

## CHARACTERISTICS:

DISPLAY CONTENT: 16 × 2 CHARACTERS

LCD TYPE: STN Y/G

LED BACKLIGHT: Y/G

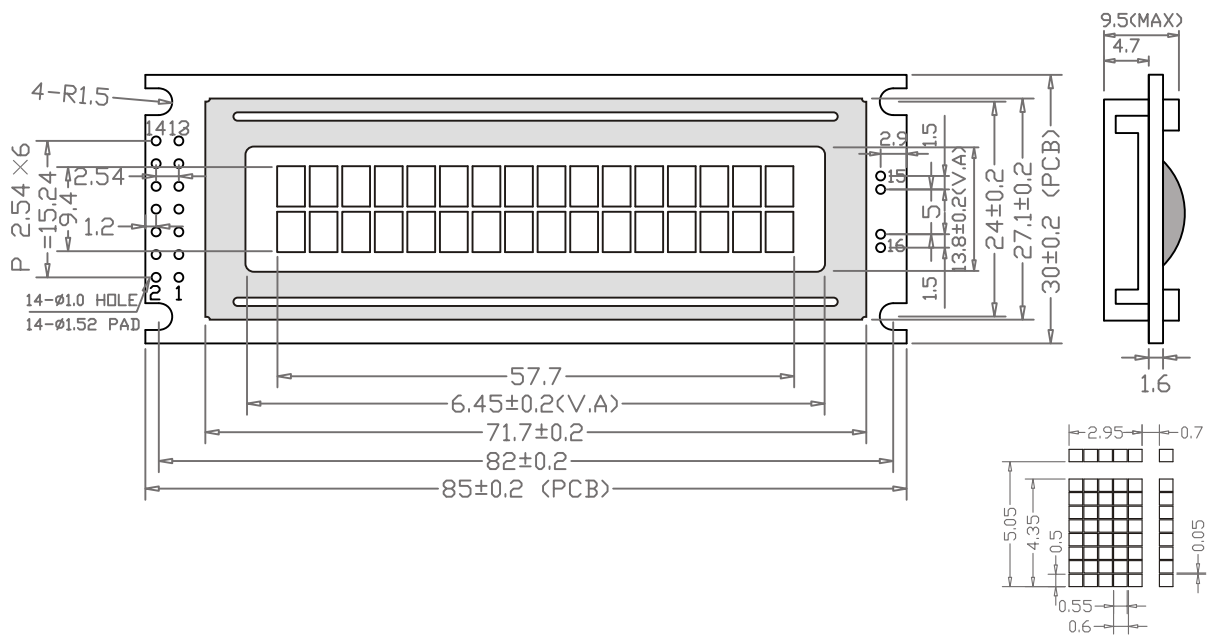
CONTROLLER: KS0066 OR EQUAL

OPERATING TEMPERATURE: NORMAL(0–50°C); WIDE(–20–70°C)

POWER SUPPLY: 5.0V

VIEWING ANGLE: 6H; 12H

## DIMENSIONS/DISPLAY CONTENT



Note: tolerance is  $\pm 0.3$  unless otherwise noted.  
Unit: mm

## PIN CONFIGURATION

| 1   | 2   | 3              | 4  | 5   | 6 | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15   | 16   |
|-----|-----|----------------|----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| VSS | VDD | V <sub>0</sub> | RS | R/W | E | DB0 | DB1 | DB2 | DB3 | DB4 | DB5 | DB6 | DB7 | LEDA | LEDK |

## PARAMETER (V<sub>DD</sub>=5.0 ± 10%, V<sub>SS</sub>=0V, T<sub>a</sub>=25°C)

| Parameter         | Symbol                           | Standard Values |      |     | Unit |
|-------------------|----------------------------------|-----------------|------|-----|------|
|                   |                                  | Min.            | Typ. | Max |      |
| Supply voltage    | V <sub>DD</sub> -V <sub>SS</sub> | 4.5             | 5.0  | 5.5 | V    |
| Input voltage     | H                                | V <sub>IH</sub> | 2.2  | -   |      |
|                   | L                                | V <sub>IL</sub> | -0.3 | -   |      |
| LCD Drive Voltage | -                                | -               | 4.7  | -   |      |
| Operating current | I <sub>DD</sub>                  | -               | 1.2  | 3.0 | mA   |

## APPLICATION CIRCUIT

