

## OLED DISPLAY SOLUTIONS

# Pictiva™ 1.1-inch 96x64 OLED display



OS096064Px11MxxB10

## Features

- Long-life OLED: up to 40K hrs lifetime to 50% luminance
- RoHS Compliant
- 4 color options
- High brightness, Fast response
- High-contrast, 180° viewing angle
- Ultra-thin structure
- Low power consumption

## Benefits

- Meets low cost graphic needs
- Video frame rate capable
- Suitable for battery-operated units

## Applications

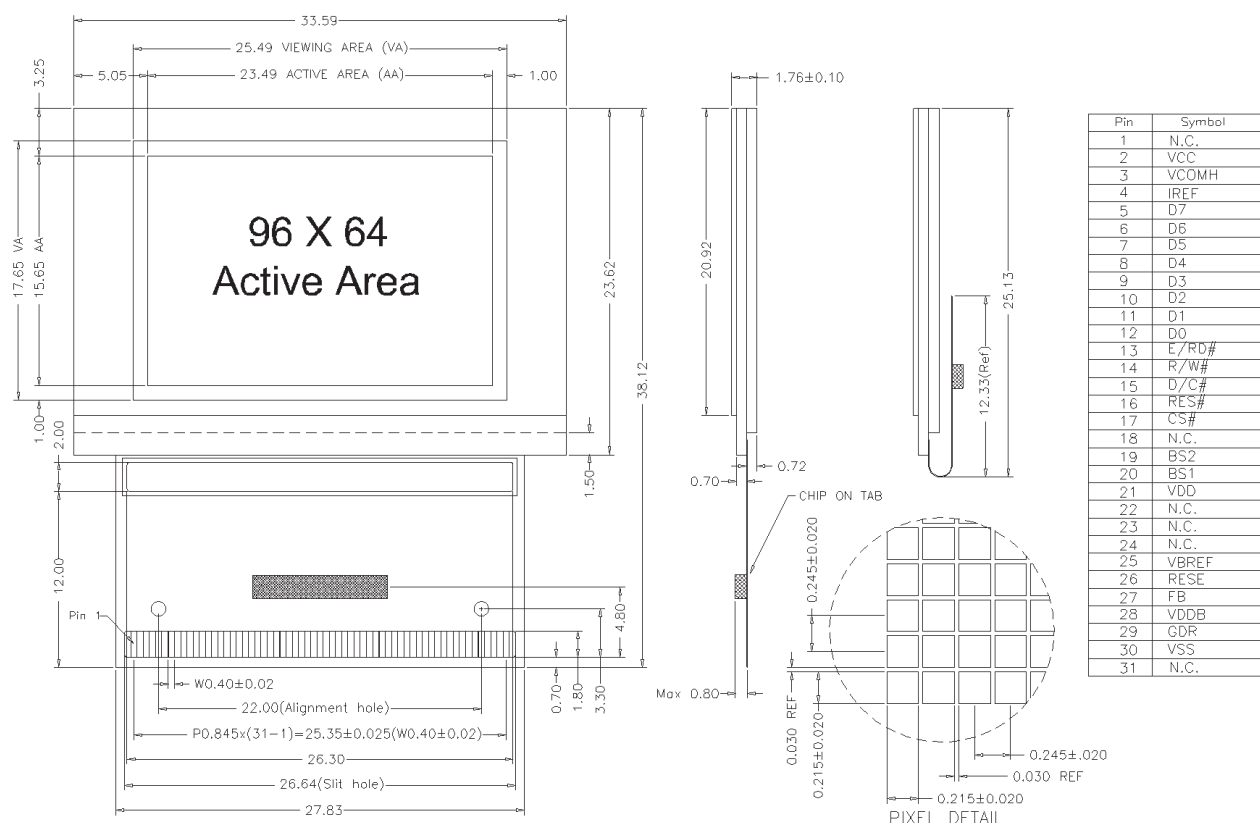
- Mobile phone sub-display
- Mobile devices / MP3 Players
- Industrial equipment
- Personal care devices

## Specifications

|                             |                                                |       |       |                   |                    |
|-----------------------------|------------------------------------------------|-------|-------|-------------------|--------------------|
| Display Format              | 96 Columns x 64 Rows                           |       |       |                   |                    |
| Diagonal                    | 1.1 inch                                       |       |       |                   |                    |
| Pixel Pitch                 | 0.245 mm x 0.245 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  | 100               | 10K                |
|                             | Tiger Orange                                   | 0.63  | 0.37  | 60                | 10K                |
|                             | Galaxy White                                   | 0.25  | 0.25  | 35                | TBA                |
| Grayscale                   | 1 or 4 bit                                     |       |       |                   |                    |
| Active Area                 | 23.49 (W) X 15.65 (H) mm                       |       |       |                   |                    |
| Module Size                 | 33.59 (W) X 38.12 (H) X 1.72 (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/SDD0323 on TAB                         |       |       |                   |                    |
| Weight                      | 2.95g nominal                                  |       |       |                   |                    |

\* High Brightness Mode

# Mechanical Dimensions and Pin Description



## Ordering Information

| Part Number        | Order Number | Description                                           |
|--------------------|--------------|-------------------------------------------------------|
| 1-bit              |              |                                                       |
| OS096064PN11MY0B10 | Q65110A3348  | Pictiva™ 1.1 inch 96x64 OLED Display, Elegance Yellow |
| OS096064PN11MG1B10 | Q65110A4052  | Pictiva™ 1.1 inch 96x64 OLED Display, Lime Green      |
| OS096064PN11MO1B10 | Q65110A4053  | Pictiva™ 1.1 inch 96x64 OLED Display, Tiger Orange    |
| OS096064PN11MW1B10 | Q65110A4163  | Pictiva™ 1.1 inch 96x64 OLED Display, Galaxy White    |
| 4-bit              |              |                                                       |
| OS096064PK11MY0B10 | Q65110A4054  | Pictiva™ 1.1 inch 96x64 OLED Display, Elegance Yellow |
| OS096064PK11MG1B10 | Q65110A4585  | Pictiva™ 1.1 inch 96x64 OLED Display, Lime Green      |
| OS096064PK11MO1B10 | Q65110A4586  | Pictiva™ 1.1 inch 96x64 OLED Display, Tiger Orange    |
| OS096064PK11MW1B10 | Q65110A4701  | Pictiva™ 1.1 inch 96x64 OLED Display, Galaxy White    |

## Contact Information

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