## imall

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<sup>™</sup> 1.0-inch 96x36** display



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

#### **Benefits**

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

#### **Applications**

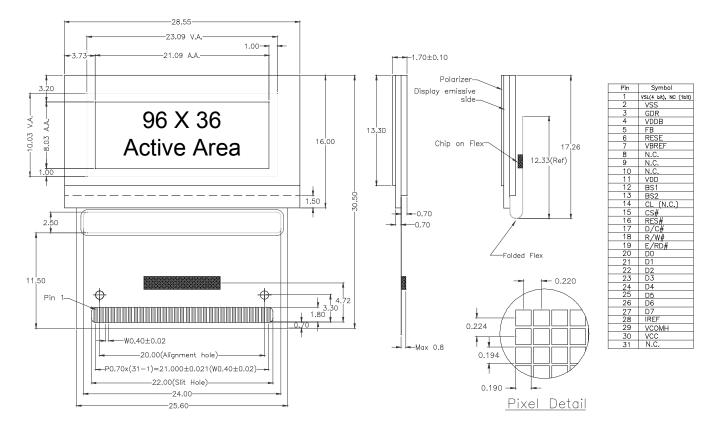
- Mobile Phone sub-display
- MP3 player
- Mobile consumer devices

#### **Specifications**

96 Columns x 36 Rows							
1.0 inch							
0.22 mm x 0.22 mm							
Color On	CIE x	CIE y	cd/	Lifetime			
Demand			m²	hrs, 25°C			
Elegance Yellow	0.46	0.54	100/	40K/			
	0.27	0.62		10K*			
			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			
1 or 4 bit							
21.1 (W) X 8.0 (H) mm							
				H) X 1.7 (T) mm			
TAB FOLDED							
180°							
2000:1 dark ambient							
-30°C to +70°C Operating							
2.4 V– 3.5V (Logic)							
12V typical (OLED Supply)							
0.05 mW (Sleep Mode)							
Parallel or Serial (SPI, I <sup>2</sup> C), TAB interconnect							
SSD0303 (1-bit), SSD0323 (4-bit) on TAB							
1.6g nominal							
	1.0 inch 0.22 mm x 0.22 m Color On Demand Elegance Yellow Lime Green Tiger Orange Galaxy White Ocean Blue 1 or 4 bit 21.1 (W) X 8.0 (H) 28.6 (W) X 17.26 TAB FOLDED 180° 2000:1 dark amb -30°C to +70°C O 2.4 V– 3.5V (Logi 12V typical (OLE 0.05 mW (Sleep M Parallel or Serial ( SSD0303 (1-bit), S	1.0 inch $0.22 \text{ mm x } 0.22 \text{ mm}$ Color On DemandCIE x DemandElegance Yellow Lime Green $0.46$ Lime Green $0.37$ Tiger Orange Galaxy White $0.63$ Galaxy White $0.25$ Ocean Blue $0.14$ 1 or 4 bit $0.14$ 21.1 (W) X 8.0 (H) mm $28.6$ (W) X 17.26 (H) X 1 TAB FOLDED180° $2000:1 \text{ dark ambient}$ $-30^{\circ}C \text{ to } +70^{\circ}C \text{ Operating}$ $2.4 \text{ V} - 3.5 \text{ V (Logic)}$ $12 \text{ V typical (OLED Supple)}$ $0.05 \text{ mW (Sleep Mode)}$ Parallel or Serial (SPI, I <sup>2</sup> C SSD0303 (1-bit), SSD032	1.0 inch0.22 mm x 0.22 mmColor On DemandCIE x CIE x DemandElegance Yellow Image0.46 0.37Lime Green Galaxy White0.37 0.62Galaxy White Ocean Blue0.14 0.171 or 4 bit0.1421.1 (W) X 8.0 (H) mm Z8.6 (W) X 17.26 (H) X 1.7 (T) n TAB FOLDED180°2000:1 dark ambient-30°C to +70°C Operating 2.4 V- 3.5V (Logic) 12V typical (OLED Supply)0.05 mW (Sleep Mode)Parallel or Serial (SPI, I²C), TAB is SSD0303 (1-bit), SSD0323 (4-bit)	1.0 inch0.22 mm x 0.22 mmColor On DemandCIE x CIE x PersonCIE y CIE y Mr2Clegance Yellow Image0.46 0.54 200*0.54 200*Lime Green Galaxy White0.37 0.620.62 120Tiger Orange Galaxy White0.25 0.250.25 60Ocean Blue 0.140.17 0.1730 30 30 1 or 4 bit21.1 (W) X 8.0 (H) mm 28.6 (W) X 17.26 (H) X 1.7 (T) mm TAB FOLDEDV180° 2000:1 dark ambient			

\* 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 <sup>™</sup> 1.0 inch 96x36 OLED Display, Lime Green		
OS096036PP10MO1B10	Q65110A3997	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Tiger Orange		
OS096036PP10MW1B10	Q65110A4518	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Galaxy White		
OS096036PP10MB2B10	Q65110A4000	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Ocean Blue		
4-bit				
OS096036PK10MY0B10	Q65110A3994	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Elegance Yellow		
OS096036PK10MG1B10	Q65110A3993	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Lime Green		
OS096036PK10MO1B10	Q65110A3992	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Tiger Orange		
OS096036PK10MW1B10	Q65110A4517	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Galaxy White		
OS096036PK10MB2B10	Q65110A3995	Pictiva <sup>™</sup> 1.0 inch 96x36 OLED Display, Ocean Blue		

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