

4.8 x 6.35mm Rectangular

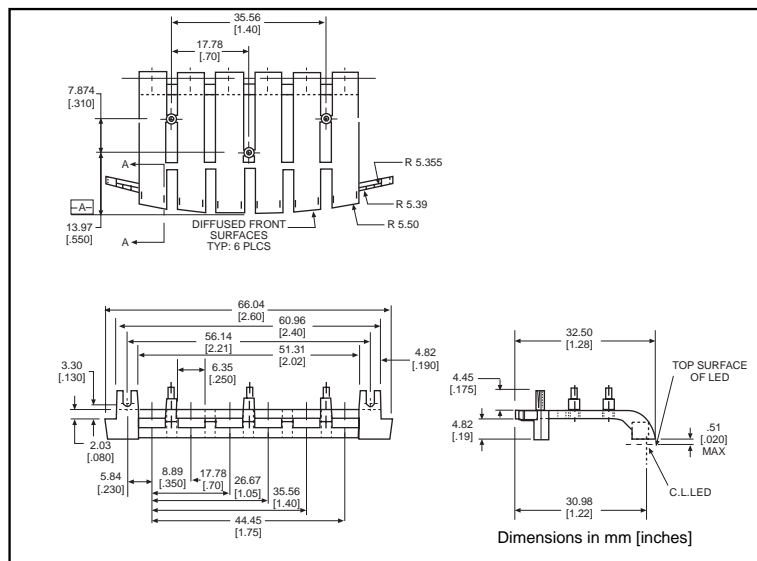
microLED® Optopipe™

Optical Light Pipe, 6 Array, Panel Mounted

NEW

Dialight

515-1043



MicroLED SMT LEDs for use with 515-1043

PART NO.

PAGE

Recommended

597-3xx1-2xx

1-21

597-77x1-2xx

1-23 & 1-24

Alternatives

597-3xxx-5xx

1-30

597-77x1-5xx

1-31

LED alternatives may not produce optimum light output

Features

- Mates with Dialight's 515-1042
- High transmissivity polycarbonate material
- UL94V-0 compliance
- ESD protection (circuit isolation from front panel)
- Wide viewing angle
- Arrays reduce insertion costs
- Secures to panel by heat staking

LED Data

For absolute maximum ratings and other electrical and optical data on the recommended LEDs, refer to LED data sheets.

Operating/Storage Temperature

-30°C to +100°C

Dialight Optopipe Light Pipe Description

This Optopipe™ is ultrasonically welded inside the customer's plastic housing. The light pipe is welded to the case at the forked tabs at the front of the part. The light pipe is not attached to the PCB at any point but floats above it. The gently arcing end sticks through the plastic panel. This light pipe will snap into the 515-1042 to form a bi-level Optopipe™ array. The surface is textured to diffuse the light passing through it. The recommended light sources are Dialight's 597 Series PLCC-2 or PLCC-4 Type SMT LEDs. The SMT LEDs are mounted in a straight line under the rear of the part on a 8.9mm pitch. The light pipe material is water clear transmissive polycarbonate rated UL94-V0, and has a 35% oxygen index. This Optopipe™ is intended for post reflow insertion into the PCB.

Dialight can provide custom Optopipe™ solutions for your applications.

Mouser Electronics

Authorized Distributor

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Dialight:

515-1043F