

OLED DISPLAY SOLUTIONS

Pictiva™ 1.0-inch 96x36 OLED display



OS096036Px10MxxB10

Features

- RoHS Compliant
- White, Blue, or Area Color options available
- Low-power consumption for battery-powered devices
- 180° viewing angle

Benefits

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

Applications

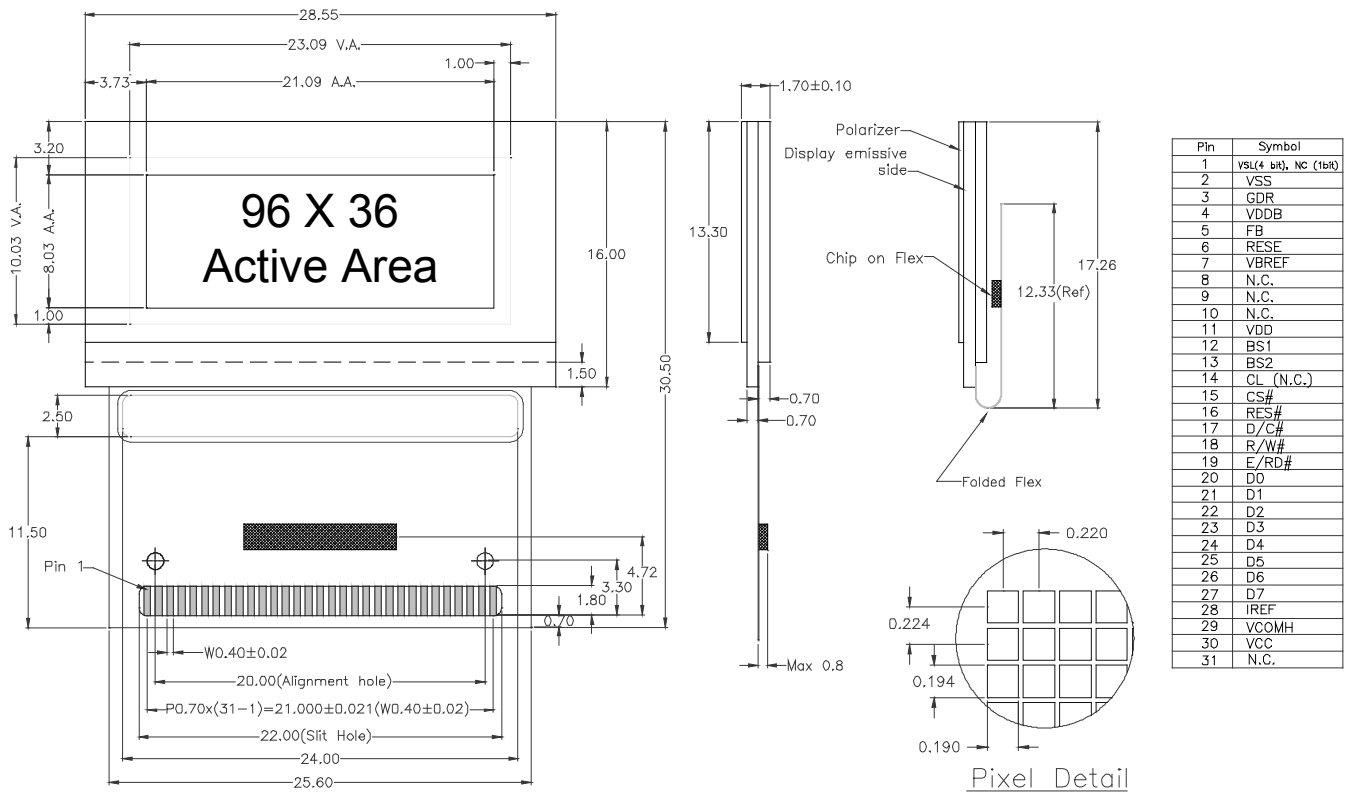
- Mobile Phone sub-display
- MP3 player
- Mobile consumer devices

Specifications

| | | | | | |
|-----------------------------|--|-------|-------|-------------------|--------------------|
| Display Format | 96 Columns x 36 Rows | | | | |
| Diagonal | 1.0 inch | | | | |
| Pixel Pitch | 0.22 mm x 0.22 mm | | | | |
| Color, Luminance & Lifetime | Color On Demand | CIE x | CIE y | cd/m ² | 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 | 60 | TBA |
| | Ocean Blue | 0.14 | 0.17 | 30 | TBA |
| Grayscale | 1 or 4 bit | | | | |
| Active Area | 21.1 (W) X 8.0 (H) mm | | | | |
| Module Size | 28.6 (W) X 17.26 (H) X 1.7 (T) mm TAB FOLDED | | | | |
| Viewing Angle | 180° | | | | |
| Contrast Ratio | 2000:1 dark ambient | | | | |
| Temperature | -30°C to +70°C Operating | | | | |
| Voltage | 2.4 V– 3.5V (Logic) 12V typical (OLED Supply) | | | | |
| Power | 0.05 mW (Sleep Mode) | | | | |
| Interface | Parallel or Serial (SPI, I ² C), TAB interconnect | | | | |
| Driver | SSD0303 (1-bit), SSD0323 (4-bit) on TAB | | | | |
| Weight | 1.6g nominal | | | | |

* High Brightness Mode

Mechanical Dimensions and Pin Description



Ordering Information

| Part Number | Order Number | Description |
|--------------------|--------------|---|
| 1-bit | | |
| OS096036PP10MY0B10 | Q65110A3999 | Pictiva™ 1.0 inch 96x36 OLED Display, Elegance Yellow |
| OS096036PP10MG1B10 | Q65110A3998 | Pictiva™ 1.0 inch 96x36 OLED Display, Lime Green |
| OS096036PP10MO1B10 | Q65110A3997 | Pictiva™ 1.0 inch 96x36 OLED Display, Tiger Orange |
| OS096036PP10MW1B10 | Q65110A4518 | Pictiva™ 1.0 inch 96x36 OLED Display, Galaxy White |
| OS096036PP10MB2B10 | Q65110A4000 | Pictiva™ 1.0 inch 96x36 OLED Display, Ocean Blue |
| 4-bit | | |
| OS096036PK10MY0B10 | Q65110A3994 | Pictiva™ 1.0 inch 96x36 OLED Display, Elegance Yellow |
| OS096036PK10MG1B10 | Q65110A3993 | Pictiva™ 1.0 inch 96x36 OLED Display, Lime Green |
| OS096036PK10MO1B10 | Q65110A3992 | Pictiva™ 1.0 inch 96x36 OLED Display, Tiger Orange |
| OS096036PK10MW1B10 | Q65110A4517 | Pictiva™ 1.0 inch 96x36 OLED Display, Galaxy White |
| OS096036PK10MB2B10 | Q65110A3995 | Pictiva™ 1.0 inch 96x36 OLED Display, Ocean Blue |

Contact Information

OSRAM Opto Semiconductors

Asia: +60(4) 631-8100 prasia@osram-os.com
 Europe: +49 (0)941-850-3535 pr@osram-os.com
 North America: +1-888-446-7726 ext.4310 info@osram-os.com

Web: www.pictiva.com