



Dialight

*CBI® Through Hole
Circuit Board Indicator
Selector Guide*





Clear Innovation

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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 | | | | | | |
|  | 555-2xxxF | 0.125 (3.18mm) | 0.100 (2.54mm) | 0.040 (1.02mm) | - | • R • G • Y Integral Resistor 5V, 24V |
|  | 555-3xxxF | 0.250 (6.35mm) | 0.100 (2.54mm) | - | - | • R • G • Y Integral Resistor 5V, 24V |
| 2mm Quad LED CBI | | | | | | |
|  | 555-4xxxF | 0.125 (3.18mm) | 0.405 (10.29mm) | 0.040 (1.02mm) | 0.100 (2.54mm) | • R • G • Y Integral Resistor 5V, 24V |
|  | 555-5xxxF | 0.250 (6.35mm) | 0.405 (10.29mm) | - | 0.100 (2.54mm) | • R • G • Y Integral Resistor 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 • R • G • G • G • Y • G • Y • Y - |
| 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 • R • G • G • G • Y • G • Y • Y - |
| 2mm Tri-Level LED CBI | | | | | | |
|  | 570-0100-xxxF | .070 1.78mm | .200 5.08mm | .269 6.84mm | .130 3.30mm | • R • R • R • R • Y • G • G • G • G • Y • Y • Y (DIN 41494 compatible) |

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 | |
|---|------------------|-------------------------------|--|---------------------------|------------------|---|---|
| 3 mm LED CBI | | | | | | | |
|  | 551-xx01F | 0.197 (5mm) | 0.197 (5mm) | 0.269 (6.84mm) | - | <ul style="list-style-type: none"> •G •Y •R •B •O Integral Resistor, 5V Low Current Bi-Color Reverse Polarity (DIN 41494 compatible) | |
|  | 551-xx02F | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.27 (6.86mm) | - | <ul style="list-style-type: none"> •G •Y •R Integral Resistor, 5V Low Current Bi-Color Reverse Polarity | |
|  | 551-xx03F | 0.25 (6.35mm) | 0.185 (4.70mm) | 0.14 (3.6mm) | - | <ul style="list-style-type: none"> •G •Y •R •B Integral Resistor, 5V Low Current Bi-Color Reverse Polarity | |
|  | 551-xx04F | 0.45 (11.4mm) | 0.185 (4.70mm) | 0.14 (3.6mm) | - | <ul style="list-style-type: none"> •G •Y •R •B Integral Resistor, 5V Low Current Bi-Color Reverse Polarity | |
|  | 551-xx07F | 0.2 (5.08mm) | 0.175 (4.45mm) | 0.175 (4.45mm) | - | <ul style="list-style-type: none"> •G •Y •R •B •O Integral Resistor, 5V Low Current Bi-Color Reverse Polarity | |
|  | 551-xx09F | 0.12 (3.05mm) | 0.165 (4.19mm) | 0.16 (4.06mm) | - | <ul style="list-style-type: none"> •G •Y •R •B •O Integral Resistor, 5V Low Current Bi-Color Reverse Polarity | |
|  | 551-xx11F | 0.2 (5.08mm) | 0.156 (3.96mm) | 0.247 (6.27mm) | - | <ul style="list-style-type: none"> •G •Y •R •B Low Current (DIN 41494 compatible) | |
| 3mm 3-Leaded Bi-Color LED CBI | | | | | | | |
|  | 551-3508F | 0.15 (3.81mm) | 0.2 (5.08mm) | 0.18 (4.57mm) | - | •R/•G | - |
| | 551-3508-801F | 0.15 (3.81mm) | 0.2 (5.08mm) | 0.18 (4.57mm) | - | •R/•G | - |

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 (2.54mm) | 0.54 (13.72mm) | 0.2 (5.08mm) | 0.18 (4.57mm) | •G •Y •R | Low Current Bi-Color |
|  | 551-xx07-003F | 0.2 (5.08mm) | 0.54 (13.72mm) | 0.2 (5.08mm) | 0.18 (4.57mm) | •G •Y •R | Low Current |
| 3mm Quad LED CBI | | | | | | | |
|  | 551-xx07-004F | 0.2 (5.08mm) | 0.68 (17.27mm) | 0.175 (4.45mm) | 0.170 (4.32mm) | •G •Y •R •O | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity |
| 3mm Bi-Level LED CBI | | | | | | | |
|  | 553-xxxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.175 (4.45mm) | 0.2 (5.08mm) | •G •Y •R •B •O | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused Blank Position |
|  | 553-xxxx-200F | 0.100 (2.54mm) | 0.175 (4.45mm) | 0.269 (6.84mm) | 0.2 (5.08mm) | •R •G •Y •O •B | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused (DIN 41494 compatible) Blank Position |
|  | 553-xxxx-300F | 0.1 (2.54mm) | 0.2 (5.08mm) | 0.2 (5.08mm) | 0.2 (5.08mm) | •R •G •Y •O •B | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused Blank |
|  | 553-xxxx-400F | 0.1 (2.54mm) | 0.2 (5.08mm) | 0.269 (6.84mm) | 0.2 (5.08mm) | •R •G •Y •O •B | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused (DIN 41494 compatible) |

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 Ganged Array LED CBI | | | | | | | |
| | 553-xxxx-0xxF | 0.1 (2.54mm) | 0.2 (5.08mm) | 0.175 (4.45mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.2 (5.08mm) | <ul style="list-style-type: none"> •G •Y •R •B •O | Bi-Color |
| | 553-xxxx-1xxF | 0.1 (2.54mm) | 0.2 (5.08mm) | 0.27 (6.86mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.2 (5.08mm) | <ul style="list-style-type: none"> •R-•R •G-•G •G-•Y •Y-G •Y-•Y | Bi-Color |
| | 553-xxxx-2xxF | 0.1 (2.54mm) | 0.2 (5.08mm) | 0.27 (6.86mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.2 (5.08mm) | <ul style="list-style-type: none"> •G •Y •R •B •O | Bi-Color |
| 3mm High Density Narrow Bi-level LED CBI | | | | | | | |
| | 569-011x-x00F | 0.09 (2.29mm) | 0.132 (3.35mm) | 0.24 (6.10mm) | 0.18 (4.57mm) | <ul style="list-style-type: none"> •R •G •Y •O •B | - |
| | 569-010x-xxxF | 0.09 (2.29mm) | 0.264 (6.71mm) | 0.24 (6.10mm) | 0.18 (4.57mm) | <ul style="list-style-type: none"> •R •G •Y •O •B | - |
| 3mm Bi-Level Array LED CBI | | | | | | | |
| | 553-xxxx-306F | 0.1 (2.54mm) | 1.2 (30.48mm) | 0.2 (5.08mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.2 (5.08mm) | <ul style="list-style-type: none"> •R •G •Y •O •B | Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused |
| 3mm Bi-Level LED CBI Back Lighting | | | | | | | |
| | 553-22xx-100F | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.27 (6.86mm) | 0.2 (5.08mm) | <ul style="list-style-type: none"> •R-•R •G-•G •G-•Y •Y-G •Y-•Y | Backlight |

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-Level LED CBI | | | | | | | |
|  | 564-0x00-xxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.175 (4.45mm) | 0.2 (5.08mm) | <ul style="list-style-type: none"> •R-•R-•R •R-•Y-•G •G-•G-•G •O-•O-•O •B-•B-•B | Integral Resistor, 5V Low Current Bi-Color Blank Position |
|  | 564-2210-xxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.27 (6.86mm) | 0.2 (5.08mm) | <ul style="list-style-type: none"> •R •G •Y | Backlight |
|  | 564-0140-xxx4F | 0.1 (2.54mm) | 0.775 (19.685mm) | 0.27 (6.86mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.2 (5.08mm) | <ul style="list-style-type: none"> •R •G •Y | - |
| 3mm Quad-Level LED CBI | | | | | | | |
|  | 568-0x0x-xxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.11 (2.79mm) | 0.2 (5.08mm) | <ul style="list-style-type: none"> •R-•R-•R-•R •G-•G-•G-•G •G-•Y-•G-•Y •Y-•G-•Y-•G •O-•O-•O-•O •B-•B-•B-•B | Integral Resistor, 5V Low Current Backlight |
|  | 568-221x-xxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.245 (6.22mm) | 0.2 (5.08mm) | <ul style="list-style-type: none"> •R-•R-•R-•R •G-•G-•G-•G •G-•Y-•G-•Y •Y-•G-•Y-•G •B | Backlight |
|  | 568-223x-xxxF | 0.1 (2.54mm) | 0.175 (4.45mm) | 0.245 (6.22mm) | Vertical 0.15 (3.81mm) ----- Horizontal 0.2 (3.81mm) | <ul style="list-style-type: none"> •R-•R-•R-•R •G-•G-•G-•G •Y-•Y-•Y-•Y | Backlight Blank Position |
|  | 568-223x-xxx2F | 0.1 (2.54mm) | 0.40 (10.16mm) | 0.245 (6.22mm) | Vertical 0.15 (3.81mm) ----- Horizontal 0.2 (3.81mm) | <ul style="list-style-type: none"> •R-•R-•R-•R •G-•G-•G-•G •Y-•Y-•Y-•Y | Backlight |
|  | 568-223x-xxx4F | 0.1 (2.54mm) | 0.80 (20.32mm) | 0.245 (6.22mm) | Vertical 0.15 (3.81mm) ----- Horizontal 0.2 (3.81mm) | <ul style="list-style-type: none"> •R-•R-•R-•R •G-•G-•G-•G •Y-•Y-•Y-•Y | Backlight |
|  | 568-xx4x-xxx3F | 0.139 (3.53mm) | 0.524 (13.31mm) | 0.245 (6.22mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.177 (5.08mm) | <ul style="list-style-type: none"> •R-•R-•R •R-•Y-•G •G-•G-•G | Integral Resistor, 5V Low Current, 2mA Bi-Color Tinted/Non-Diffused Backlight |
|  | 568-xx4x-xxx4F | 0.139 (3.53mm) | 0.701 (17.81mm) | 0.245 (6.22mm) | Vertical 0.2 (5.08mm) ----- Horizontal 0.177 (5.08mm) | <ul style="list-style-type: none"> •R-•R-•R •G-•G-•G-•G •Y-•Y-•Y-•Y | Integral Resistor, 5V Low Current, 2mA Bi-Color Tinted/Non-Diffused Backlight |

CBI® LED Circuit Board Indicator Selector Guide

| 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 | | | | | | | |
|  | 550-6x07F | 0.118 (3.00mm) | 0.25 (6.35mm) | 0.205 (5.21mm) | - | <ul style="list-style-type: none"> • R • G • Y | - |
| 4mm Bi-Level LED CBI | | | | | | | |
|  | 552-60xx-200F | 0.118 (3.00mm) | 0.25 (6.35mm) | 0.210 (5.334mm) | .232 (5.89mm) | <ul style="list-style-type: none"> • R-• R • G-• G • G-• Y • Y-• G • Y-• Y | Blank Position |
| 2mm x 4mm Rectangular Bi-Level LED CBI | | | | | | | |
|  | 567-0xxxF | 0.125 (3.175mm) | 0.250 (6.35mm) | 0.220 (5.59mm) | 0.250 (6.35mm) | <ul style="list-style-type: none"> • R-• R • G-• G • G-• Y • Y-• G • Y-• Y (• R/• G, • R/• G) | Bi-Color Blank Position |
| 2mm x 4mm Quad Rectangular Bi-Level LED CBI | | | | | | | |
|  | 567-0xxx-004F | 0.125 (3.175mm) | 1.000 (25.4mm) | 0.220 (5.59mm) | Vertical 0.250 (6.35mm) ----- Horizontal 0.250 (6.35mm) | <ul style="list-style-type: none"> • R-• R • G-• G • G-• Y • Y-• G • Y-• Y | Bi-Color Blank Position |
| 2mm x 4mm Rectangular Quad-Level LED CBI | | | | | | | |
|  | 568-0x2x-xxxF | .100 (2.54mm) | 0.200 (5.08mm) | 0.291 (7.39mm) | .100 (2.54mm) | <ul style="list-style-type: none"> • R-• R-• R-• R • G-• G-• G-• G • G-• Y-• G-• Y • Y-• G-• Y-• G • Y-• Y-• Y-• Y | Bi-Color Blank Position |
| 2mm x 5mm Rectangular LED CBI | | | | | | | |
|  | 566-xx06F | 0.15 (3.81mm) | 0.156 (3.96mm) | 0.3 (7.62mm) | | <ul style="list-style-type: none"> • R • G • Y • O | - |
|  | 566-xx07F | 0.2 (5.08mm) | 0.4 (1.02mm) | .380 (9.65mm) | | <ul style="list-style-type: none"> • R • G • Y | Bi-Color |

CBI® LED Circuit Board Indicator Selector Guide

| <i>Rectangular & 5MM</i> | 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 | | | | | | |
|  | 561-4x01-055F | .550 (13.97mm) | .200 (5.08mm) | - | - | •R •G •Y |
|  | 561-4x01-081F | .810 (20.57mm) | .200 (5.08mm) | - | - | •R •G •Y |
| 5mm LED CBI | | | | | | |
|  | 550-xx10F | 0.12 (3.05mm) | 0.25 (6.35mm) | 0.345 | - | •G •Y •R •B |
|  | 550-xx12F | 0.198 (5.03mm) | 0.400 (10.16mm) | 0.670 (17mm) | - | •G •Y •R •O |
|  | 561-xx0x-xxxF | - | 0.285 (7.24mm) | - | - | •G •Y •R •O •B ◦W |
|  | 550-xx04F | 0.230 (5.84mm) | 0.250 (6.35mm) | - | - | •G •Y •R •O •B |
|  | 550-xx05F | 0.118 (3.00mm) | 0.250 (6.35mm) | 0.205 (5.21mm) | - | •G •Y •R •O •B |
|  | 550-xx07F | 0.118 (3.00mm) | 0.250 (6.35mm) | 0.205 (5.21mm) | - | •G •Y •R •O •B |
|  | 550-xx08F | 0.250 (6.35mm) | 0.250 (6.35mm) | 0.205 (5.21mm) | - | •G •Y •R •O •B |

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 3-Leaded Bi-Color LED CBI | | | | | | | |
|  | 550-3x05F | 0.141 (3.58mm) | 0.300 (7.62mm) | 0.19 (4.83mm) | - | <ul style="list-style-type: none"> •R/•G •Y/•G | Bi-Color |
|  | 550-3x09F | 0.15 (3.81mm) | 0.3 (7.62mm) | 0.285 (7.24mm) | - | <ul style="list-style-type: none"> •R/•G •Y/•G | Bi-Color |
| 5mm 3-Leaded Bi-Color LED CBI, Offset Cathode | | | | | | | |
|  | 550-3x07F | 0.118 (3.00mm) | 0.25 (6.35mm) | 0.205 (5.21mm) | - | <ul style="list-style-type: none"> •R/•G •Y/•G | Bi-Color |
| 5mm Dual LED CBI | | | | | | | |
|  | 550-xx07-002F | 0.118 (3.00mm) | 0.50 (12.7mm) | .205 (5.21mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •G •Y •R •O | Integral Resistor, 5V Low Current Bi-Color |
| 5mm Tri-Block LED CBI | | | | | | | |
|  | 550-xx05-003F | 0.118 (3.00mm) | .75 (19.05mm) | .205 (5.21mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •G •Y •R •O | - |

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 (5.84mm) | 1.00 (25.4mm) | - | 0.25 (6.35mm) | <ul style="list-style-type: none"> •G •Y •R •O | Integral Resistor, 5V Low Current Bi-Color |
|  | 550-xx05-004F | 0.118 (3.00mm) | 1.00 (25.4mm) | .205 (5.21mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •G •Y •R •O | Integral Resistor, 5V Low Current Bi-Color |
|  | 550-xx07-004F | 0.118 (3.00mm) | 1.00 (25.4mm) | .205 (5.21mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •G •Y •R •O | Integral Resistor, 5V Low Current High Efficiency Tinted/Non-Diffused Super Bright/Diffused Super Bright/Water Clear Non-Tinted/Non-Diffused Bi-Color |
| 5mm Bi-Level LED CBI | | | | | | | |
|  | 552-0xxF | 0.125 (3.18mm) | 0.25 (6.35mm) | 0.22 (5.59mm) | 0.25 (6.36mm) | <ul style="list-style-type: none"> •G •Y •R •O | Integral Resistor, 5, 12V Low Current Bi-Color |
|  | 552-35xxF | 0.125 (3.18mm) | 0.3 (7.62mm) | 0.32 (8.13mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •R/•G •Y/•G | Integral Resistor, 5V Low Current High Efficiency Tinted/Non-Diffused Super Bright/Diffused Super Bright/Water Clear Non-Tinted/Non-Diffused Bi-Color |
|  | 552-22xx-100F | 0.125 (3.18mm) | 0.25 (6.35mm) | 0.345 (8.76mm) | 0.25 (6.35mm) | <ul style="list-style-type: none"> •R-•R •G-•G •G-•Y •Y-•G •Y-•Y | Integral Resistor, 5V Low Current High Efficiency Tinted/Non-Diffused Super Bright/Diffused Super Bright/Water Clear Non-Tinted/Non-Diffused Bi-Color Backlight |

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