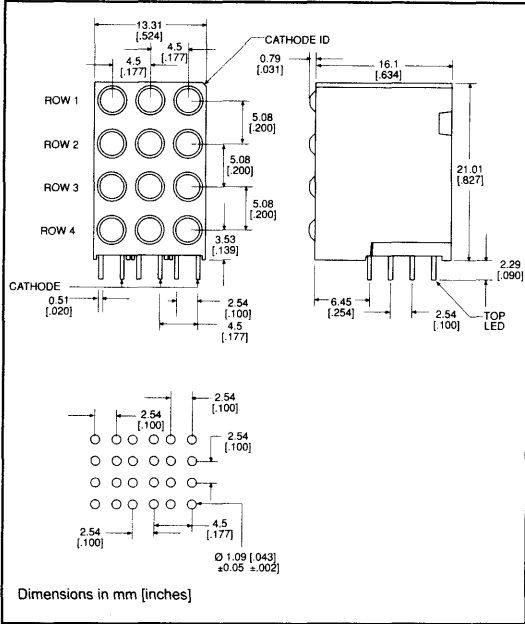




3mm

LED CBI® Circuit Board Indicator

Quad Level, Three Column For Backlighting 568-xx4x-xxx3



Features

- Extended housing and narrow viewing angle LEDs reduce light bleed
- Multiple CBIs form horizontal LED arrays on 4.45mm (0.177") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 3.44 g
- Housing stand-offs facilitate PCB cleaning
- Solderability per MIL-STD-202F, method 208F
- LEDs are safe for direct viewing per IEC 825-1, EN-60825-1
- Compatible with 568-xx4x-xxx4 Quad Level 4 column

PART NO.

COLOR*

HIGH EFFICIENCY

- 568-0141-1113 Red-Red-Red
- 568-0142-2223 Green-Green-Green
- 568-0143-3333 Yellow-Yellow-Yellow

LOW CURRENT, 2mA

- 568-0241-1113 Red-Red-Red
- 568-0242-2223 Green-Green-Green
- 568-0243-3333 Yellow-Yellow-Yellow

INTEGRAL RESISTOR, 5 VOLTS

- 568-0341-1113 Red-Red-Red
- 568-0342-2223 Green-Green-Green
- 568-0343-3333 Yellow-Yellow-Yellow

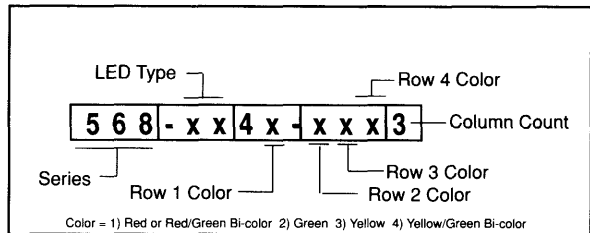
BI-COLOR

- 568-0711-1113 Red/Green-Red/Green-Red/Green
- 568-C744-4443 Yellow/Green-Yellow/Green-Yellow/Green

TINTED, NON-DIFFUSED

- 568-2241-1113 Red-Red-Red
- 568-2242-2223 Green-Green-Green
- 568-2243-3333 Yellow-Yellow-Yellow

*Row 1, Row 2, Row 3, Row 4



Description

This part number ordering code limits your choice to populating these blocks with a single LED type. LED colors within LED type can vary, but each row must be filled with the same color. To order blocks populated with more than one LED type or rows of different colors, please contact Dialight direct for assistance with this custom application.

568-xx4x-xxx3

Typical Operating Characteristics ($T_A=25^{\circ}\text{C}$)

See LED data sheet for additional information
See Pages 4-73 and 4-74 for LED Drive Circuit Examples
See Page 4-72 for Pin Out

HIGH EFFICIENCY

Part Number	Color	Peak Wavelength nm	I_v mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{\frac{1}{2}}$	LED Data sheet	Page #
568-014x-xxx3	Red	635	10*	2	20	60°	3HD-9782	4-66
	Green	565	12.6*	2.1	20	60°	3HD-9783	4-66
	Yellow	585	10*	2.1	20	60°	3HD-9784	4-66

* $I_F = 10\text{mA}$

LOW CURRENT, 2mA

Part Number	Color	Peak Wavelength nm	I_v mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{\frac{1}{2}}$	LED Data sheet	Page #
568-024x-xxx3	Red	635	1.6	1.7	2	60°	521-9324	4-60
	Green	565	1.6	1.9	2	60°	521-9326	4-60
	Yellow	585	1.6	1.8	2	60°	521-9325	4-60

INTEGRAL RESISTOR, 5 VOLTS

Part Number	Color	Peak Wavelength nm	I_v mcd	Test Voltage	Forward Current (mA)	Viewing Angle $2\theta_{\frac{1}{2}}$	LED Data sheet	Page #
568-034x-xxx3	Red	635	29*	10	20	60°	3RD-9860	4-68
	Green	565	19*	10	20	60°	3RD-9861	4-68
	Yellow	585	12.6*	10	20	60°	3RD-9862	4-68

* $I_F = 10\text{mA}$

BI-COLOR

Part Number	Color	Peak Wavelength nm	I_v mcd	Test Voltage	Forward Current (mA)	Viewing Angle $2\theta_{\frac{1}{2}}$	LED Data sheet	Page #
568-074x-xxx3	Red/Green	635/565	4.7*/10*	2/2.1	20	60°/60°	3TD-9868	4-69
	Yellow/Green	585/565	4.3*/6.3*	2.1/2.1	20	80°/80°	3TD-9869	4-69

* $I_F = 10\text{mA}$

TINTED, NON-DIFFUSED

Part Number	Color	Peak Wavelength nm	I_v mcd	Test Voltage	Forward Current (mA)	Viewing Angle $2\theta_{\frac{1}{2}}$	LED Data sheet	Page #
568-224x-xxx3	Red	635	29*	2	20	45°	521-9432	4-61
	Green	565	50*	2.1	20	45°	521-9430	4-61
	Yellow	585	20*	2.1	20	45°	521-9431	4-61

* $I_F = 10\text{mA}$

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