

PRODUCT CHANGE NOTIFICATION

PCN Number: 673

Date of Issue:	01/15/24
PCN Effective Date:	01/15/24
Last Time Buy Date:	-
Last Time Ship Date:	-
Type of Change:	MATL Update
Title of Change:	Material Update
Description and Reason for Change:	<div>The material for the VBL Series has changed from PMMA to UL94 V-2 Polycarbonate. Fit, form, function, are not affected.</div>

Mario Davila
Product Manager: M. Davila

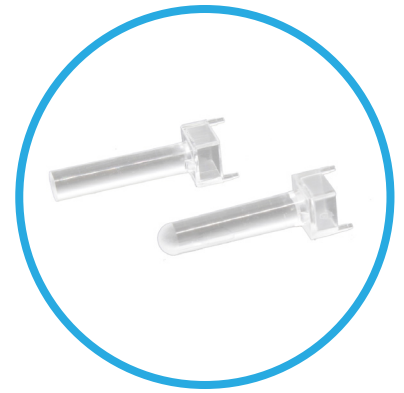
AFFECTED PART NUMBER(s)				
Manufacturer Part Number (MPN)	Description	Discontinued per PCN	Suggested Alternative Part Number(s)	Description of the Difference
VBL3D0200C	VBL Series,PCB mount,3mm,.2" L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0250C	VBL Series,PCB mount,3mm,.25"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0300C	VBL Series,PCB mount,3mm,.3"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0350C	VBL Series,PCB mount,3mm,.35"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0400C	VBL Series,PCB mount,3mm,.4"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0450C	VBL Series,PCB mount,3mm,.45"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0500C	VBL Series,PCB mount,3mm,.5"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0550C	VBL Series,PCB mount,3mm,.55"L,Dome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.

VBL3D0600C	VBL Series,PCB mount,3mm,.6",Dom e,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0700C	VBL Series,PCB mount,3mm,.7"L,Do me,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0800C	VBL Series,PCB mount,3mm,.8"L,Do me,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D0900C	VBL Series,PCB mount,3mm,.9"L,Do me,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3D1000C	VBL Series,PCB mount,3mm,1.0"L,D ome,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0200C	VBL Series,PCB mount,3mm,.2" L,Flat,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0250C	VBL Series,PCB mount,3mm,.25"L,Fl at,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0300C	VBL Series,PCB mount,3mm,.3"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0350C	VBL Series,PCB mount,3mm,.35"L,Fl at,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0400C	VBL Series,PCB mount,3mm,.4"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0450C	VBL Series,PCB mount,3mm,.45"L,Fl at,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.

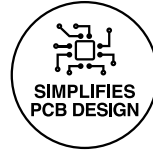
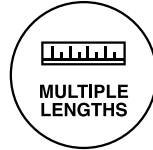
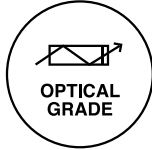
VBL3F0500C	VBL Series,PCB mount,3mm,.5"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0550C	VBL Series,PCB mount,3mm,.55"L,Fl at,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0600C	VBL Series,PCB mount,3mm,.6",Flat, CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0700C	VBL Series,PCB mount,3mm,.7"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0800C	VBL Series,PCB mount,3mm,.8"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F0900C	VBL Series,PCB mount,3mm,.9"L,Flat ,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.
VBL3F1000C	VBL Series,PCB mount,3mm,1.0"L,Fl at,CLR	No	-	The material for the VBL Series has changed from PMMA to UL94 V-2 polycarbonate.

VBL Series

Ø 0.118" (3mm) PCB Mounted Light Pipe for Surface Mount LED



VBL Series features vertical press-fit board mount LED light pipes available in a range of different lengths with either a flat or a domed top.



Applications

- Audio/Video
- Industrial Robots
- Darkroom Equipment
- Agriculture
- Entertainment
- Medical
- IoT
- Data Center Solutions
- Transportation Power Systems

Key Features

- Rigid board mount light pipe for surface mount LEDs
- 3mm round lens with either a domed or flat face
- The VBL light pipes are mounted onto the PCB using push-fit lugs in close proximity to the LED
- Features a press-fit installation into the PCB board which simplifies installation and enables faster assembly
- Protects LED from ESD
- Optical grade polycarbonate for maximum light transmission
- View viewing angle: Flat 80 degree, Dome 20 degree
- Frosted surface diffuses light and provides uniform brightness and a soft glow
- Operating temp: -40°F~239°F (-40°C~115°C)
- Standard lengths from 0.20" to 1.000"
- For custom length contact VCC
- RoHS and REACH Compliant

Ordering Data

Series	Diameter		Shape		Overall Length		Color	
VBL	3		D		0200		C	
	3	3mm	D	Dome	0200	.2" (5.1mm)	C	Clear
			F	Flat	0250	.25" (6.4mm)		
					0300	.3" (7.6mm)		
					0350	.35" (8.9mm)		
					0400	.4" (10.2mm)		
					0450	.45" (11.4mm)		
					0500	.5" (12.7mm)		
					0550	.55" (13.9mm)		
					0600	.6" (15.2mm)		
					0700	.7" (17.8mm)		
					0800	.8" (20.3mm)		
					0900	.9" (22.8mm)		
					1000	1.0" (25.4mm)		

*Custom lengths available upon request



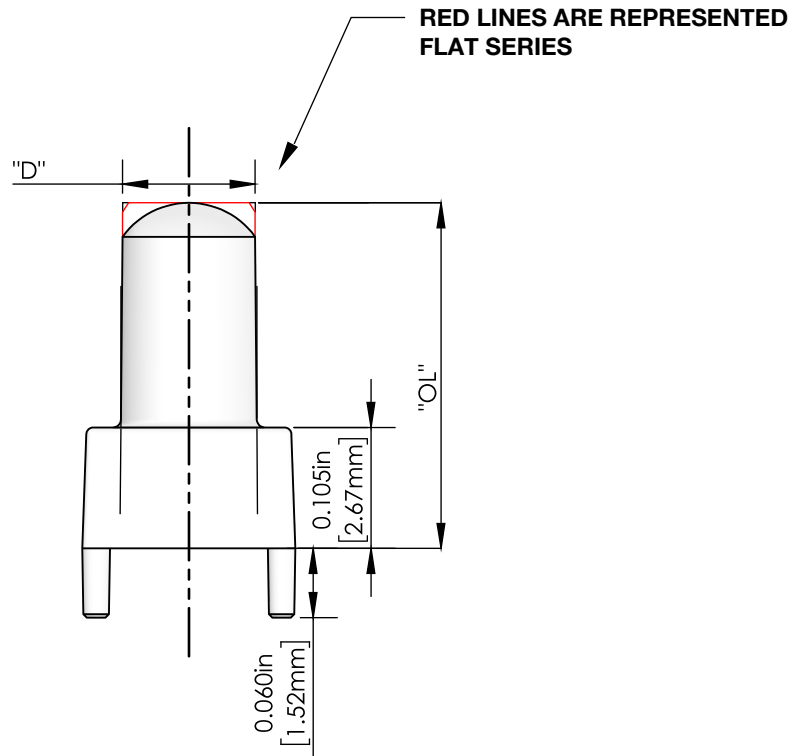
Example:

VBL3D0900C

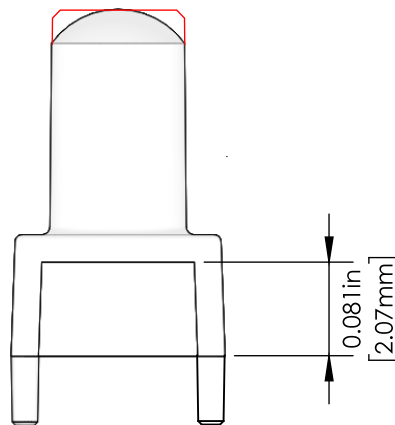
VBL Series, PCB mount, .9" (22.8mm) Overall Length, Dome Shape, Clear

Product Dimensions

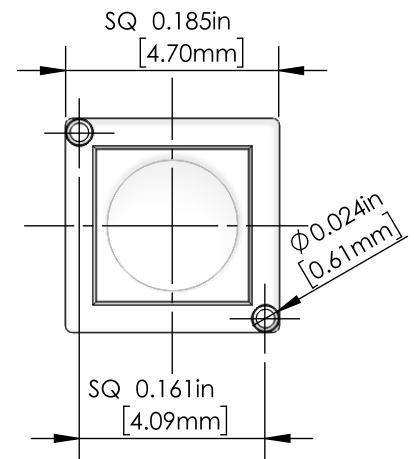
VBL Series



Overall Length (OL)
.2" (5.1mm)
.25" (6.4mm)
.3" (7.6mm)
.35" (8.9mm)
.4" (10.2mm)
.45" (11.4mm)
.5" (12.7mm)
.55" (13.9mm)
.6" (15.2mm)
.7" (17.8mm)
.8" (20.3mm)
.9" (22.8mm)
1.0" (25.4mm)



Mounting Hole Pattern



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm 0.005"$ [0.1mm] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials	
Body	Polycarbonate, Clear UL 94-V0

Installation Specifications	
Diameter	Ø 0.117" ± 0.002
Standard Lengths	.2" to 1.0" (5.1mm to 25.4mm)

Temperature Specifications	
Operating Temperature	-40°F~239°F (-40°C~115°C)

Compliances and Approvals

