



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!



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Full color dot matrix unit

LUM-115BBMU8B0

The LUM-115BBMU8B0 is a 24×48 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.

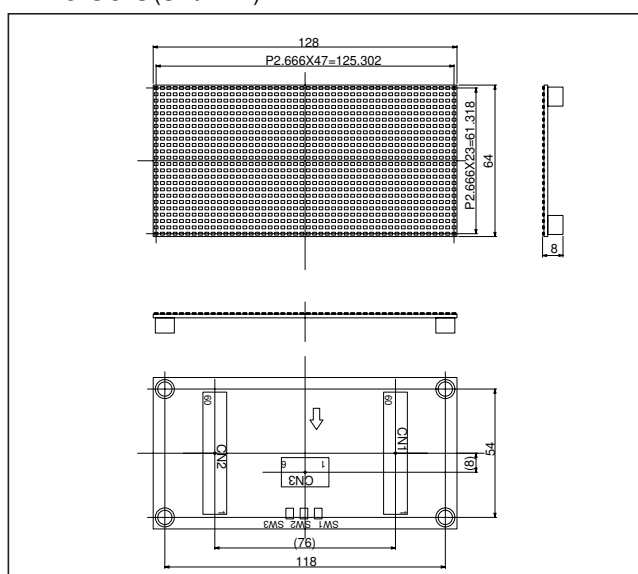
For message board

For graphic display

●Features

- 1) 24×48 dot matrix.
Dot size : 1.0×0.6mm
- 2) Dimensions : 64mm×128mm
- 3) Built in color adjustment LSI enables full color display with no color distribution.
- 4) Over thousand million Colors at display is available by controlling 1,024 gray scale for each color.
- 5) 1 / 24 duty dynamic scan method.
- 6) 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 (mm)	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)			
LUM-115BBMU8B0	64×128	Chip LED	Red	(624)	1.0×0.6	2.7	24×48	5	350	5	2.5	330	10 (Max.)	1/24 duty (sift resistor type) External and Internal gray levels clock 1024 gray levels
			Green	(527)								890		
			Blue	(470)								180		

Notes

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