

16×32 dot matrix unit

LUM-512HML350

The LUM-512HML350 is a 16×32 three colors 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.

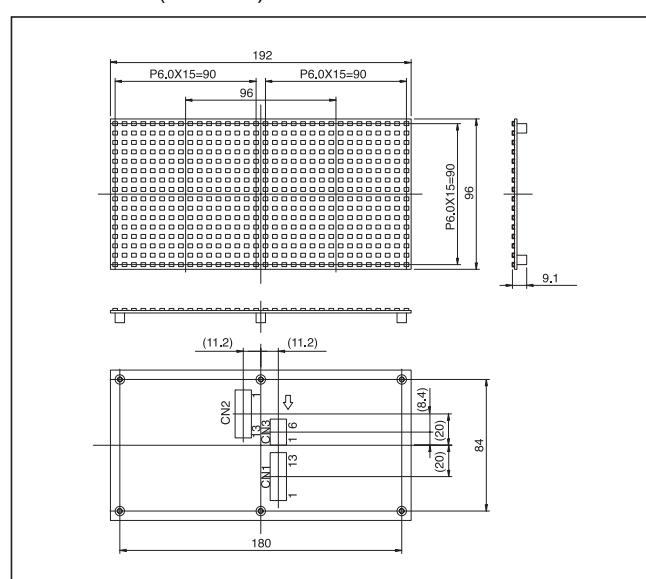
●Applications

Light source for displays

●Features

- 1) 16×32 dot matrix.
Shape of emitting section : □2.1×2.3
- 2) Dimensions : 96mm×192mm
- 3) Clear display.
- 4) Three-color display is possible (red, green, and orange).
- 5) 1 / 16 duty dynamic scan method.
- 6) Ultra-thin shape of 9.1mm, light weight of 90g, and wide directional characteristics of 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 ²) | Operating freq. (MHz) | Drive type |
|---------------|----------------------------|-----------|----------------|-----------------|---------------|----------------|----------------------|---------------------|----------------------------|----------------------|---------------------------|---------------------------------|-----------------------|-------------------------|
| | | | | | | | | V _{DD} (V) | I _{CC1} Max. (mA) | V _{LED} (V) | I _{CC2} Max. (A) | | | |
| LUM-512HML350 | 96 × 192 | Chip LEDs | Red | 660 | 2.1 × 2.3 | 6 | 16 × 32 | 5 | 20 | 5 | 4.3 | 100 | 20 | 1/16 duty (Memory type) |
| | | | Green | 563 | | | | | | | | 100 | | |

Notes

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