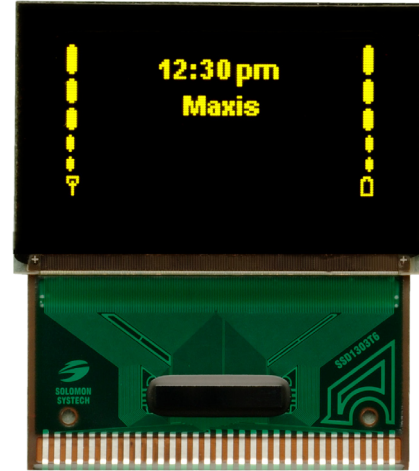


# OLED DISPLAY SOLUTIONS

# Pictiva™ 1.0-inch 128x64 OLED display



OS128064Px10MxxB10

## Features

- Available in white and 3 other colors
- RoHS compliant
- 180° viewing angle
- Fast response, video capable
- High contrast
- Wide operating temperature range
- Thin profile (1.7mm)

## Benefits

- Attractive appearance in White or Blue
- Low-cost graphic solution
- Ultra-thin structure suits mobile devices

## Applications

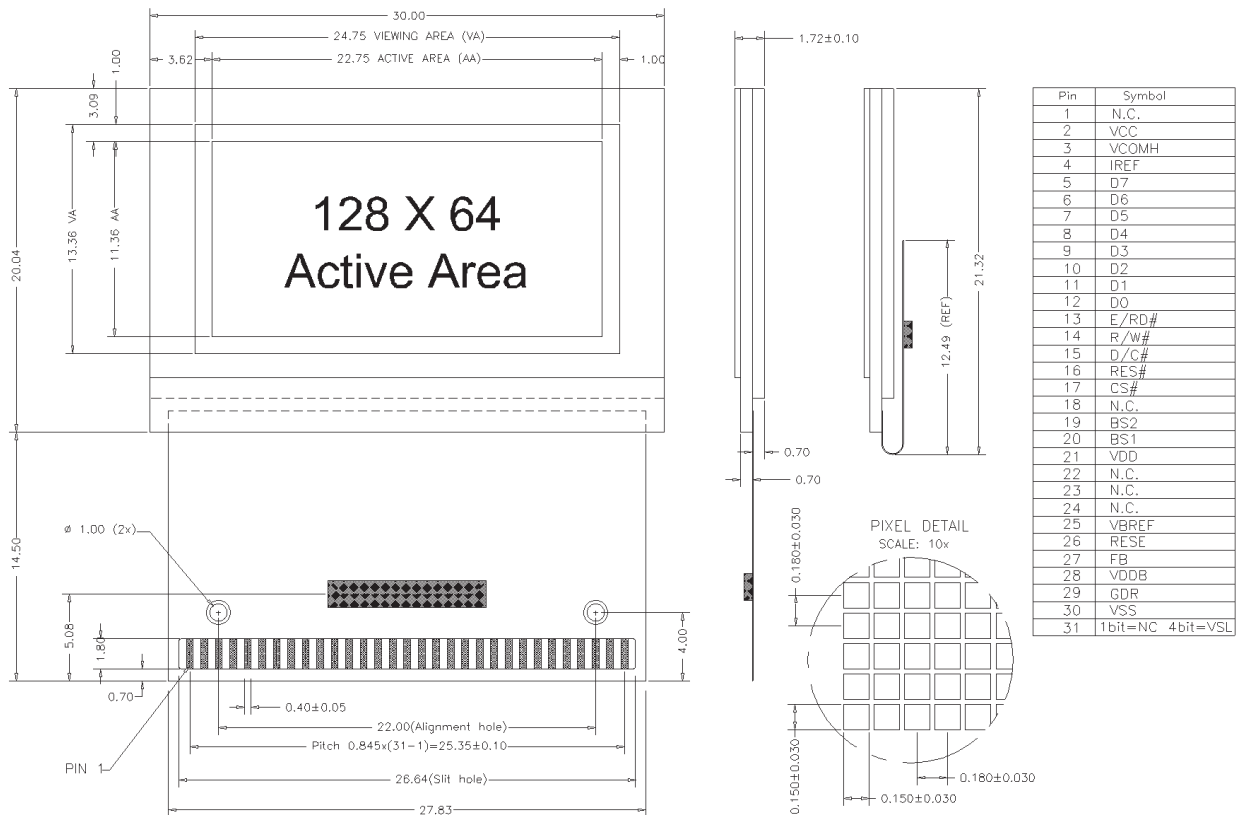
- Mobile Phone Sub-Display
- MP3 Players
- Mobile Consumer Devices

## Specifications

|                             |   |       |       |                   |                    |
|-----------------------------|---|-------|-------|-------------------|--------------------|
| Display Format              | 128 Columns x 64 Rows                         |       |       |                   |                    |
| Diagonal                    | 1.0 inch                                      |       |       |                   |                    |
| Pixel Pitch                 | 0.18 mm x 0.18 mm                             |       |       |                   |                    |
| Color, Luminance & Lifetime | Color On Demand                               | CIE x | CIE y | cd/m <sup>2</sup> | Lifetime hrs, 25°C |
|                             | Elegance Yellow                               | 0.46  | 0.54  | 100/200*          | 40K/10K*           |
|                             | Lime Green                                    | 0.37  | 0.62  | 120               | 10K                |
|                             | Tiger Orange                                  | 0.63  | 0.37  | 50                | 10K                |
|                             | Galaxy White                                  | 0.25  | 0.25  | 35                | TBA                |
| Grayscale                   | 1 or 4 bit                                    |       |       |                   |                    |
| Active Area                 | 22.75 (W) X 11.36 (H) mm                      |       |       |                   |                    |
| Module Size                 | 30.0 (W) X 20.0 (H) X 1.7 (T) mm              |       |       |                   |                    |
| Viewing Angle               | 180°  |       |       |                   |                    |
| Contrast Ratio              | 2000:1 dark ambient                           |       |       |                   |                    |
| Temperature                 | -30°C to +70°C Operating                      |       |       |                   |                    |
| Voltage                     | 2.4V – 3.5V (Logic)<br>12V– 13V (OLED Supply) |       |       |                   |                    |
| Power                       | 0.05 mW (Sleep Mode)                          |       |       |                   |                    |
| Interface                   | Parallel or Serial, TAB interconnect          |       |       |                   |                    |
| Driver                      | SSD1303 (1-bit), SDD0323 (4-bit)              |       |       |                   |                    |
| Weight                      | 2.2g nominal                                  |       |       |                   |                    |

\* High Brightness Mode

# Mechanical Dimensions and Pin Description



## Ordering Information

| Part Number        | Order Number | Description  |
|--------------------|--------------|--|
| <b>1-bit</b>       |              |  |
| OS128064PN10MY0B10 | Q65110A4124  | Pictiva™ 1.0 inch 128x64 OLED Display, Elegance Yellow |
| OS128064PN10MG1B10 | Q65110A4125  | Pictiva™ 1.0 inch 128x64 OLED Display, Lime Green      |
| OS128064PN10MO1B10 | Q65110A4126  | Pictiva™ 1.0 inch 128x64 OLED Display, Tiger Orange    |
| OS128064PN10MW1B10 | Q65110A4122  | Pictiva™ 1.0 inch 128x64 OLED Display, Galaxy White    |
| <b>4-bit</b>       |              |  |
| OS128064PK10MY0B10 | Q65110A4130  | Pictiva™ 1.0 inch 128x64 OLED Display, Elegance Yellow |
| OS128064PK10MG1B10 | Q65110A4131  | Pictiva™ 1.0 inch 128x64 OLED Display, Lime Green      |
| OS128064PK10MO1B10 | Q65110A4132  | Pictiva™ 1.0 inch 128x64 OLED Display, Tiger Orange    |
| OS128064PK10MW1B10 | Q65110A4128  | Pictiva™ 1.0 inch 128x64 OLED Display, Galaxy White    |

## Contact Information

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