Dialight

Optopipe® Vertical Lightpipes

FLAT LENS
515-1192-XXXF

Coming Soon

CONVEX LENS
515-1193-XXXF

DIM "A"

DIM "B"
FOR ALL
ASSEMBLIES

DOMED LENS
515-1194-XXXF

.287 REF.
[7,29]
FOR ALL
VERSIONS

.175 REF.
[4,45]
FOR ALL
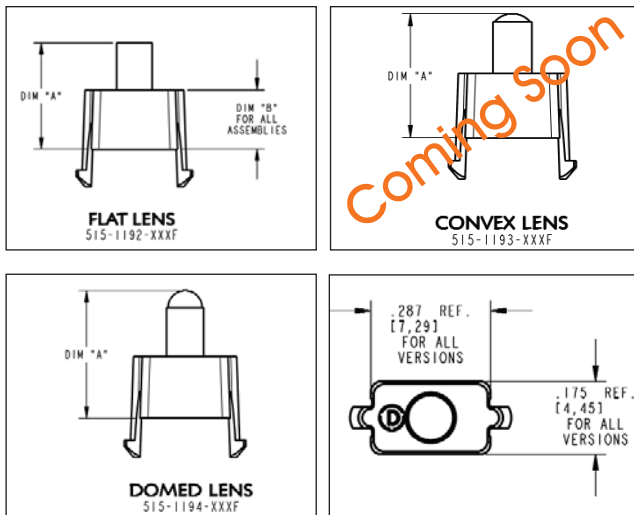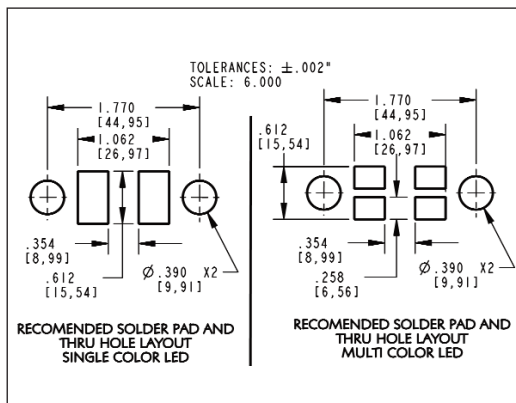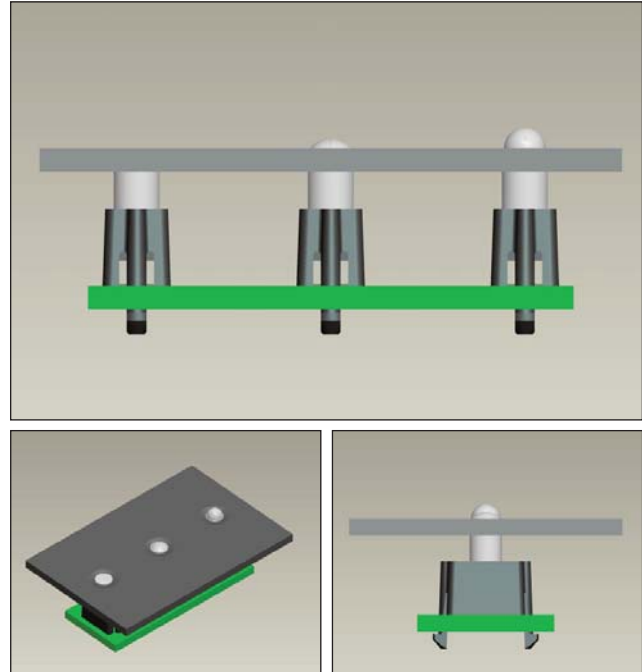VERSIONS

Features & Benefits:

▷ Six lengths varying from .250 to .550
▷ Three lens styles for optimal viewing angles; Flat, Domed, and Convex
▷ Designed for both single and multi-color LEDs
▷ Impervious to failure due to shock and vibration
▷ Up to 90% more efficient than traditional light sources when delivering monochromatic light
▷ Low-voltage and minimal power consumption
▷ Light is produced through photonic emission, not as a by-product of a radiating heat source
▷ Molded from RoHS compliant UL94-V0 Water Clear Polycarbonate with an oxygen index of 35%.
▷ Designed to be used with Dialight surface mount LEDs 597-XXXX-207F. See page 17 for LED operating characteristics

TOLERANCES: ±.002"
SCALE: 6.000

1.770
[44,95]
1.062
[26,97]
.354
[8,99]
.612
[15,54]
Ø.390 X2
[9,91]

1.770
[44,95]
1.062
[26,97]
.612
[15,54]
.354
[8,99]
.258
[6,56]
Ø.390 X2
[9,91]

RECOMENDED SOLDER PAD AND THRU HOLE LAYOUT SINGLE COLOR LED

RECOMENDED SOLDER PAD AND THRU HOLE LAYOUT MULTI COLOR LED

Application

Dialight Optopipe® vertical light pipes provide an excellent solution for products that contain a PCB that is parallel to the panel in need of indication. These UL94-V0 Water Clear Polycarbonate light pipes are secured to the PCB using a custom snap-fit base that is easy to install. Vertical light pipes are ideal for building automation and other industrial applications where light needs to be transferred from a parallel PC board, or the environment is subject to shock and vibration. A good way to utilize low voltage and low current LEDs, Dialight's optopipes provide a great way to efficiently transfer light.

515-119 X-XXXX-F

Length in (mm)
see dim A

Lens Shape

Order Codes

Part Number	DIM "A" in (mm)	Lens Shape
515-1192-0250F	250 (6,35)	Flat
515-1192-0550F	550 (13,97)	Flat
515-1194-0300F	300 (7,62)	Domed
515-1194-0350F	350 (8,89)	Domed
515-1194-0354F	354 (8,99)	Domed
515-1194-0450F	450 (11,43)	Domed

Longer versions available on request, consult factory

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Dialight](#):
  515-1194-0300F 515-1194-0450F 515-1194-0354F 515-1192-0550F 515-1192-0250F 515-1194-0350F 515-1192-00550F 515-1194-00450F 515-1194-00300F 515-1194-00350F 515-1192-00250F