

## PCB STANDOFFS FOR BI/TRI-LEAD COMPONENTS

### SPECIFICATIONS

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MATERIAL</b> | Standoff - Thermoplastic U.L. 94 V0. Color, Black                                                                                                                                       |
| <b>DESIGN</b>   | Channels provide lead separation and lateral stability for components. Molded tabs retain component leads within the standoff for preassembly. Raised pads allow for easy PCB cleaning. |
| <b>MOUNTING</b> | Suitable for passive components, bi-lead, tri-lead, 3mm, 5mm, LEDs, resistors, capacitors, diodes. Standoffs vary in height from .100" minimum to 1.0" maximum, increments of .010".    |

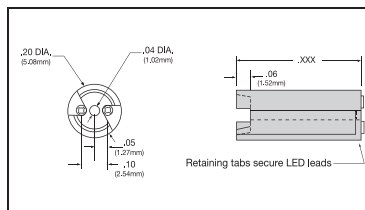
### ORDERING CODES

**STD XXX BLK**

LENGTH IN INCHES ————— COLOR  
(.100 to 1.0")

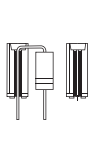
|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | 170 | 240 | 310 | 380 | 450 | 520 | 590 | 660 | 730 | 800 | 870 | 940 |
| 110 | 180 | 250 | 320 | 390 | 460 | 530 | 600 | 670 | 740 | 810 | 880 | 950 |
| 120 | 190 | 260 | 330 | 400 | 470 | 540 | 610 | 680 | 750 | 820 | 890 | 960 |
| 130 | 200 | 270 | 340 | 410 | 480 | 550 | 620 | 690 | 760 | 830 | 900 | 970 |
| 140 | 210 | 280 | 350 | 420 | 490 | 560 | 630 | 700 | 770 | 840 | 910 | 980 |
| 150 | 220 | 290 | 360 | 430 | 500 | 570 | 640 | 710 | 780 | 850 | 920 | 990 |
| 160 | 230 | 300 | 370 | 440 | 510 | 580 | 650 | 720 | 790 | 860 | 930 | 1.0 |

### OUTLINE DRAWING

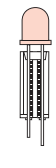


### MOUNTING CONF.

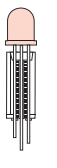
#### SINGLE LEAD



#### BI-LEAD



#### TRI-LEAD



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### APPLICATION

P-C-LITE® component standoffs are designed for printed circuit board mounting of multi-lead devices ie. LEDs, IR emitter/detectors, lamps, resistors, capacitors, transistors and diodes.

### VERSATILITY

P-C-LITE® component standoffs cope with various problems in mounting passive components. These include height control, lateral stability, lead retention, lead shorting and removal of soldering residue.

### DESIGN

P-C-LITE® component standoffs provide lead separation and retention for both bi and tri-lead components. Molded tabs retain the component and standoff as a unit permitting preassembly operations. Clearance pads are provided for proper PCB cleaning.

### INSTALLATION

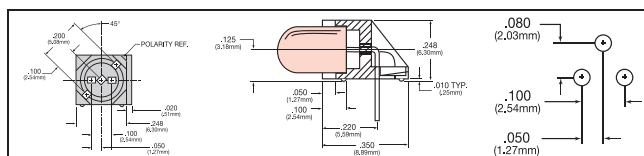
P-C-LITE® component standoffs permit the use of various shapes and sizes of LEDs, as well as other bi/tri-lead components. Device height control is simplified with mounts ranging in lengths from .100 to 1.00" in increments of .010".

## PCB MOUNT FOR BI/TRI-LEAD LEDs

### SPECIFICATIONS

|                 |                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MATERIAL</b> | Housing - Thermoplastic (black) U.L. 94 V0.                                                                                                                                                                                              |
| <b>DESIGN</b>   | PCH 175 - Right angle through-hole mount for LEDs. Can be used as a single LED mount or banded together in an array with its dove-tail interlocking feature.<br><br>When banded together with the PCH 175 the LEDs are on .250" centers. |
| <b>LEDs</b>     | 5mm size - round or rectangular shape with or without flange. Bi-lead, standard .100" lead spacing. Tri-lead, either .050" or .100" lead spacing. Both the bi-lead and tri-lead LEDs can also be combined in arrays with one another.    |

### RESISTOR SELECTOR



### PCB MOUNTING

| BI & TRI-LEAD LEDs                                         | LEDs IN ARRAYS                                                                 |
|------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                            |                                                                                |
| Form leads with the mount, snap leads into retaining tabs. | Bi-lead and tri-lead LEDs can be combined with dove-tail interlocking feature. |



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### ORDERING CODES

**PCH 175** ————— MODEL

### FEATURES

- Right angle PCB mount for bi and tri-lead LEDs for use as logic and diagnostic indicators.
- Accommodates round and rectangular shapes of LEDs with or without flanges.
- Dove-tail interlock feature allows mounting of both mono and multi-colored LEDs.
- Mount forms LED leads which are locked into position by retaining tabs.
- Formed LED leads are staggered in their length permitting easier PCB insertion.
- Molded standoffs permit the easy cleaning of PCB after wave soldering operation.