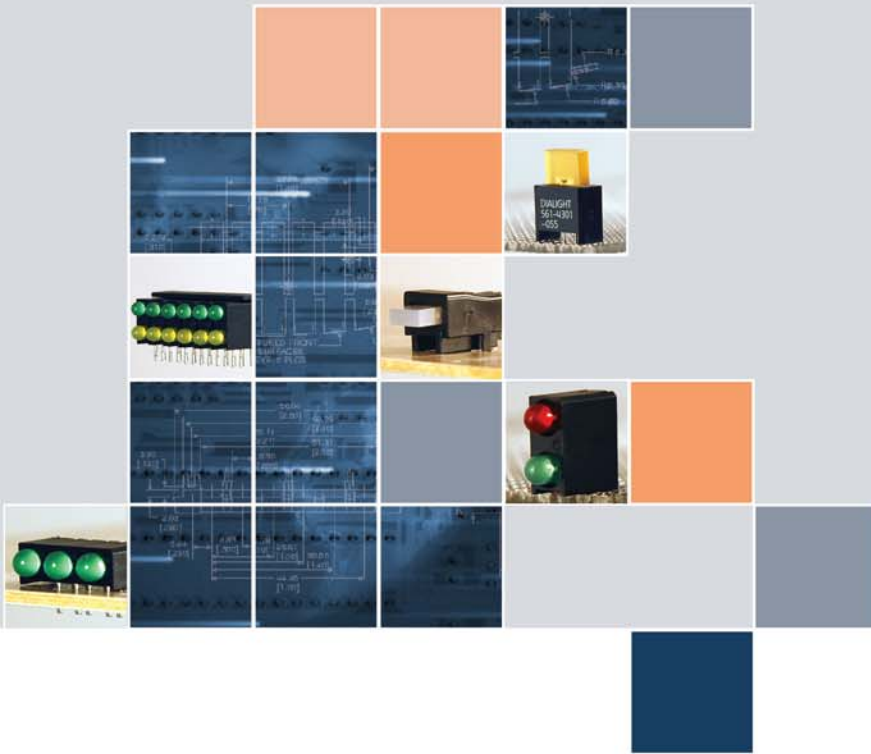




Dialight

*CBI® Through Hole  
Circuit Board Indicator  
Selector Guide*



# Clear Innovation

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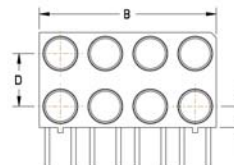
The most current version of this catalog will always be available at the link below:

[http://www.dialight.com/Assets/Brochures\\_And\\_Catalogs/Indication/cbi\\_selector\\_guide.pdf](http://www.dialight.com/Assets/Brochures_And_Catalogs/Indication/cbi_selector_guide.pdf)

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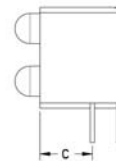
## DIMENSION DESCRIPTIONS



**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.

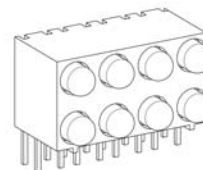
*Note:* The drawing above shows the width of the product. The pitch required is slightly larger to allow for clearance between adjacent parts.



**C** The dimension from the front of the housing to the center of the first lead.

**D** The dimension between LEDs, center to center.

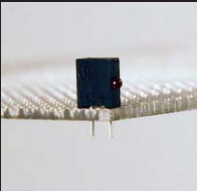
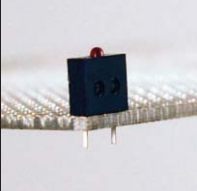
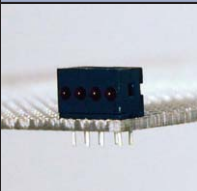
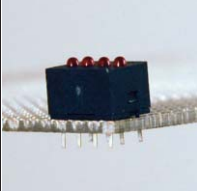
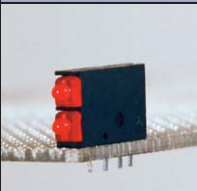
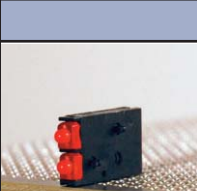
*Note:* When applicable, both horizontal and vertical dimensions are given.



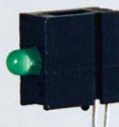
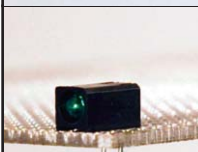
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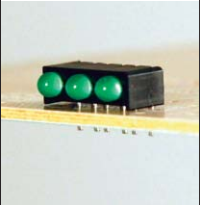
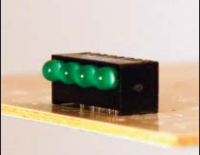
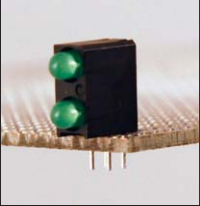
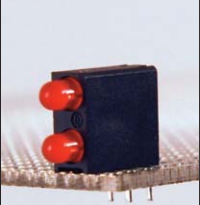
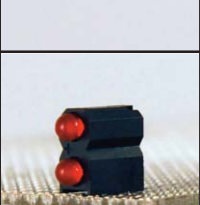
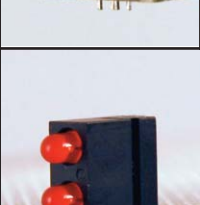
# CBI® LED Circuit Board Indicator Selector Guide

| 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                                                                        |                  |                               |                                        |                           |                  |                                                                            |
|    | 555-2xxF         | 0.125 (3.18mm)                | 0.100 (2.54mm)                         | 0.040 (1.02mm)            | -                | •R<br>•G<br>•Y<br><br>Integral Resistor<br>5V, 24V                         |
|    | 555-3xxF         | 0.250 (6.35mm)                | 0.100 (2.54mm)                         | -                         | -                | •R<br>•G<br>•Y<br><br>Integral Resistor<br>5V, 24V                         |
| 2mm Quad LED CBI                                                                   |                  |                               |                                        |                           |                  |                                                                            |
|    | 555-4xxF         | 0.125 (3.18mm)                | 0.405 (10.29mm)                        | 0.040 (1.02mm)            | 0.100 (2.54mm)   | •R<br>•G<br>•Y<br><br>Integral Resistor<br>5V, 24V                         |
|  | 555-5xxF         | 0.250 (6.35mm)                | 0.405 (10.29mm)                        | -                         | 0.100 (2.54mm)   | •R<br>•G<br>•Y<br><br>Integral Resistor<br>5V, 24V                         |
| 2mm Bi-Level LED CBI                                                               |                  |                               |                                        |                           |                  |                                                                            |
|  | 571-01xxF        | 0.100 (2.54mm)                | 0.100 (2.54mm)                         | 0.190 (4.83mm)            | 0.190 (4.83mm)   | •R •R<br>•R •G<br>•G •G<br>•Y •G<br>•Y •Y<br><br>-                         |
| 2mm Bi-Level Ganged Array LED CBI                                                  |                  |                               |                                        |                           |                  |                                                                            |
|  | 571-01XX-10XF    | 0.100 (2.54mm)                | 0.100 (2.54mm)                         | 0.190 (4.83mm)            | 0.190 (4.83mm)   | •R •R<br>•R •G<br>•G •G<br>•Y •G<br>•Y •Y<br><br>-                         |
| 2mm Tri-Level LED CBI                                                              |                  |                               |                                        |                           |                  |                                                                            |
|  | 570-0100-xxxF    | .070 1.78mm                   | .200 5.08mm                            | .269 6.84mm               | .130 3.30mm      | •R •R •R<br>•R •Y •G<br>•G •G •G<br>•Y •Y •Y<br><br>(DIN 41494 compatible) |

# CBI® LED Circuit Board Indicator Selector Guide

| 3MM                                                                                 | LED from PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors | Additional<br>Options                                                                                                                                                                                |
|-------------------------------------------------------------------------------------|---------------------|----------------------------------------|----------------------------------------------------|------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 mm LED CBI                                                                        |                     |                                        |                                                    |                                    |                     |                                                                                                                                                                                                      |
|     | 551-xx01F           | 0.197<br>(5mm)                         | 0.197<br>(5mm)                                     | 0.269<br>(6.84mm)                  | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div><div>•O</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity<br/>(DIN 41494 compatible)</div></div> |
|     | 551-xx02F           | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.27<br>(6.86mm)                   | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity</div></div>                                                      |
|     | 551-xx03F           | 0.25<br>(6.35mm)                       | 0.185<br>(4.70mm)                                  | 0.14<br>(3.6mm)                    | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity</div></div>                                         |
|    | 551-xx04F           | 0.45<br>(11.4mm)                       | 0.185<br>(4.70mm)                                  | 0.14<br>(3.6mm)                    | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity</div></div>                                         |
|   | 551-xx07F           | 0.2<br>(5.08mm)                        | 0.175<br>(4.45mm)                                  | 0.175<br>(4.45mm)                  | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div><div>•O</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity</div></div>                            |
|   | 551-xx09F           | 0.12<br>(3.05mm)                       | 0.165<br>(4.19mm)                                  | 0.16<br>(4.06mm)                   | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div><div>•O</div></div><div>Integral Resistor, 5V<br/>Low Current<br/>Bi-Color<br/>Reverse Polarity</div></div>                            |
|  | 551-xx11F           | 0.2<br>(5.08mm)                        | 0.156<br>(3.96mm)                                  | 0.247<br>(6.27mm)                  | -                   | <div><div><div>•G</div><div>•Y</div><div>•R</div><div>•B</div></div><div>Low Current<br/>(DIN 41494 compatible)</div></div>                                                                          |
| 3mm 3-Leaded Bi-Color LED CBI                                                       |                     |                                        |                                                    |                                    |                     |                                                                                                                                                                                                      |
|  | 551-3508F           | 0.15<br>(3.81mm)                       | 0.2<br>(5.08mm)                                    | 0.18<br>(4.57mm)                   | -                   | <div><div><div>•R/•G</div></div><div>-</div></div>                                                                                                                                                   |
|                                                                                     | 551-3508-801F       | 0.15<br>(3.81mm)                       | 0.2<br>(5.08mm)                                    | 0.18<br>(4.57mm)                   | -                   | <div><div><div>•R/•G</div></div><div>-</div></div>                                                                                                                                                   |

# CBI® LED Circuit Board Indicator Selector Guide

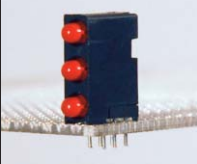
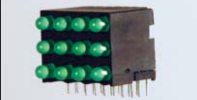
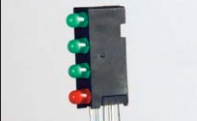
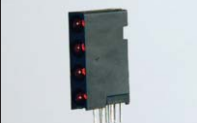
| 3MM                                                                                | LED from PCB (a) | Housing mounts on x Pitch (b) | Front of housing to center of lead (c) | Distance between LEDs (d) | Available Colors  | Additional Options                                                                                                                                                 |
|------------------------------------------------------------------------------------|------------------|-------------------------------|----------------------------------------|---------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3mm Tri-Block LED CBI                                                              |                  |                               |                                        |                           |                   |                                                                                                                                                                    |
|    | 551-xx06-003F    | 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<br><br>Low Current<br>Bi-Color                                                                                                                      |
|    | 551-xx07-003F    | 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<br><br>Low Current                                                                                                                                  |
| 3mm Quad LED CBI                                                                   |                  |                               |                                        |                           |                   |                                                                                                                                                                    |
|    | 551-xx07-004F    | 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<br><br>Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity                                                                   |
| 3mm Bi-Level LED CBI                                                               |                  |                               |                                        |                           |                   |                                                                                                                                                                    |
|  | 553-xxxxF        | 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<br><br>Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>Blank Position                           |
|  | 553-xxxx-200F    | 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<br><br>Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>(DIN 41494 compatible)<br>Blank Position |
|  | 553-xxxx-300F    | 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<br><br>Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>Blank                                    |
|  | 553-xxxx-400F    | 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<br><br>Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Reverse Polarity<br>Non-Diffused<br>(DIN 41494 compatible)                   |



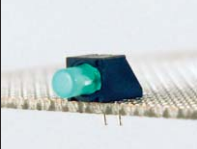
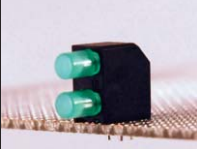
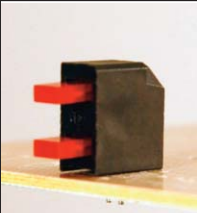
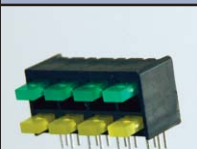
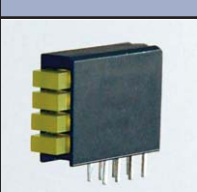
# CBI® LED Circuit Board Indicator Selector Guide

| 3MM                                      | LED from PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors                                                   | Additional<br>Options                                                                                                                                                               |
|------------------------------------------|---------------------|----------------------------------------|----------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3mm Ganged Array LED CBI                 |                     |                                        |                                                    |                                    |                                                                       |                                                                                                                                                                                     |
|                                          | 553-xxxx-0xxF       | 0.1<br>(2.54mm)                        | 0.2<br>(5.08mm)                                    | 0.175<br>(4.45mm)                  | Vertical<br>0.2<br>(5.08mm)<br>-----<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                                                                             |
|                                          | 553-xxxx-1xxF       | 0.1<br>(2.54mm)                        | 0.2<br>(5.08mm)                                    | 0.27<br>(6.86mm)                   | Vertical<br>0.2<br>(5.08mm)<br>-----<br>Horizontal<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                                                               |
|                                          | 553-xxxx-2xxF       | 0.1<br>(2.54mm)                        | 0.2<br>(5.08mm)                                    | 0.27<br>(6.86mm)                   | Vertical<br>0.2<br>(5.08mm)<br>-----<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                                                                             |
| 3mm High Density Narrow Bi-level LED CBI |                     |                                        |                                                    |                                    |                                                                       |                                                                                                                                                                                     |
|                                          | 569-011x-x00F       | 0.09<br>(2.29mm)                       | 0.132<br>(3.35mm)                                  | 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> -                                                                                    |
|                                          | 569-010x-xxxF       | 0.09<br>(2.29mm)                       | 0.264<br>(6.71mm)                                  | 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               |                     |                                        |                                                    |                                    |                                                                       |                                                                                                                                                                                     |
|                                          | 553-xxxx-306F       | 0.1<br>(2.54mm)                        | 1.2<br>(30.48mm)                                   | 0.2<br>(5.08mm)                    | Vertical<br>0.2<br>(5.08mm)<br>-----<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 Back Lighting       |                     |                                        |                                                    |                                    |                                                                       |                                                                                                                                                                                     |
|                                          | 553-22xx-100F       | 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                                                             |

# CBI® LED Circuit Board Indicator Selector Guide

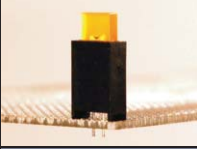
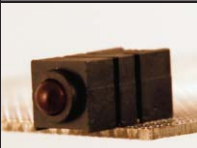
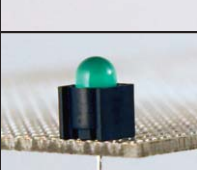
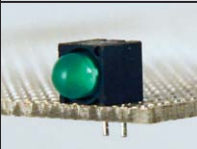
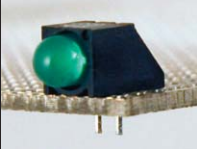
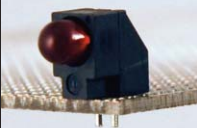
| 3MM                                                                                | LED from<br>PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors                                                     | Additional<br>Options                                                                                                         |                                                                                           |
|------------------------------------------------------------------------------------|------------------------|----------------------------------------|----------------------------------------------------|------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 3mm Tri-Level LED CBI                                                              |                        |                                        |                                                    |                                    |                                                                         |                                                                                                                               |                                                                                           |
|    | 564-0x00-xxxF          | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.175<br>(4.45mm)                  | 0.2<br>(5.08mm)                                                         | <div><div>•R•R•R</div><div>•R•Y•G</div><div>•G•G•G</div><div>•O•O•O</div><div>•B•B•B</div></div>                              | Integral Resistor, 5V<br>Low Current<br>Bi-Color<br>Blank Position                        |
|    | 564-2210-xxxF          | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.27<br>(6.86mm)                   | 0.2<br>(5.08mm)                                                         | <div><div>•R</div><div>•G</div><div>•Y</div></div>                                                                            | Backlight                                                                                 |
|    | 564-0140-xxx4F         | 0.1<br>(2.54mm)                        | 0.775<br>(19.685mm)                                | 0.27<br>(6.86mm)                   | Vertical<br>0.2<br>(5.08mm)<br>-----<br>Horizontal<br>0.2<br>(5.08mm)   | <div><div>•R</div><div>•G</div><div>•Y</div></div>                                                                            | -                                                                                         |
| 3mm Quad-Level LED CBI                                                             |                        |                                        |                                                    |                                    |                                                                         |                                                                                                                               |                                                                                           |
|   | 568-0x0x-xxxF          | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.11<br>(2.79mm)                   | 0.2<br>(5.08mm)                                                         | <div><div>•R•R•R•R</div><div>•G•G•G•G</div><div>•G•Y•G•Y</div><div>•Y•G•Y•G</div><div>•O•O•O•O</div><div>•B•B•B•B</div></div> | Integral Resistor, 5V<br>Low Current<br>Backlight                                         |
|  | 568-221x-xxxF          | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.245<br>(6.22mm)                  | 0.2<br>(5.08mm)                                                         | <div><div>•R•R•R•R</div><div>•G•G•G•G</div><div>•G•Y•G•Y</div><div>•Y•G•Y•G</div><div>•B</div></div>                          | Backlight                                                                                 |
|  | 568-223x-xxxF          | 0.1<br>(2.54mm)                        | 0.175<br>(4.45mm)                                  | 0.245<br>(6.22mm)                  | Vertical<br>0.15<br>(3.81mm)<br>-----<br>Horizontal<br>0.2<br>(3.81mm)  | <div><div>•R•R•R•R</div><div>•G•G•G•G</div><div>•Y•Y•Y•Y</div></div>                                                          | Backlight<br>Blank Position                                                               |
|  | 568-223x-xxx2F         | 0.1<br>(2.54mm)                        | 0.40<br>(10.16mm)                                  | 0.245<br>(6.22mm)                  | Vertical<br>0.15<br>(3.81mm)<br>-----<br>Horizontal<br>0.2<br>(3.81mm)  | <div><div>•R•R•R•R</div><div>•G•G•G•G</div><div>•Y•Y•Y•Y</div></div>                                                          | Backlight                                                                                 |
|  | 568-223x-xxx4F         | 0.1<br>(2.54mm)                        | 0.80<br>(20.32mm)                                  | 0.245<br>(6.22mm)                  | Vertical<br>0.15<br>(3.81mm)<br>-----<br>Horizontal<br>0.2<br>(3.81mm)  | <div><div>•R•R•R•R</div><div>•G•G•G•G</div><div>•Y•Y•Y•Y</div></div>                                                          | Backlight                                                                                 |
|  | 568-xx4x-xxx3F         | 0.139<br>(3.53mm)                      | 0.524<br>(13.31mm)                                 | 0.245<br>(6.22mm)                  | Vertical<br>0.2<br>(5.08mm)<br>-----<br>Horizontal<br>0.177<br>(5.08mm) | <div><div>•R•R•R</div><div>•R•Y•G</div><div>•G•G•G</div></div>                                                                | Integral Resistor, 5V<br>Low Current, 2mA<br>Bi-Color<br>Tinted/Non-Diffused<br>Backlight |
|  | 568-xx4x-xxx4F         | 0.139<br>(3.53mm)                      | 0.701<br>(17.81mm)                                 | 0.245<br>(6.22mm)                  | Vertical<br>0.2<br>(5.08mm)<br>-----<br>Horizontal<br>0.177<br>(5.08mm) | <div><div>•R•R•R</div><div>•G•G•G•G</div><div>•Y•Y•Y•Y</div></div>                                                            | Integral Resistor, 5V<br>Low Current, 2mA<br>Bi-Color<br>Tinted/Non-Diffused<br>Backlight |

# CBI® LED Circuit Board Indicator Selector Guide

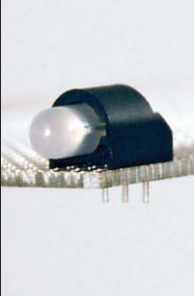
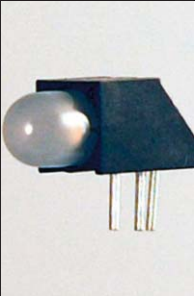
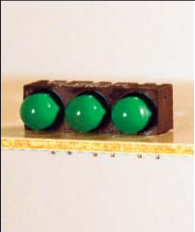
| <i>4MM<br/>&amp; Rectangular</i>                                                   | LED from<br>PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors                                                       | Additional<br>Options      |
|------------------------------------------------------------------------------------|------------------------|----------------------------------------|----------------------------------------------------|------------------------------------|---------------------------------------------------------------------------|----------------------------|
| 4mm LED CBI                                                                        |                        |                                        |                                                    |                                    |                                                                           |                            |
|    | 550-6x07F              | 0.118<br>(3.00mm)                      | 0.25<br>(6.35mm)                                   | 0.205<br>(5.21mm)                  | -                                                                         | -                          |
| 4mm Bi-Level LED CBI                                                               |                        |                                        |                                                    |                                    |                                                                           |                            |
|    | 552-60xx-200F          | 0.118<br>(3.00mm)                      | 0.25<br>(6.35mm)                                   | 0.210<br>(5.334mm)                 | .232<br>(5.89mm)                                                          | Blank Position             |
| 2mm x 4mm Rectangular Bi-Level LED CBI                                             |                        |                                        |                                                    |                                    |                                                                           |                            |
|   | 567-0xxxF              | 0.125<br>(3.175mm)                     | 0.250<br>(6.35mm)                                  | 0.220<br>(5.59mm)                  | 0.250<br>(6.35mm)                                                         | Bi-Color<br>Blank Position |
| 2mm x 4mm Quad Rectangular Bi-Level LED CBI                                        |                        |                                        |                                                    |                                    |                                                                           |                            |
|  | 567-0xxx-004F          | 0.125<br>(3.175mm)                     | 1.000<br>(25.4mm)                                  | 0.220<br>(5.59mm)                  | Vertical<br>0.250<br>(6.35mm)<br>-----<br>Horizontal<br>0.250<br>(6.35mm) | Bi-Color<br>Blank Position |
| 2mm x 4mm Rectangular Quad-Level LED CBI                                           |                        |                                        |                                                    |                                    |                                                                           |                            |
|  | 568-0x2x-xxxF          | .100<br>(2.54mm)                       | 0.200<br>(5.08mm)                                  | 0.291<br>(7.39mm)                  | .100<br>(2.54mm)                                                          | Bi-Color<br>Blank Position |
| 2mm x 5mm Rectangular LED CBI                                                      |                        |                                        |                                                    |                                    |                                                                           |                            |
|  | 566-xx06F              | 0.15<br>(3.81mm)                       | 0.156<br>(3.96mm)                                  | 0.3<br>(7.62mm)                    | -                                                                         | -                          |
|  | 566-xx07F              | 0.2<br>(5.08mm)                        | 0.4<br>(1.02mm)                                    | .380<br>(9.65mm)                   | -                                                                         | Bi-Color                   |



# CBI® LED Circuit Board Indicator Selector Guide

| <i>Rectangular<br/>&amp; 5MM</i>                                                   | LED from<br>PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors | Additional<br>Options                  |
|------------------------------------------------------------------------------------|------------------------|----------------------------------------|----------------------------------------------------|------------------------------------|---------------------|----------------------------------------|
| 2.5mm x 7mm Rectangular LED CBI                                                    |                        |                                        |                                                    |                                    |                     |                                        |
|    | 561-4x01-055F          | .550<br>(13.97mm)                      | .200<br>(5.08mm)                                   | -                                  | -                   | • R<br>• G<br>• Y                      |
|    | 561-4x01-081F          | .810<br>(20.57mm)                      | .200<br>(5.08mm)                                   | -                                  | -                   | • R<br>• G<br>• Y                      |
| 5mm LED CBI                                                                        |                        |                                        |                                                    |                                    |                     |                                        |
|    | 550-xx10F              | 0.12<br>(3.05mm)                       | 0.25<br>(6.35mm)                                   | 0.345                              | -                   | • G<br>• Y<br>• R<br>• B               |
|   | 550-xx12F              | 0.198<br>(5.03mm)                      | 0.400<br>(10.16mm)                                 | 0.670<br>(17mm)                    | -                   | • G<br>• Y<br>• R<br>• O               |
|  | 561-xx0x-xxxF          | -                                      | 0.285<br>(7.24mm)                                  | -                                  | -                   | • G<br>• Y<br>• R<br>• O<br>• B<br>• W |
|  | 550-xx04F              | 0.230<br>(5.84mm)                      | 0.250<br>(6.35mm)                                  | -                                  | -                   | • G<br>• Y<br>• R<br>• O<br>• B        |
|  | 550-xx05F              | 0.118<br>(3.00mm)                      | 0.250<br>(6.35mm)                                  | 0.205<br>(5.21mm)                  | -                   | • G<br>• Y<br>• R<br>• O<br>• B        |
|  | 550-xx07F              | 0.118<br>(3.00mm)                      | 0.250<br>(6.35mm)                                  | 0.205<br>(5.21mm)                  | -                   | • G<br>• Y<br>• R<br>• O<br>• B        |
|  | 550-xx08F              | 0.250<br>(6.35mm)                      | 0.250<br>(6.35mm)                                  | 0.205<br>(5.21mm)                  | -                   | • G<br>• Y<br>• R<br>• O<br>• B        |

# CBI® LED Circuit Board Indicator Selector Guide

| 5MM                                                                                | LED from PCB<br>(a) | Housing<br>mounts on<br>x Pitch<br>(b) | Front of<br>housing to<br>center of<br>lead<br>(c) | Distance<br>between<br>LEDs<br>(d) | Available<br>Colors | Additional<br>Options                                                                                                 |
|------------------------------------------------------------------------------------|---------------------|----------------------------------------|----------------------------------------------------|------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5mm 3-Leaded Bi-Color LED CBI                                                      |                     |                                        |                                                    |                                    |                     |                                                                                                                       |
|    | 550-3x05F           | 0.141<br>(3.58mm)                      | 0.300<br>(7.62mm)                                  | 0.19<br>(4.83mm)                   | -                   | <div> <div>•R/•G</div> <div>•Y/•G</div> </div> Bi-Color                                                               |
|   | 550-3x09F           | 0.15<br>(3.81mm)                       | 0.3<br>(7.62mm)                                    | 0.285<br>(7.24mm)                  | -                   | <div> <div>•R/•G</div> <div>•Y/•G</div> </div> Bi-Color                                                               |
| 5mm 3-Leaded Bi-Color LED CBI, Offset Cathode                                      |                     |                                        |                                                    |                                    |                     |                                                                                                                       |
|  | 550-3x07F           | 0.118<br>(3.00mm)                      | 0.25<br>(6.35mm)                                   | 0.205<br>(5.21mm)                  | -                   | <div> <div>•R/•G</div> <div>•Y/•G</div> </div> Bi-Color                                                               |
| 5mm Dual LED CBI                                                                   |                     |                                        |                                                    |                                    |                     |                                                                                                                       |
|  | 550-xx07-002F       | 0.118<br>(3.00mm)                      | 0.50<br>(12.7mm)                                   | .205<br>(5.21mm)                   | 0.25<br>(6.35mm)    | <div> <div>•G</div> <div>•Y</div> <div>•R</div> <div>•O</div> </div> Integral Resistor, 5V<br>Low Current<br>Bi-Color |
| 5mm Tri-Block LED CBI                                                              |                     |                                        |                                                    |                                    |                     |                                                                                                                       |
|  | 550-xx05-003F       | 0.118<br>(3.00mm)                      | .75<br>(19.05mm)                                   | .205<br>(5.21mm)                   | 0.25<br>(6.35mm)    | <div> <div>•G</div> <div>•Y</div> <div>•R</div> <div>•O</div> </div> -                                                |

# CBI® LED Circuit Board Indicator Selector Guide

| 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                                                                    |                  |                               |                                        |                           |                  |                                                                                                                                                                                                                                                                                                             |
|    | 550-xx04-004F    | 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                                                                                                                                                                   |
|     | 550-xx05-004F    | 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                                                                                                                                                                   |
|     | 550-xx07-004F    | 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                                                                |                  |                               |                                        |                           |                  |                                                                                                                                                                                                                                                                                                             |
|   | 552-0xxF         | 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                                                                                                                                                               |
|  | 552-35xxF        | 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                                                           |
|  | 552-22xx-100F    | 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 |



## LED Circuit Board Indicator Selector Guide

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## LED Circuit Board Indicator Selector Guide

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## Full C Drawing INDEX

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