

# Full color dot matrix unit

## LPM-5123BMU813

The LPM-5123BMU813 is a 16×32 dot matrix display which can be used in a wide range of applications such as video screens, graphic, alphabet, numeric and symbol with no color distribution.

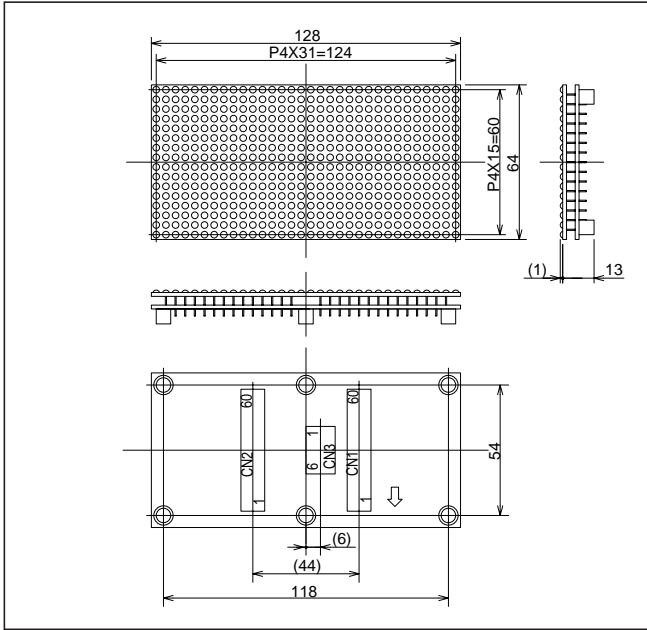
**●Applications**

- For information boards at stations, bus terminals and airports.
- For message board
- For graphic display

**●Features**

- 1) 16×32 dot matrix.  
Dot size : φ2.8
- 2) Dimensions : 64mm×128mm
- 3) Built in color adjustment LSI enables full color display with no color distribution.
- 4) Rohm original Potting lens method make it possible to have High-Contrast & Wide-View (2θ 1/2=140 degrees)display.
- 5) Over thousand million Colors at display is available by controlling 1,024 gray scale for each color.
- 6) 1 / 16 duty dynamic scan method.
- 7) Brightness adjustment circuit is built-in to adjust the whole panel brightness.

**●Dimensions (Unit : mm)**



**●Product specification**

Part No.	Emitting surface size (mm)	Display	Emitting color	Wavelength (nm)	Dot size (mm)	Dot pitch (mm)	Number of dots (dot)	Control		LED		Brightness (cd/m <sup>2</sup> )	Operating freq. (MHz)	Drive type
								V <sub>DD</sub> (V)	I <sub>cc1</sub> Max. (mA)	V <sub>LED</sub> (V)	I <sub>cc2</sub> Max. (A)			
LPM-5123BMU813	64×128	Potting lens	Red	(624)	φ2.8	4	16×32	5	500	5	3.0	330	10 (Max.)	1/16 duty (sift resistor type) External and internal gray levels clock 1024 gray levels
			Green	(525)								890		
			Blue	(471)								180		

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