Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China
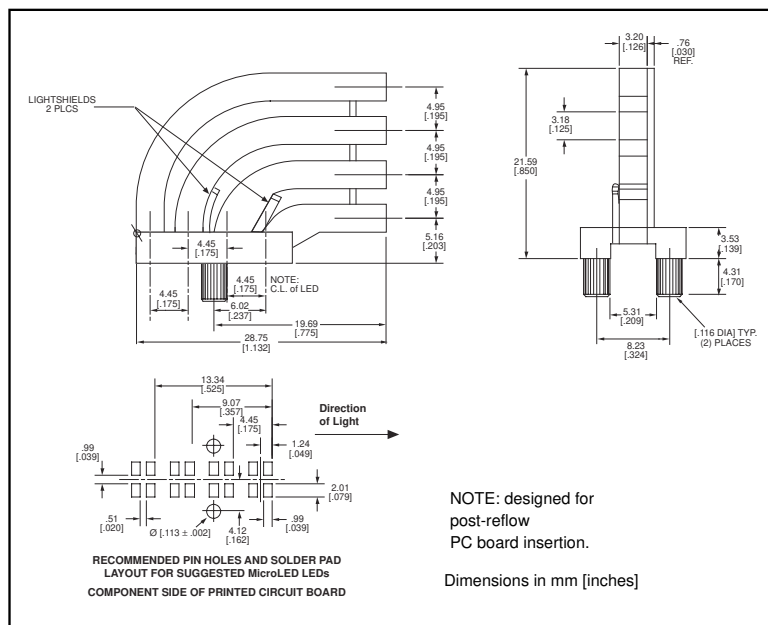
3mm Square
micro **LED** ® Optopipe™
Optical Light Pipe, Quad High

NEW

Dialight

515-1023-803

2

LIGHTSHIELDS 2 PLCS

4.95 [.195]
4.95 [.195]
4.95 [.195]
5.16 [.203]
4.45 [.175]
4.45 [.175] NOTE: C.L. of LED
4.45 [.175]
6.02 [.237]
19.69 [.775]
28.75 [1.132]

3.20 [.126]
.76 [.030] REF.
3.18 [.125]
21.59 [.850]
3.53 [.139]
4.31 [.170]
5.31 [.209]
8.23 [.324]
[.116 DIA] TYP. (2) PLACES

13.34 [.525]
9.07 [.357]
4.45 [.175]
Direction of Light
1.24 [.049]
.99 [.039]
2.01 [.079]
.51 [.020]
Ø [.113 ± .002]
4.12 [.162]
.99 [.039]

RECOMMENDED PIN HOLES AND SOLDER PAD LAYOUT FOR SUGGESTED MicroLED LEDs
COMPONENT SIDE OF PRINTED CIRCUIT BOARD

NOTE: designed for post-reflow PC board insertion.

Dimensions in mm [inches]

Recommended MicroLED SMT LEDs for use with 515-1023-803

PART NO.	COLOR	PAGE #
597-3001-1xx	Red	1-19
597-3111-1xx	AlGaAs Red	1-19
597-3211-1xx	Orange	1-19
597-3301-1xx	Green	1-19
597-3401-1xx	Yellow	1-19
597-7701-1xx	Red/Green	1-20
597-7721-1xx	Yellow/Green	1-20
597-7731-1xx	Red/Yellow	1-20

Features

- High transmissivity polycarbonate material
- UL94V-0 compliance
- ESD protection (circuit isolation from front panel)
- Wide viewing angle
- Arrays reduce insertion costs
- Allows quad level SMT indicators
- Secures to PCB by press-fit

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™ has a relatively low vertical height considering the number of light pipe elements. The element's square emitting surfaces are vertically spaced 0.203" from the PCB to the first element, and then 0.195" between each of the other elements. This Optopipe™ is held in place by 2 press-fit pins on the bottom of the device. The wide base offers added stability to the installed part. The light pipe is not attached to the panel at any point, but protrudes through holes in the panel. This Optopipe™ was specifically designed to accept Dialight's 597 Series Type 1210 LEDs. 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.