

Full color dot matrix unit

LPM5123BMUA61M

The LPM5123BMUA61M 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

Image display

For information boards at stations, bus terminals and airports

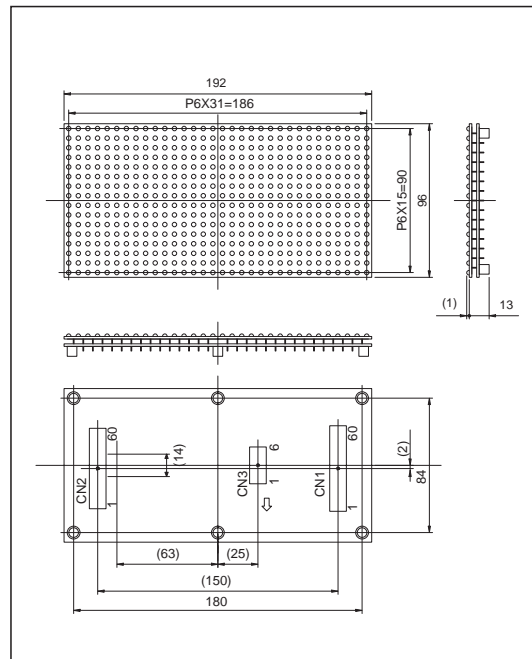
For message board

For graphic display

●Features

- 1) 16×32 dot matrix.
Dot size : $\phi 2.8$
- 2) Dimensions : 96mm×192mm
- 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($2\theta/2=140$ degrees) display.
- 5) Over thousand million Colors at display is available by controlling 1,024 gray scale for each color.
- 6) 1 / 8 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 dot (dot)	Control		LED		Brightness (cd/m ²)	Operating freq. (MHz)	Drive Type
								V _{DD} (V)	I _{cc1} Max. (mA)	V _{LED} (V)	I _{cc2} Max. (A)			
LPM5123BMUA61M	96×192	Potting lens	Red	(624)	$\phi 2.8$	6	16×32	5	700	5	7.0	330	10 (Max.)	1/8 duty (shift resistor type) External and Internal gray levels clock 1024 gray levels
			Green	(527)								890		
			Blue	(470)								180		

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