

LIGHT PIPE AND LED PRODUCT SELECTOR



BIVAR

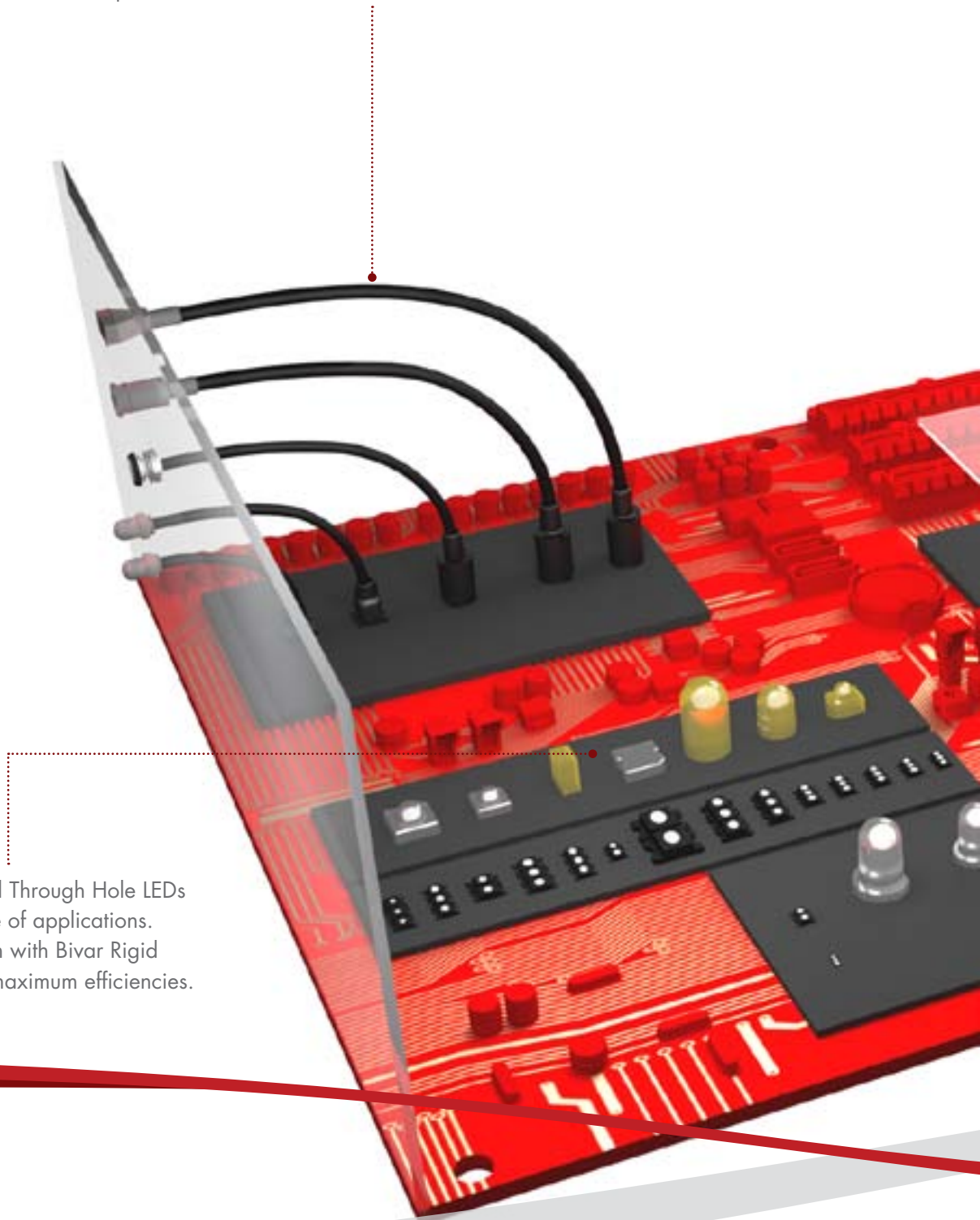
WE'RE MOVING LIGHT

FLEXIBLE LIGHT PIPE SYSTEMS

A Bivar Flexible Light Pipe System is an all-inclusive solution that consists of a built-in LED, a flexible optical fiber with lens cap, and an adapter. This proprietary two-piece installation allows for convenient hot-swap removal and ESD protection for sensitive components which provides another level of protection in hazardous environments.

LEDs

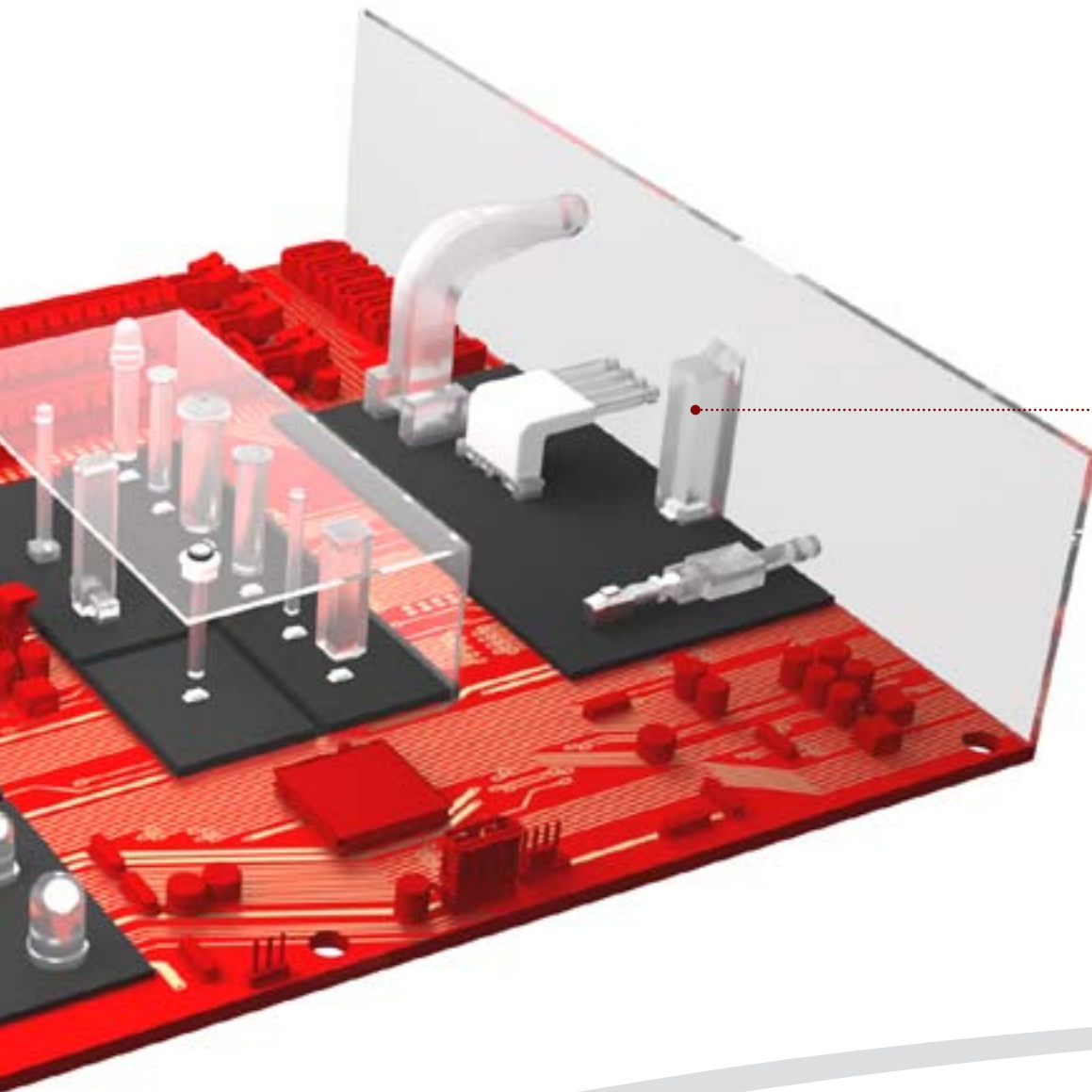
Our Surface Mount LEDs and Through Hole LEDs can be used in a wide range of applications. We recommend pairing them with Bivar Rigid and Flexible Light Pipes for maximum efficiencies.



RIGID LIGHT PIPES

Bivar has one of the widest selections of Rigid Light Pipes in the industry and has a reputation for providing high-quality, dependable products.

Our Rigid Light Pipes are available in either Board Mount or Vertical Press-Fit mounting styles and are made from optical grade 94V-0 polycarbonate. Bivar Rigid Light Pipes can be paired with our proprietary narrow view LEDs which maximizes the light intensity while minimizing light bleed.



FLEXIBLE LIGHT PIPE SYSTEMS

SURFACE MOUNT



SMFLP

Adapter to use with Bivar SMD LED

- » Optical Fiber Diameter: 1mm or 2mm
- » Optical Fiber Length: 1" to over 100"
- » Lens Shape: Round, Oval, Rectangular
- » Lens Appearance: Low Profile, Dome, Flat, Water Clear, Diffused



SMTV01

Adapter with Built-In 0606 SMD LED

- » Optical Fiber Diameter: 2mm
- » Optical Fiber Length: 1" to over 100"
- » Lens Shape: Round
- » Lens Appearance: Low Profile, Dome, Flat, Water Clear, Diffused
- » Built-In LED Colors: Single, Bi-Color and Tri-Color

THROUGH HOLE



ORFLP

Adapter with Built-In Superflux LED

- » Optical Fiber Diameter: 1mm or 2mm
- » Optical Fiber Length: 1" to over 100"
- » Lens Shape: Round, Oval, Rectangular
- » Lens Appearance: Low Profile, Dome, Flat, Water Clear, Diffused
- » Built-In LED Colors: Single, Bi-Color and Tri-Color



FLP

Vertical or Right Angle Adapter with Built-In 3mm T-1 LED

- » Optical Fiber Diameter: 1mm or 2mm
- » Optical Fiber Length: 1" to over 100"
- » Lens Shape: Round, Oval, Rectangular
- » Lens Appearance: Low Profile, Dome, Flat, Water Clear, Diffused
- » Built-In LED Colors: Single and Bi-Color

RIGID LIGHT PIPES

VERTICAL PRESS-FIT



PLTR - IP67 Threaded Retention

- » Mounting Style: Front Press-fit
- » Lens Size: 3mm, 5mm
- » Lens Shape: Round
- » Standard Lengths: .25" - 3" (6.4mm - 76.2mm)



PLPC - Countersink

- » Mounting Style: Front Press-fit
- » Lens Size: 1mm, 2mm, 3mm
- » Lens Shape: Round
- » Standard Lengths: .1" - .5" (2.5mm - 12.7mm)



PLW5 - Wide Capture

- » Mounting Style: Front Press-fit
- » Lens Size: 5mm
- » Lens Shape: Round
- » Standard Lengths: .125" - .5" (3.2mm - 12.7mm)



PLPQ - Square

- » Mounting Style: Front Press-fit
- » Lens Size: 1mm, 2mm, 3mm
- » Lens Shape: Square
- » Standard Lengths: .1" - .5" (2.5mm - 12.7mm)



PLP1

- » Mounting Style: Rear Press-fit
- » Lens Size: 3mm
- » Lens Shape: Round, Flat, Dome
- » Lens Appearance: Diffused, Smoked, Clear
- » Standard Lengths: .1" - .75" (2.5mm - 19mm)



PLP2

- » Mounting Style: Front Press-fit
- » Lens Size: 3mm
- » Lens Shape: Round
- » Lens Appearance: Low Profile, Diffused, Smoked, Clear
- » Standard Lengths: .1" - 1.2" (2.5mm - 30.5mm)



PLP5

- » Mounting Style: Rear Press-fit
- » Lens Size: 5mm
- » Lens Shape: Round
- » Lens Appearance: Low Profile, Diffused, Smoked, Clear
- » Standard Lengths: .125" - 1.5" (3.2mm - 38.1mm)



SLP

- » Mounting Style: Right Angle Board Mount
- » Lens Size: 3mm
- » Lens Shape: Round, Rectangular
- » Lens Appearance: Flat, Clear
- » Levels: Single
- » Length and Height: Various Sizes



LP

- » Mounting Style: Right Angle Board Mount
- » Lens Size: 3mm, 5mm
- » Lens Shape: Round
- » Lens Appearance: Dome, Clear
- » Levels: Single, Bi-Level



RLP

- » Mounting Style: Right Angle Board Mount
- » Lens Size: 3mm
- » Lens Shape: Round
- » Lens Appearance: Flat, Clear
- » Levels: Single
- » Stations: 1, 2, 3, 4
- » Length and Height: Various Sizes



VLP

- » Mounting Style: Vertical Board Mount
- » Lens Size: 3mm
- » Lens Shape: Round,
- » Lens Appearance: Flat, Clear
- » Standard Height: .2" - .650" (5.1mm - 16.5mm)



VLPR

- » Mounting Style: Vertical Board Mount
- » Lens Size: 4mm x 2mm
- » Lens Shape: Rectangular
- » Lens Appearance: Dome, Clear
- » Standard Height: .500" - 1.028" (12.7mm - 26.1mm)



PBLP - Push Button

- » Mounting Style: Right Angle Board Mount
- » Lens Size: .2" (5.1mm)
- » Lens Shape: Round
- » Lens Appearance: Diffused
- » Standard Length: 1.275" (32.4mm)

LEDs

SURFACE MOUNT MICRO



SM0402

- » Lens Appearance: Water Clear
- » Colors: Various Single
- » Viewing Angle: 130°



SM0603

- » Lens Appearance: Water Clear
- » Colors: Various Single
- » Viewing Angle: 130°



SM0605

- » Lens Appearance: Water Clear
- » Colors: Various Tri-Color and Bi-Color
- » Viewing Angle: 120°



SM0805

- » Lens Appearance: Water Clear
- » Colors: Various Single
- » Viewing Angle: 130°



SM1204

- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 110°, 130°



SM1206

- » Lens Appearance: Water Clear
- » Colors: Various Single
- » Viewing Angle: 30°, 140°



SM1210

- » Lens Appearance: Water Clear
- » Colors: Various Bi-Color and Tri-Color
- » Viewing Angle: 130°

SURFACE MOUNT PLCC



SMTL2

- » Lens Size: 2.4mm
- » Lens Appearance: Water Clear
- » Colors: Various Single
- » Viewing Angle: 120°



SMTL4

- » Lens Size: 2.4mm
- » Lens Appearance: Water Clear
- » Colors: Various Bi-Color, and Tri-Color
- » Viewing Angle: 120°



SMTL6

- » Lens Size: 4mm
- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 140°

SPECIALTY LEDs

UV3TZ Series

- » Ultra Violet 3mm Through Hole
- » 385nm - 405nm
- » Viewing Angle: 15° and 30°



UV5TZ Series

- » Ultra Violet 5mm Through Hole
- » 385nm - 405nm
- » Viewing Angle: 15° and 30°



SM0603UV Package

- » Ultra Violet Surface Mount
- » 390nm - 405nm
- » Viewing Angle: 130°



SM1206UV Package

- » Ultra Violet Surface Mount
- » 390nm - 405nm
- » Viewing Angle: 30° and 140°



5IRC-940 Series

- » Infrared 5mm Through Hole
- » 940nm
- » Viewing Angle: 15°



SURFACE MOUNT MID POWER



SME2014 (0.5 Watts)

- » Size: 2 X 1.4 X .55mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 110°



SM2835 (0.2 Watts)

- » Size: 3.5 X 2.8 X .75mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 120°



SME3030 (1.0 Watts)

- » Size: 3 X 3 X .55mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 110°



SM3527 (0.1 Watts)

- » Size: 3 X 2.70 X 1mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 120°



SM4014 (0.2 Watts)

- » Size: 3.40 X 1.45 X .70mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 120°



SM5730 (0.5 Watts)

- » Size: 5.7 X 3 X .90mm
- » Colors: Cool White, Neutral White, Warm White
- » Viewing Angle: 120°

THROUGH HOLE



1.8mm

- » Size: 1.8mm
- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 35°, 50°, 70°



3mm (T1)

- » Size: 3mm
- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 20°, 30°, 35°, 40°, 45°



5mm (T1 $\frac{3}{4}$)

- » Size: 5mm
- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 15°, 20°, 23°, 25°, 30°, 35°, 40°, 45°



Rectangular

- » Size: 2 X 3mm, 2 X 4mm, 2 X 5mm, 2 X 7mm
- » Lens Appearance: Water Clear, Diffused
- » Colors: Various Single and Bi-Color
- » Viewing Angle: 80°, 100°, 120°



Square

- » Size: 7.6 X 7.6 X 2.5mm
- » Lens Appearance: Water Clear
- » Colors: Various Single, Bi-Color and Tri-Color
- » Viewing Angle: 45°, 80°, 160°, 30°/45°



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