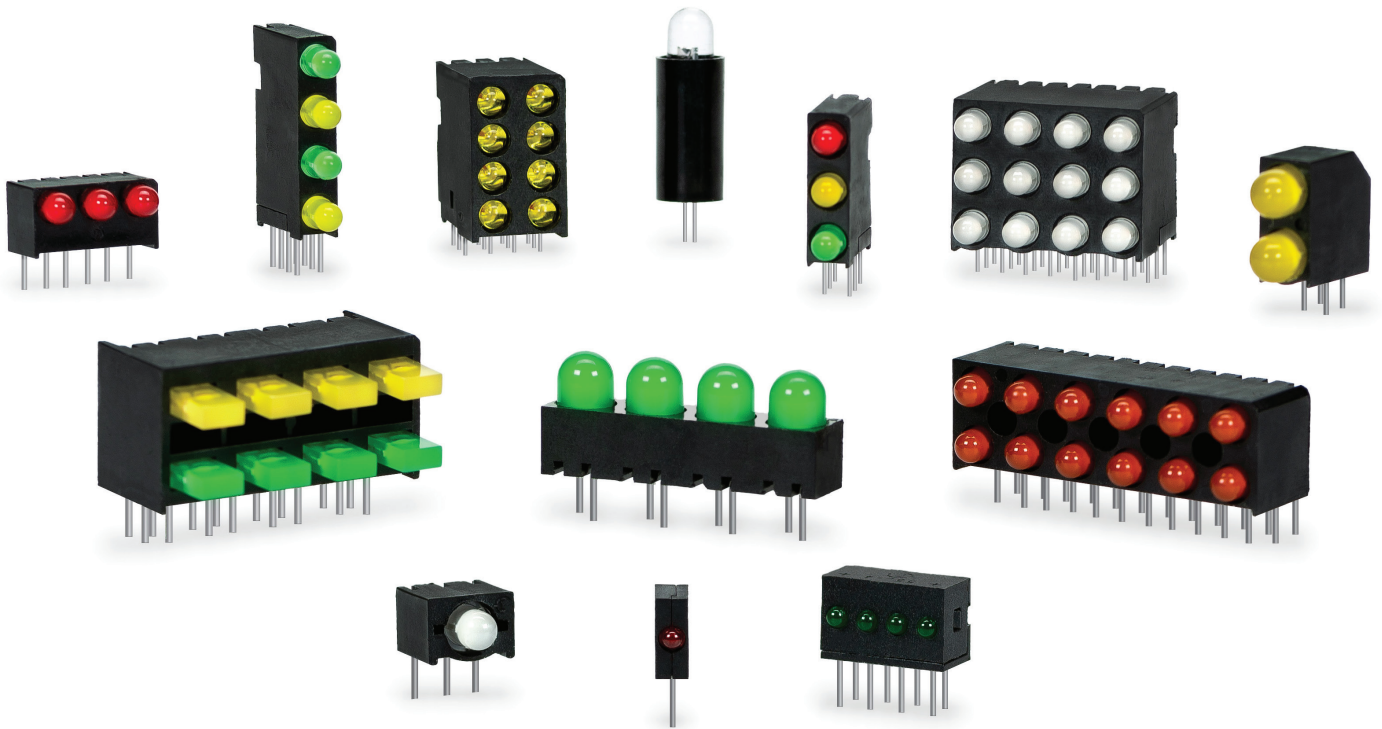


# CBI<sup>®</sup> Through Hole

## Circuit Board Indicator Selector Guide



# Clear Innovation

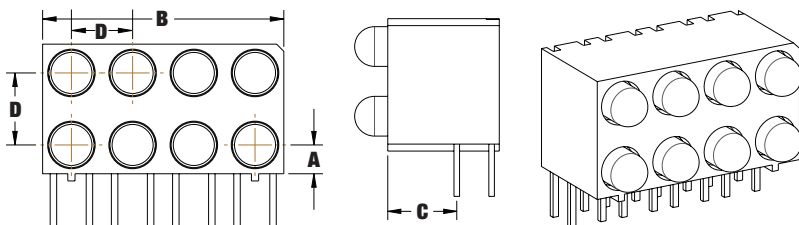
Dialight's circuit board indicators are available through our extensive line of sales representatives and distributors worldwide. For a complete listing that includes the ability to check stock status at our distribution partners, please visit our website at [www.dialightsignalsandcomponents.com](http://www.dialightsignalsandcomponents.com).

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## Dimension Descriptions



- A** The dimension from the center of the LED to the top of the circuit board.
- B** The dimension of the pitch required to mount multiple parts.  
*Note: The drawing to the left shows the width of the product. The pitch required is slightly larger to allow for clearance between adjacent parts.*
- C** The dimension from the front of the housing to the center of the first lead.
- D** The dimension between LEDs, center to center.  
*Note: When applicable, both horizontal and vertical dimensions are given.*

| 2mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 2mm LED CBI

|  |                            |                   |                   |                   |   |   |                              |
|--|----------------------------|-------------------|-------------------|-------------------|---|---|------------------------------|
|  | <a href="#">555-2xxx F</a> | 0.125<br>(3.18mm) | 0.100<br>(2.54mm) | 0.040<br>(1.02mm) | - | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul> | Integral Resistor<br>5V, 24V |
|  | <a href="#">555-3xxx F</a> | 0.250<br>(6.35mm) | 0.100<br>(2.54mm) | -                 | - | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul> | Integral Resistor<br>5V, 24V |

## 2mm Quad LED CBI

|  |                            |                   |                    |                   |                   |   |                              |
|--|----------------------------|-------------------|--------------------|-------------------|-------------------|---|------------------------------|
|  | <a href="#">555-4xxx F</a> | 0.125<br>(3.18mm) | 0.405<br>(10.29mm) | 0.040<br>(1.02mm) | 0.098<br>(2.48mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul> | Integral Resistor<br>5V, 24V |
|  | <a href="#">555-5xxx F</a> | 0.250<br>(6.35mm) | 0.405<br>(10.29mm) | -                 | 0.098<br>(2.48mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul> | Integral Resistor<br>5V, 24V |

## 2mm Bi-Level LED CBI

|  |                            |                   |                   |                   |                  |   |   |
|--|----------------------------|-------------------|-------------------|-------------------|------------------|---|---|
|  | <a href="#">571-01xx F</a> | 0.100<br>(2.54mm) | 0.100<br>(2.54mm) | 0.190<br>(4.83mm) | .150<br>(3.81mm) | <ul style="list-style-type: none"> <li>● R ● R</li> <li>● R ● G</li> <li>● G ● G</li> <li>● Y ● G</li> <li>● Y ● Y</li> </ul> | - |
|--|----------------------------|-------------------|-------------------|-------------------|------------------|---|---|

## 2mm Bi-Level Ganged Array LED CBI

|  |                                |                   |                   |                   |                  |   |   |
|--|--------------------------------|-------------------|-------------------|-------------------|------------------|---|---|
|  | <a href="#">571-01xx-10x F</a> | 0.100<br>(2.54mm) | 0.100<br>(2.54mm) | 0.190<br>(4.83mm) | .150<br>(3.81mm) | <ul style="list-style-type: none"> <li>● R ● R</li> <li>● R ● G</li> <li>● G ● G</li> <li>● Y ● G</li> <li>● Y ● Y</li> </ul> | - |
|--|--------------------------------|-------------------|-------------------|-------------------|------------------|---|---|

## 2mm Tri-Level LED CBI

|  |                                |                  |                  |                  |                  |  |                        |
|--|--------------------------------|------------------|------------------|------------------|------------------|--|------------------------|
|  | <a href="#">570-0100-xxx F</a> | .070<br>(1.78mm) | .200<br>(5.08mm) | .269<br>(6.84mm) | .130<br>(3.30mm) | <ul style="list-style-type: none"> <li>● R ● R ● R</li> <li>● R ● Y ● G</li> <li>● G ● G ● G</li> <li>● Y ● Y ● Y</li> </ul> | (DIN 41494 compatible) |
|--|--------------------------------|------------------|------------------|------------------|------------------|--|------------------------|

| 3mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 3mm LED CBI


|  |                           |                  |                   |                   |   |   |  |
|--|---------------------------|------------------|-------------------|-------------------|---|---|--|
|  | <a href="#">551-xx01F</a> | 0.197<br>(5mm)   | 0.200<br>(5.08mm) | 0.269<br>(6.84mm) | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>(DIN 41494 compatible) |
|  | <a href="#">551-xx02F</a> | 0.1<br>(2.54mm)  | 0.175<br>(4.45mm) | 0.27<br>(6.86mm)  | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> </ul>                           | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                           |
|  | <a href="#">551-xx03F</a> | 0.25<br>(6.35mm) | 0.185<br>(4.70mm) | 0.14<br>(3.6mm)   | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> </ul>              | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                           |
|  | <a href="#">551-xx04F</a> | 0.45<br>(11.4mm) | 0.185<br>(4.70mm) | 0.14<br>(3.6mm)   | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> </ul>              | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                           |
|  | <a href="#">551-xx07F</a> | 0.2<br>(5.08mm)  | 0.175<br>(4.45mm) | 0.175<br>(4.45mm) | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                           |
|  | <a href="#">551-xx09F</a> | 0.12<br>(3.05mm) | 0.165<br>(4.19mm) | 0.16<br>(4.06mm)  | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                           |
|  | <a href="#">551-xx11F</a> | 0.2<br>(5.08mm)  | 0.165<br>(4.19mm) | 0.247<br>(6.27mm) | - | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> </ul>              | Low Current<br>(DIN 41494 compatible)  |

## 3mm 3-Leaded Bi-Color LED CBI


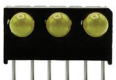
|  |                                |                  |                  |                  |   |   |   |
|--|--------------------------------|------------------|------------------|------------------|---|---|---|
|  | <a href="#">551-3508-801NF</a> | 0.15<br>(3.81mm) | 0.2<br>(5.08mm)  | 0.18<br>(4.57mm) | - | <ul style="list-style-type: none"> <li>● R ● G</li> </ul> | - |
|  | <a href="#">551-3513F</a>      | 0.1<br>(2.54mm)  | .300<br>(7.62mm) | 0.2<br>(5.08mm)  | - | <ul style="list-style-type: none"> <li>● R ● G</li> </ul> | - |

| 3mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

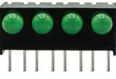
## 3mm Bi-Level 3-Leaded CBI

|   |                               |                 |                  |                 |                             |         |   |
|---|-------------------------------|-----------------|------------------|-----------------|-----------------------------|---------|---|
|  | <a href="#">553-3511-600F</a> | 0.1<br>(2.54mm) | .300<br>(7.62mm) | 0.2<br>(5.08mm) | Vertical<br>0.2<br>(5.08mm) | ● R ● G | - |
|---|-------------------------------|-----------------|------------------|-----------------|-----------------------------|---------|---|





## 3mm Tri-Block LED CBI

|   |                               |                 |                   |                 |                  |                   |                         |
|---|-------------------------------|-----------------|-------------------|-----------------|------------------|-------------------|-------------------------|
|  | <a href="#">551-xx06-003F</a> | 0.1<br>(2.54mm) | 0.54<br>(13.72mm) | 0.2<br>(5.08mm) | 0.18<br>(4.57mm) | ● G<br>● Y<br>● R | Low Current<br>Bi-Color |
|  | <a href="#">551-xx07-003F</a> | 0.2<br>(5.08mm) | 0.54<br>(13.72mm) | 0.2<br>(5.08mm) | 0.18<br>(4.57mm) | ● G<br>● Y<br>● R | Low Current             |

## 3mm Quad LED CBI

|   |                               |                 |                   |                   |                   |                          |  |
|---|-------------------------------|-----------------|-------------------|-------------------|-------------------|--------------------------|--|
|  | <a href="#">551-xx07-004F</a> | 0.2<br>(5.08mm) | 0.68<br>(17.27mm) | 0.175<br>(4.45mm) | 0.170<br>(4.32mm) | ● G<br>● Y<br>● R<br>● O | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity |
|---|-------------------------------|-----------------|-------------------|-------------------|-------------------|--------------------------|--|

## 3mm Bi-Level LED CBI

|   |                               |                   |                   |                   |                 |                                 |  |
|---|-------------------------------|-------------------|-------------------|-------------------|-----------------|---------------------------------|--|
|  | <a href="#">553-xxxxF</a>     | 0.1<br>(2.54mm)   | 0.175<br>(4.45mm) | 0.175<br>(4.45mm) | 0.2<br>(5.08mm) | ● G<br>● Y<br>● R<br>● B<br>● O | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>Blank Position                           |
|  | <a href="#">553-xxxx-200F</a> | 0.100<br>(2.54mm) | 0.175<br>(4.45mm) | 0.269<br>(6.84mm) | 0.2<br>(5.08mm) | ● R<br>● G<br>● Y<br>● O<br>● B | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>(DIN 41494 compatible)<br>Blank Position |
|  | <a href="#">553-xxxx-300F</a> | 0.1<br>(2.54mm)   | 0.2<br>(5.08mm)   | 0.2<br>(5.08mm)   | 0.2<br>(5.08mm) | ● R<br>● G<br>● Y<br>● O<br>● B | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>Blank                                    |
|  | <a href="#">553-xxxx-400F</a> | 0.1<br>(2.54mm)   | 0.2<br>(5.08mm)   | 0.269<br>(6.84mm) | 0.2<br>(5.08mm) | ● R<br>● G<br>● Y<br>● O<br>● B | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>(DIN 41494 compatible)                   |

| 3mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 3mm Ganged Array LED CBI

|  |                               |                 |                    |                   |  |   |          |
|--|-------------------------------|-----------------|--------------------|-------------------|--|---|----------|
|  | <a href="#">553-xxxx-0xxF</a> | 0.1<br>(2.54mm) | 0.800<br>(20.32mm) | 0.175<br>(4.45mm) | Vertical<br>0.2<br>(5.08mm)<br>Horizontal<br>0.2<br>(5.08mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> <li>● O</li> </ul>                     | Bi-Color |
|  | <a href="#">553-xxxx-1xxF</a> | 0.1<br>(2.54mm) | 0.175<br>(4.45mm)  | 0.27<br>(6.86mm)  | Vertical<br>0.2<br>(5.08mm)                                  | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> </ul> | Bi-Color |
|  | <a href="#">553-xxxx-2xxF</a> | 0.1<br>(2.54mm) | 0.175<br>(4.45mm)  | 0.27<br>(6.86mm)  | Vertical<br>0.2<br>(5.08mm)                                  | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● B</li> <li>● O</li> </ul>                     | Bi-Color |

## 3mm High Density Narrow Bi-level LED CBI

|  |                               |                  |                   |                  |                  |   |   |
|--|-------------------------------|------------------|-------------------|------------------|------------------|---|---|
|  | <a href="#">569-011x-x00F</a> | 0.09<br>(2.29mm) | 0.135<br>(3.43mm) | 0.24<br>(6.10mm) | 0.18<br>(4.57mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> <li>● O</li> <li>● B</li> </ul> | - |
|  | <a href="#">569-010x-xxxF</a> | 0.09<br>(2.29mm) | 0.265<br>(6.73mm) | 0.24<br>(6.10mm) | 0.18<br>(4.57mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> <li>● O</li> <li>● B</li> </ul> | - |

## 3mm Bi-Level Array LED CBI

|  |                               |                 |                    |                 |  |   |  |
|--|-------------------------------|-----------------|--------------------|-----------------|--|---|--|
|  | <a href="#">553-xxxx-306F</a> | 0.1<br>(2.54mm) | 1.205<br>(30.61mm) | 0.2<br>(5.08mm) | Vertical<br>0.2<br>(5.08mm)<br>Horizontal<br>0.2<br>(5.08mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> <li>● O</li> <li>● B</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused |
|--|-------------------------------|-----------------|--------------------|-----------------|--|---|--|

## 3mm Bi-Level LED CBI Backlighting

|  |                               |                 |                   |                  |                 |   |           |
|--|-------------------------------|-----------------|-------------------|------------------|-----------------|---|-----------|
|  | <a href="#">553-22xx-100F</a> | 0.1<br>(2.54mm) | 0.175<br>(4.45mm) | 0.27<br>(6.86mm) | 0.2<br>(5.08mm) | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> </ul> | Backlight |
|--|-------------------------------|-----------------|-------------------|------------------|-----------------|---|-----------|

| 3mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 3mm Tri-Level LED CBI

|  |                                |                 |                     |                   |  |   |  |
|--|--------------------------------|-----------------|---------------------|-------------------|--|---|--|
|  | <a href="#">564-0x00-xxxF</a>  | 0.1<br>(2.54mm) | 0.175<br>(4.45mm)   | 0.175<br>(4.45mm) | 0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R</li> <li>● R-● Y-● G</li> <li>● G-● G-● G</li> <li>● O-● O-● O</li> <li>● B-● B-● B</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Blank Position |
|  | <a href="#">564-2210-xxxF</a>  | 0.1<br>(2.54mm) | 0.175<br>(4.45mm)   | 0.27<br>(6.86mm)  | 0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul>   | Backlight  |
|  | <a href="#">564-xx40-xxx4F</a> | 0.1<br>(2.54mm) | 0.775<br>(19.685mm) | 0.27<br>(6.86mm)  | Vertical<br>0.2<br>(5.08mm)<br>Horizontal<br>0.2<br>(5.08mm) | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul>   | -  |


## 3mm Quad-Level LED CBI

|  |                                |                   |                    |                   |  |  |   |
|--|--------------------------------|-------------------|--------------------|-------------------|--|--|---|
|  | <a href="#">568-0x0x-xxxF</a>  | 0.1<br>(2.54mm)   | 0.175<br>(4.45mm)  | 0.11<br>(2.79mm)  | 0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● G-● Y-● G-● Y</li> <li>● Y-● G-● Y-● G</li> <li>● O-● O-● O-● O</li> <li>● B-● B-● B-● B</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Backlight   |
|  | <a href="#">568-221x-xxxF</a>  | 0.1<br>(2.54mm)   | 0.175<br>(4.45mm)  | 0.245<br>(6.22mm) | 0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● G-● Y-● G-● Y</li> <li>● Y-● G-● Y-● G</li> <li>● B</li> </ul>                                      | Backlight   |
|  | <a href="#">568-223x-xxxF</a>  | 0.1<br>(2.54mm)   | 0.175<br>(4.45mm)  | 0.245<br>(6.22mm) | Vertical<br>0.15<br>(3.81mm)<br>Horizontal<br>0.15<br>(3.81mm) | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● Y-● Y-● Y-● Y</li> </ul>  | Backlight<br>Blank Position   |
|  | <a href="#">568-223x-xxx2F</a> | 0.1<br>(2.54mm)   | 0.40<br>(10.16mm)  | 0.245<br>(6.22mm) | Vertical<br>0.15<br>(3.81mm)<br>Horizontal<br>0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● Y-● Y-● Y-● Y</li> </ul>  | Backlight   |
|  | <a href="#">568-223x-xxx4F</a> | 0.1<br>(2.54mm)   | 0.80<br>(20.32mm)  | 0.245<br>(6.22mm) | Vertical<br>0.15<br>(3.81mm)<br>Horizontal<br>0.2<br>(5.08mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● Y-● Y-● Y-● Y</li> </ul>  | Backlight   |
|  | <a href="#">568-xx4x-xxx3F</a> | 0.139<br>(3.53mm) | 0.529<br>(13.44mm) | 0.254<br>(6.45mm) | Vertical<br>0.2<br>(5.08mm)<br>Horizontal<br>0.177<br>(4.5mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R</li> <li>● R-● Y-● G</li> <li>● G-● G-● G</li> </ul>  | Integral Resistor, 5V<br>Low Current, 2mA<br>Bi-Color<br>Tinted/Non-Diffused<br>Backlight |
|  | <a href="#">568-xx4x-xxx4F</a> | 0.139<br>(3.53mm) | 0.706<br>(17.93mm) | 0.254<br>(6.45mm) | Vertical<br>0.2<br>(5.08mm)<br>Horizontal<br>0.177<br>(4.5mm)  | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● Y-● Y-● Y-● Y</li> </ul>  | Integral Resistor, 5V<br>Low Current, 2mA<br>Bi-Color<br>Tinted/Non-Diffused<br>Backlight |




| 4mm & Rectangular | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-------------------|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-------------------|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 4mm LED CBI

|   |                           |                   |                  |                   |   |   |   |
|---|---------------------------|-------------------|------------------|-------------------|---|---|---|
|  | <a href="#">550-6x07F</a> | 0.118<br>(3.00mm) | 0.25<br>(6.35mm) | 0.205<br>(5.21mm) | - | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul> | - |
|---|---------------------------|-------------------|------------------|-------------------|---|---|---|


## 4mm Bi-Level LED CBI

|   |                               |                   |                  |                    |                  |   |                |
|---|-------------------------------|-------------------|------------------|--------------------|------------------|---|----------------|
|  | <a href="#">552-60xx-200F</a> | 0.118<br>(3.00mm) | 0.25<br>(6.35mm) | 0.210<br>(5.334mm) | .232<br>(5.89mm) | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> </ul> | Blank Position |
|---|-------------------------------|-------------------|------------------|--------------------|------------------|---|----------------|

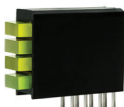
## 2mm x 4mm Rectangular Bi-Level LED CBI

|  |                           |                    |                   |                   |                   |  |                            |
|--|---------------------------|--------------------|-------------------|-------------------|-------------------|--|----------------------------|
|  | <a href="#">567-0xxxF</a> | 0.125<br>(3.175mm) | 0.250<br>(6.35mm) | 0.220<br>(5.59mm) | 0.250<br>(6.35mm) | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> <li>(● R/● G)</li> </ul> | Bi-Color<br>Blank Position |
|--|---------------------------|--------------------|-------------------|-------------------|-------------------|--|----------------------------|



## 2mm x 4mm Quad Rectangular Bi-Level LED CBI

|  |                               |                    |                   |                   |                                 |   |                            |
|--|-------------------------------|--------------------|-------------------|-------------------|---------------------------------|---|----------------------------|
|  | <a href="#">567-0xxx-004F</a> | 0.125<br>(3.175mm) | 1.000<br>(25.4mm) | 0.220<br>(5.59mm) | Vertical<br>0.250<br>(6.35mm)   | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> </ul> | Bi-Color<br>Blank Position |
|  |                               |                    |                   |                   | Horizontal<br>0.250<br>(6.35mm) |   |                            |

## 2mm x 4mm Rectangular Quad-Level LED CBI

|  |                               |                  |                   |                   |                  |   |                            |
|--|-------------------------------|------------------|-------------------|-------------------|------------------|---|----------------------------|
|  | <a href="#">568-0x2x-xxxF</a> | .100<br>(2.54mm) | 0.200<br>(5.08mm) | 0.291<br>(7.39mm) | .100<br>(2.54mm) | <ul style="list-style-type: none"> <li>● R-● R-● R-● R</li> <li>● G-● G-● G-● G</li> <li>● G-● Y-● G-● Y</li> <li>● Y-● G-● Y-● G</li> <li>● Y-● Y-● Y-● Y</li> </ul> | Bi-Color<br>Blank Position |
|--|-------------------------------|------------------|-------------------|-------------------|------------------|---|----------------------------|

## 2mm x 5mm Rectangular LED CBI

|   |                           |                  |                   |                  |  |  |          |
|---|---------------------------|------------------|-------------------|------------------|--|--|----------|
|  | <a href="#">566-xx06F</a> | 0.15<br>(3.81mm) | 0.16<br>(4.06mm)  | 0.3<br>(7.62mm)  |  | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> <li>● O</li> </ul> | -        |
|   | <a href="#">566-xx07F</a> | 0.2<br>(5.08mm)  | 0.315<br>(8.00mm) | .380<br>(9.65mm) |  | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● Y</li> </ul>              | Bi-Color |



| Rectangular & 5mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-------------------|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-------------------|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 2.5mm x 7mm Rectangular LED CBI

|  |                               |                                    |   |   |   |   |  |
|--|-------------------------------|------------------------------------|---|---|---|---|--|
|  | <a href="#">561-4x01-055F</a> | .550<br>(13.97mm)<br>To top of LED | .200<br>(5.08mm)<br>Side by side<br>0.400<br>(10.16 mm)<br>End to End | - | - | <ul style="list-style-type: none"> <li><span style="color: red;">●</span> R</li> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> </ul> |  |
|  | <a href="#">561-4x01-081F</a> | .810<br>(20.57mm)<br>To top of LED | .200<br>(5.08mm)<br>Side by side<br>0.400<br>(10.16 mm)<br>End to End | - | - | <ul style="list-style-type: none"> <li><span style="color: red;">●</span> R</li> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> </ul> |  |

## 5mm LED CBI

|  |                               |   |                    |                    |   |   |  |
|--|-------------------------------|---|--------------------|--------------------|---|---|--|
|  | <a href="#">550-xx10F</a>     | 0.118<br>(3.0 mm)                                 | 0.25<br>(6.35mm)   | 0.345<br>(8.76 mm) | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: blue;">●</span> B</li> </ul>  | Backlight  |
|  | <a href="#">550-xx12F</a>     | 0.198<br>(5.03mm)                                 | 0.400<br>(10.16mm) | 0.670<br>(17mm)    | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> </ul>  | (DIN 41494 compatible)<br>Reverse Polarity   |
|  | <a href="#">561-xx0x-xxxF</a> | 0.500 - 1.000<br>(12.7 – 25.4mm)<br>To top of LED | 0.285<br>(7.24mm)  | -                  | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> <li><span style="color: blue;">●</span> B</li> <li><span style="color: white;">○</span> W</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Super Bright/Water Clear<br>Super Bright/Diffused<br>Non-Tinted/Non-Diffused |
|  | <a href="#">550-xx04F</a>     | 0.230<br>(5.84mm)                                 | 0.250<br>(6.35mm)  | -                  | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> <li><span style="color: blue;">●</span> B</li> </ul>   | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |
|  | <a href="#">550-xx05F</a>     | 0.118<br>(3.0 mm)                                 | 0.250<br>(6.35mm)  | 0.205<br>(5.21mm)  | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> <li><span style="color: blue;">●</span> B</li> </ul>   | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |
|  | <a href="#">550-xx07F</a>     | 0.118<br>(3.0 mm)                                 | 0.250<br>(6.35mm)  | 0.205<br>(5.21mm)  | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> <li><span style="color: blue;">●</span> B</li> </ul>   | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |
|  | <a href="#">550-xx08F</a>     | 0.250<br>(6.35mm)                                 | 0.250<br>(6.35mm)  | 0.205<br>(5.21mm)  | - | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> G</li> <li><span style="color: yellow;">●</span> Y</li> <li><span style="color: red;">●</span> R</li> <li><span style="color: orange;">●</span> O</li> <li><span style="color: blue;">●</span> B</li> </ul>   | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |

| 5mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 5mm 3-Leaded Bi-Color LED CBI

|  |                           |                   |                   |                   |   |  |          |
|--|---------------------------|-------------------|-------------------|-------------------|---|--|----------|
|  | <a href="#">550-3x05F</a> | 0.141<br>(3.58mm) | 0.300<br>(7.62mm) | 0.19<br>(4.83mm)  | - | <ul style="list-style-type: none"> <li>● R/● G</li> <li>● Y/● G</li> </ul> | Bi-Color |
|  | <a href="#">550-3x09F</a> | 0.15<br>(3.81mm)  | 0.3<br>(7.62mm)   | 0.285<br>(7.24mm) | - | <ul style="list-style-type: none"> <li>● R/● G</li> <li>● Y/● G</li> </ul> | Bi-Color |

## 5mm 3-Leaded Bi-Color LED CBI, Offset Cathode

|  |                           |                   |                  |                   |   |  |          |
|--|---------------------------|-------------------|------------------|-------------------|---|--|----------|
|  | <a href="#">550-3x07F</a> | 0.118<br>(3.00mm) | 0.25<br>(6.35mm) | 0.205<br>(5.21mm) | - | <ul style="list-style-type: none"> <li>● R/● G</li> <li>● Y/● G</li> </ul> | Bi-Color |
|--|---------------------------|-------------------|------------------|-------------------|---|--|----------|

## 5mm Dual LED CBI

|  |                               |                   |                  |                  |                  |  |  |
|--|-------------------------------|-------------------|------------------|------------------|------------------|--|--|
|  | <a href="#">550-xx07-002F</a> | 0.118<br>(3.00mm) | 0.50<br>(12.7mm) | .205<br>(5.21mm) | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color |
|--|-------------------------------|-------------------|------------------|------------------|------------------|--|--|

## 5mm Tri-Block LED CBI

|  |                               |                   |                  |                  |                  |  |   |
|--|-------------------------------|-------------------|------------------|------------------|------------------|--|---|
|  | <a href="#">550-xx05-003F</a> | 0.118<br>(3.00mm) | .75<br>(19.05mm) | .205<br>(5.21mm) | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul> | - |
|--|-------------------------------|-------------------|------------------|------------------|------------------|--|---|

| 5mm | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors | Additional Options |
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|
|-----|------------------|-------------------------------|--|---------------------------|------------------|--------------------|

## 5mm Quad LED CBI

|  |                               |                   |                  |                  |                  |  |  |
|--|-------------------------------|-------------------|------------------|------------------|------------------|--|--|
|  | <a href="#">550-xx04-004F</a> | 0.23<br>(5.84mm)  | 1.00<br>(25.4mm) | -                | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |
|  | <a href="#">550-xx05-004F</a> | 0.118<br>(3.00mm) | 1.00<br>(25.4mm) | .205<br>(5.21mm) | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>Bi-Color   |
|  | <a href="#">550-xx07-004F</a> | 0.118<br>(3.00mm) | 1.00<br>(25.4mm) | .205<br>(5.21mm) | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul> | Integral Resistor, 5V<br>Low Current<br>High Efficiency<br>Tinted/Non-Diffused<br>Super Bright/Diffused<br>Super Bright/Water Clear<br>Non-Tinted/Non-Diffused<br>Bi-Color |

## 5mm Bi-Level LED CBI

|  |                               |                   |                  |                   |                  |   |   |
|--|-------------------------------|-------------------|------------------|-------------------|------------------|---|---|
|  | <a href="#">552-0xxx F</a>    | 0.125<br>(3.18mm) | 0.25<br>(6.35mm) | 0.22<br>(5.59mm)  | 0.25<br>(6.36mm) | <ul style="list-style-type: none"> <li>● G</li> <li>● Y</li> <li>● R</li> <li>● O</li> </ul>                                  | Integral Resistor, 5, 12V<br>Low Current<br>Bi-Color  |
|  | <a href="#">552-35xx F</a>    | 0.125<br>(3.18mm) | 0.3<br>(7.62mm)  | 0.32<br>(8.13mm)  | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● R/● G</li> <li>● Y/● G</li> </ul>  | Integral Resistor, 5V<br>Low Current<br>High Efficiency<br>Tinted/Non-Diffused<br>Super Bright/Diffused<br>Super Bright/Water Clear<br>Non-Tinted/Non-Diffused<br>Bi-Color              |
|  | <a href="#">552-22xx-100F</a> | 0.125<br>(3.18mm) | 0.25<br>(6.35mm) | 0.345<br>(8.76mm) | 0.25<br>(6.35mm) | <ul style="list-style-type: none"> <li>● R-● R</li> <li>● G-● G</li> <li>● G-● Y</li> <li>● Y-● G</li> <li>● Y-● Y</li> </ul> | Integral Resistor, 5V<br>Low Current<br>High Efficiency<br>Tinted/Non-Diffused<br>Super Bright/Diffused<br>Super Bright/Water Clear<br>Non-Tinted/Non-Diffused<br>Bi-Color<br>Backlight |

## 5mm 4-Leaded Tri-Color R/G/B LED CBI

|  |                           |                   |                 |                  |   |   |                                |
|--|---------------------------|-------------------|-----------------|------------------|---|---|--------------------------------|
|  | <a href="#">550-4013F</a> | 0.165<br>(4.19mm) | 0.3<br>(7.62mm) | 0.2<br>(5.08mm)  | - | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● B</li> </ul> | Tri-color<br>RGB<br>Protruding |
|  | <a href="#">550-4014F</a> | 0.165<br>(4.19mm) | 0.3<br>(7.62mm) | 0.4<br>(10.16mm) | - | <ul style="list-style-type: none"> <li>● R</li> <li>● G</li> <li>● B</li> </ul> | Tri-color<br>RGB<br>Backlight  |



550, 551, 552, 553, 555, 561, 564, 566, 567, 568, 569, 570 & 571 SERIES

## CBI® Through Hole Discrete & Housed LEDs

*The widest variety of configurations including:*

- Right angle, vertical & horizontal arrays in single, bi, tri and quad blocks
- 2mm, 3mm, 4mm, 5mm & Rectangular LEDs
- Perfect for direct view or backlighting applications
- Single & bi-color, diffused, water-clear, tinted, super-bright & high efficiency
- Over 2500 variations, with custom LED placement available
- All visible colors of the spectrum available (from blue to red)



597, 598 & 599 SERIES

## microLED® Surface Mount LEDs

*Ten different package sizes including:*

- 0402, 0404, 0603, 0606, 0805, 1206, 1208, 1210, 1515, 2827, 3528 / PLCC & 3735
- Single color, bi color, tri color in top, right angle, and reverse mount LED configurations.
- Latest AlInGaP & InGaN technology
- Cost competitive pricing



591, 592, 593, 594, 595 & 596 SERIES

## Prism® Series Right Angle SMDs

- Fully SMD process compliant part (taped and reeled / pick and place / reflow oven compatible)
- 1.6mm, 2mm & 3mm LEDs
- Can withstand higher temp RoHS solder process and eliminates need for secondary optics or separate process
- Available in standard and low current versions
- Available with square or round lens
- Packaged in single, bi & tri level configurations



515 SERIES

## Optopipe® Light Pipes for use with microLED® SMDs

- Light pipes act as a conduit for directing light from LED to front panel viewing
- For PCB and panel mount press-fit mounting
- Right angle and vertical versions available in more than 400 sizes and shapes
- Provides ESD protection, operating / storage temperature -30°C to +100°C
- Allows edge lighting around components such as SFP assemblies and RJ45 jacks
- UL 94V-0 Compliant



249, 507, 556, 557, 558, 559, 605, 606, 607, 608, 609, 610, 612, 620, 621, 622, 623, 630, 653, 654, 655, 656, 657, 658, 675, 676, 677, 678, 679, 680 & 682 SERIES

## LED Panel Mount Indicators Plastic & Metal Housings

- Incorporating the latest LED technology in a tamper-proof metal housing enclosures
- Variety of mounting hole diameters from 0.156" (3.9mm) - 1.18" (30 mm)
- Operating voltages 2-72 VDC, 125 and 230 VAC
- Some feature a water-tight seal to NEMA 4X / IP66/67 and daylight viewability
- Available in: red, green, yellow, orange, blue, cyan and white
- 556 & 656 series are UL certified
- RoHS compliant, some with 6C exemptions
- All metal and some plastic housing use lock washer and nut for secure mounting while our 558, 559 and some 600 series use a snap-in plastic housing



585 & 586 SERIES

## Based LED Bulbs

- Replaces traditional miniature incandescent bulbs with rugged long-lasting and energy-efficient LEDs
- Base styles including: T 1 3/4 Midget Flange, Wedge Base and Bi-Pin, T 3 1/4 Mini-Bayonet and Mini-Screw, T2 Telephone Slide and 15mm Bayonet
- Voltages from 6, 14 and 28 VDC, 6-36 VDC multi-voltage operation and 125 VAC with non-polarized versions available
- Colors include: red, green, yellow, blue and white while our 558, 559 and some 600 series use a snap-in plastic housing



## Military & Relampable Panel Mount Indicators

- Military - LH, LC and MS designations and QPL listed
- Incandescent or neon, designed to mount into 15/32", 11/16" and 1" clearance holes
- Feature water-tight and oil-tight, edge lighting, press-to-test, and dimmable semi or total blackout
- Consult Dialight's Military Cross Reference for specific part number
- Commercial - Incandescent or neon indicators UL recognized designed to mount into 15/32", 11/16" and 1" clearance holes
- Lenses are available in flat, dome, torpedo and faceted



[www.dialightsignalsandcomponents.com](http://www.dialightsignalsandcomponents.com)