



Dialight

*CBI® 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 world-wide. For a complete listing that includes the ability to check stock status at our Distribution partners, please visit our website at www.dialight.com.

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

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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)	-	<ul style="list-style-type: none"> • R • G • Y 	Integral Resistor 5V, 24V
	555-3xxxF	0.250 (6.35mm)	0.100 (2.54mm)	-	-	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • R • G • Y 	Integral Resistor 5V, 24V
	555-5xxxF	0.250 (6.35mm)	0.405 (10.29mm)	-	0.100 (2.54mm)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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)	•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)

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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

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

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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)	-	<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 	-

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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

Dialight



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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