



Dialight

CBI® Through Hole Circuit Board Indicator Selector Guide





Clear Innovation

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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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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)

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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	-


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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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •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)	<ul style="list-style-type: none"> •R •G •Y •O •B 	Integral Resistor, 5V Low Current Bi-Color Reverse Polarity Non-Diffused (DIN 41494 compatible)

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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

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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

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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)	-	•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)	•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)	•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)	•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)	•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)		•R •G •Y •O	-
	566-xx07F	0.2 (5.08mm)	0.4 (1.02mm)	.380 (9.65mm)		•R •G •Y	Bi-Color

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<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	Backlight
	550-xx12F	0.198 (5.03mm)	0.400 (10.16mm)	0.670 (17mm)	-	•G •Y •R •O	(DIN 41494 compatible) Reverse Polarity
	561-xx0x-xxxF	-	0.285 (7.24mm)	-	-	•G •Y •R •O •B ◦W	Integral Resistor, 5V Low Current Bi-Color Super Bright/Water Clear Super Bright/Diffused Non-Tinted/Non-Diffused
	550-xx04F	0.230 (5.84mm)	0.250 (6.35mm)	-	-	•G •Y •R •O •B	Integral Resistor, 5V Low Current Bi-Color
	550-xx05F	0.118 (3.00mm)	0.250 (6.35mm)	0.205 (5.21mm)	-	•G •Y •R •O •B	Integral Resistor, 5V Low Current Bi-Color
	550-xx07F	0.118 (3.00mm)	0.250 (6.35mm)	0.205 (5.21mm)	-	•G •Y •R •O •B	Integral Resistor, 5V Low Current Bi-Color
	550-xx08F	0.250 (6.35mm)	0.250 (6.35mm)	0.205 (5.21mm)	-	•G •Y •R •O •B	Integral Resistor, 5V Low Current Bi-Color

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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)	-	•R/•G •Y/•G	Bi-Color
	550-3x09F	0.15 (3.81mm)	0.3 (7.62mm)	0.285 (7.24mm)	-	•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)	-	•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)	•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)	•G •Y •R •O	-

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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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