

VCC LED Lenses and Mounting Components



LIGHTPIPES WITH SURFACE MOUNT LED

Material Specifications:

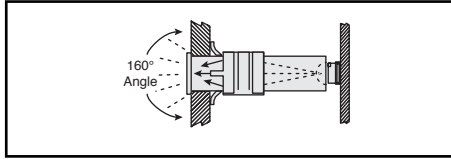
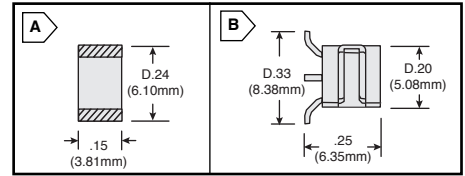
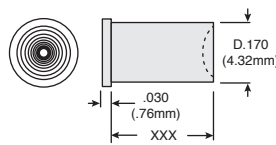
- Litepipe: Acrylic (optical grade)
- Grommet: Polyethylene (black)
- Spring Clip: Spring steel, Nickel plated

Mounting Specifications:

- Panel hole: Round .171" Dia. (4.32mm)
- Panel thickness: .062" min. (1.57mm)
- Litepipes from .200" to .500" use grommet retainer
- Litepipes from .500" to 2.00" the spring clip is recommended for rigidity

Material Specifications:

- Surface mount, vertical and horizontal 3mm LEDs, litepipes for blending multicolor LEDs are available on special request.



Lightpipes

For quantities of 1000 and up, call for quote.

.20" to 1.00" lengths				1.02" to 2.00" lengths			
Price Each				Price Each			
1	10	100	500	1	10	100	500
.38	.34	.29	.25	.43	.38	.33	.27

Additional sizes are available, contact Mouser sales department.

MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)
593-LPC020	0.2	593-LPC030	0.3
593-LPC022	0.22	593-LPC032	0.32
593-LPC024	0.24	593-LPC034	0.34
593-LPC026	0.26	593-LPC036	0.36
593-LPC028	0.28	593-LPC038	0.38

MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)
593-LPC040	0.4	593-LPC050	0.5
593-LPC042	0.42	593-LPC056	0.56
593-LPC044	0.44	593-LPC060	0.6
593-LPC046	0.46	593-LPC066	0.66
593-LPC048	0.48	593-LPC070	0.7

Mounts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-RTN150	A	Grommet	.11	.09	.09	.08
593-RTN250	B	Spring Clip	.12	.10	.07	.06

593-RTN150 for use with .200 to .500, 593-RTN250 for all other lengths.

MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)
593-LPC076	0.76	593-LPC100	1
593-LPC080	0.8	593-LPC125	1.25
593-LPC086	0.86	593-LPC150	1.5
593-LPC090	0.9	593-LPC175	1.75
593-LPC096	0.96	593-LPC200	2

LITEPIPES

Litepipes easily provide a means of transmitting the light from PCB mounted LEDs to the front display panel. Both styles of LEDs (surface mount and standard packages) can be displayed in this manner. The litepipe by itself has a limited angle of view. However, when used with VCC's fresnel lens, the light is dispersed over the entire lens surface producing 180° of viewing.

Material Specifications:

- Litepipe: acrylic (optical grade)
- Lens: polycarbonate; ring: polypropylene (UL Listed Material)

Mounting Specifications:

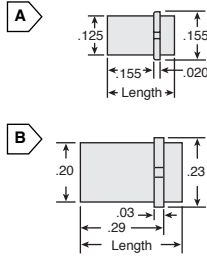
- 3mm: mates with lens SMB 200. Panel mounting hole .171 (4.3mm) on 1/4" centers. Panel thickness 1/32" to 1/8". Litepipe lengths from .200" to 1.200".
- 5mm: mate with lens CLB 300 and SQB 400. Panel mounting hole .250 (6.35mm) on 3/8" centers. Panel thickness 1/32" to 1/4". Lengths from .360" to 1.360". For panels less than 3/16" use SPC 125 spacer.

Standoff Specifications:

- Use VCC's standoff to adjust the height of a standard LED above the PCB and maintain a maximum .050" clearance between litepipe and LED.

T-1 (3mm)

MOUSER STOCK NO.	Fig.	Color	Length (In.)
593-LSV020C	A	Clear	.20
593-LSV040C	A	Clear	.40
593-LSV060C	A	Clear	.60
593-LSV080C	A	Clear	.80
593-LSV100C	A	Clear	1.00
593-LSV120C	A	Clear	1.20



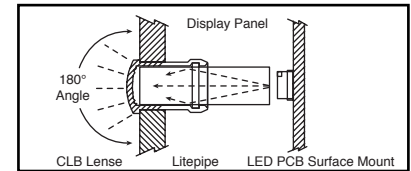
For quantities of 1000 and up, call for quote.

Price Each			
1	10	100	500
.30	.27	.25	.23

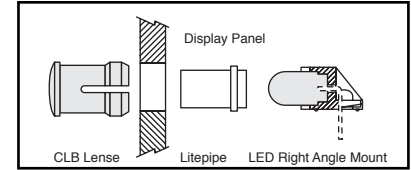
T-1 3/4 (5mm)

MOUSER STOCK NO.	Fig.	Color	Length (In.)
593-LCV036C	B	Clear	.36
593-LCV056C	B	Clear	.56
593-LCV076C	B	Clear	.76
593-LCV096C	B	Clear	.96
593-LCV116C	B	Clear	1.16
593-LCV136C	B	Clear	1.36

Litepipe and Surface Mount LEDs



Litepipe and Right Angle LEDs



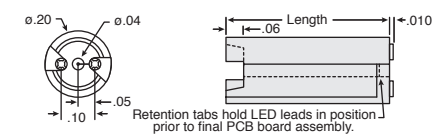
PCB STANDOFFS FOR BI AND TRI-LEAD COMPONENTS

Standoffs are designed for printed circuit board mounting of multi-lead devices ie. LEDs. They cope with various problems in mounting passive components. They include height control, lateral stability, lead retention, lead shorting, and solder flux removal. Device height control is simplified with mounts ranging in lengths from .12" to 1.0"

- Material: thermoplastic (black) UL 94V-0

MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)
593-STD120B	.12	593-STD220B	.22	593-STD300B	.30	593-STD400B	.40
593-STD140B	.14	593-STD240B	.24	593-STD320B	.32	593-STD420B	.42
593-STD160B	.16	593-STD250B	.25	593-STD340B	.34	593-STD440B	.44
593-STD180B	.18	593-STD260B	.26	593-STD360B	.36	593-STD460B	.46
593-STD200B	.20	593-STD280B	.28	593-STD380B	.38	593-STD480B	.48

.12" to .48" lengths				.50" to 1.0" lengths			
Price Each				Price Each			
1	10	100	500	1	10	100	500
.12	.10	.08	.07	.13	.11	.08	.07



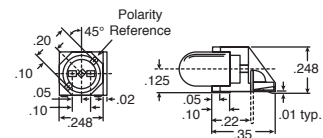
DIMENSIONS (IN.)

MOUSER STOCK NO.	Length (In.)	MOUSER STOCK NO.	Length (In.)
593-STD500B	.50	593-STD750B	.75
593-STD550B	.55	593-STD800B	.80
593-STD600B	.60	593-STD850B	.85
593-STD650B	.65	593-STD900B	.90
593-STD700B	.70	593-STD950B	.95
		593-STD1.0B	1.0

PCB MOUNTS FOR BI AND TRI-LEAD LEDs

Allows the right angle mounting of 5mm LEDs used as diagnostic and logic indicator lights of PC boards. Permits the right angle mounting of the bi-lead as well as both configurations of the tri-lead LED.

DIMENSIONS (In.)



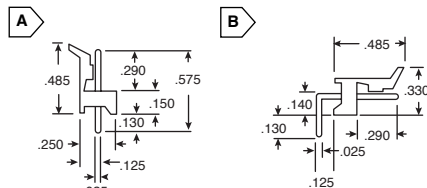
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	100
593-PCH175	.11	.09	.08

PCB MOUNTS

Specifically made for VCC's header post that are used on cable assemblies. This allows a proper lock of the two parts to resist disconnecting under normal use.

DIMENSIONS (In.)

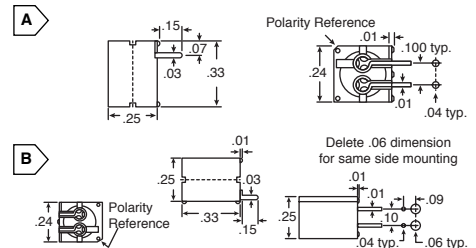


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-CNXV02NTP	A	2 Pos. Vertical	.28	.24	.22	.21
593-CNXH02NTP	B	2 Pos. Horiz.	.36	.31	.27	.23

P-C LITE CIRCUIT BOARD SOCKETS FOR 3MM AND 5MM LEDs

DIMENSIONS (In.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Price Each			
			1	10	100	500
Thru-Hole, Horizontal Socket						
593-PCH330	A	1	.70	.64	.54	.48
Thru-Hole, Vertical Socket						
593-PCV220	B	1	.70	.64	.54	.48