

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# **OLED DISPLAY SOLUTIONS**

# Pictiva™ 1.1-inch 96x64 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**

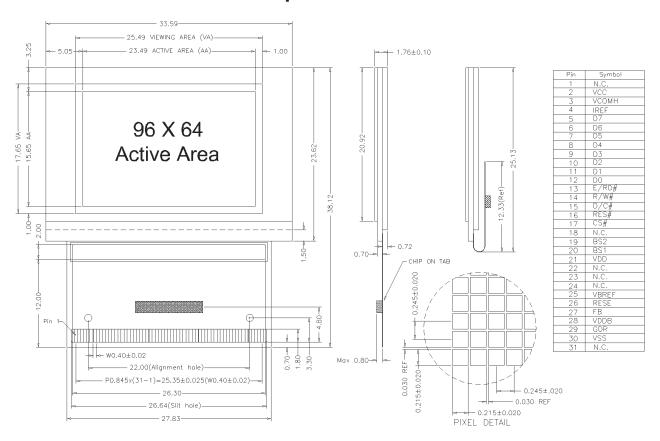
- Mobile phone sub-display
- Mobile devices / MP3 Players
- Industrial equipment
- Personal care devices

## **Specifications**

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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/ m²	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) 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					

<sup>\*</sup> 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 <sup>™</sup> 1.1 inch 96x64 OLED Display, Galaxy White		

### **Contact Information**

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