

# 16×32 dot matrix unit

## LUM-512HY3A0

The LUM-512HY3A0 is a 16×32 dot matrix display which can be used in a wide range of applications, including alphabet, numeric, symbol and graphical displays. A large display can be easily created by arranging a number of these dot matrix displays in an array, and they can be applied to a variety of display purposes. A custom LSI controller has display data memory for two screens, and data for each screen can be written and displayed in turn.

The incorporated circuit is the static circuit, but the image displaying can be controlled in the same way as conventional memory method.

### ●Applications

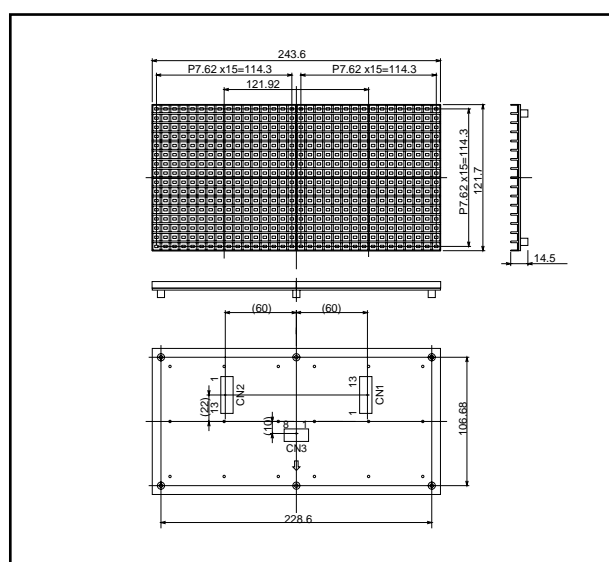
For information boards at stations, bus terminals and airports.

For message board.

### ●Features

- 1) 16×32 dot matrix.  
Shape of emitting section : □1.6×2.3
- 2) Dimensions : 122mm×244mm
- 3) Clear display.
- 4) Single-color display is possible  
(yellow).
- 5) Static circuit method
- 6) Wide viwing angle.  
(2θ 1/2= 100 degrees)

### ●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. (A)	V <sub>LED</sub> (V)	I <sub>CC2</sub> Max. (A)			
LUM-512HY3A0	122 × 244	Chip LEDs	Yellow	590	1.6 × 2.3	7.62	16 × 32	5	3.5	5	6.0	2000	10 (Max.)	Static (Memory type)

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