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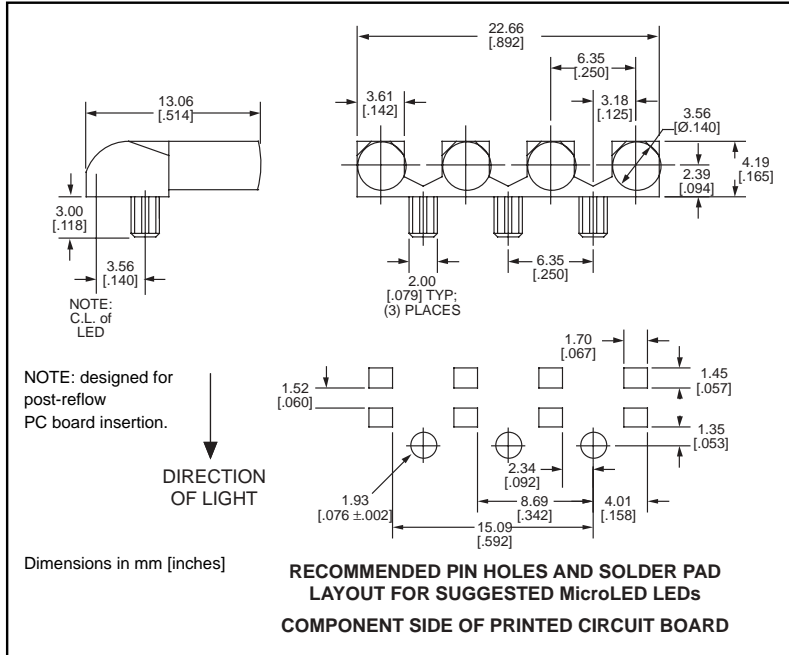
Dialight
5151020F

For any questions, you can email us directly:
sales@integrated-circuit.com

3mm Round
microLED® Optopipe™
Optical Light Pipe, 4 Array

Dialight

515-1020

2

Dimensions in mm [inches]

RECOMMENDED PIN HOLES AND SOLDER PAD LAYOUT FOR SUGGESTED MicroLED LEDs

COMPONENT SIDE OF PRINTED CIRCUIT BOARD

Recommended MicroLED SMT LEDs for use with 515-1020

PART NO.	COLOR	PAGE #
597-3111-4xx	AlGaAs Red	1-28
597-3201-4xx	Orange	1-28
597-3311-4xx	Green	1-28
597-3401-4xx	Yellow	1-28

Features

- High transmissivity polycarbonate material
- UL94V-0 compliance
- ESD protection (circuit isolation from front panel)
- Wide viewing angle
- Arrays reduce insertion costs
- Secures to PCB by press-fit
- For Snap Pin Retention Version, see Dialight's 515-1048 four Array Light Pipe

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 light pipe's circular light emitting surfaces appear bright and have good optical isolation. It is reliably held in place by 3 press-fit pins located between the light pipe elements. This Optopipe™ functions as a through-the-case indicator with a textured finish on the 4 light emitting surface that increases its viewing angle. The recommended light sources are Dialight's 597 Series PLCC-2 or PLCC-4 Type SMT LEDs. The LEDs are mounted in a straight line on a 0.250" pitch. The light pipe material is water clear transmissive polycarbonate rated UL94-V0, and has a 35% oxygen index.

Dialight can provide custom Optopipe™ solutions for your applications.