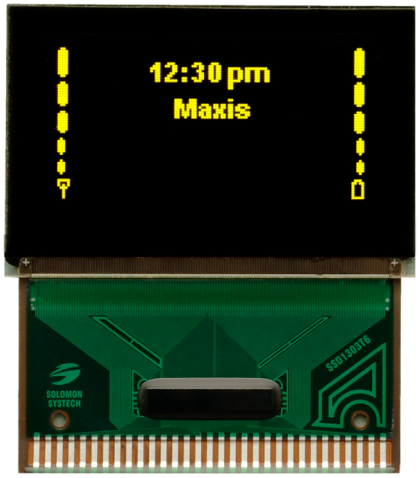
OLED DISPLAY SOLUTIONS

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

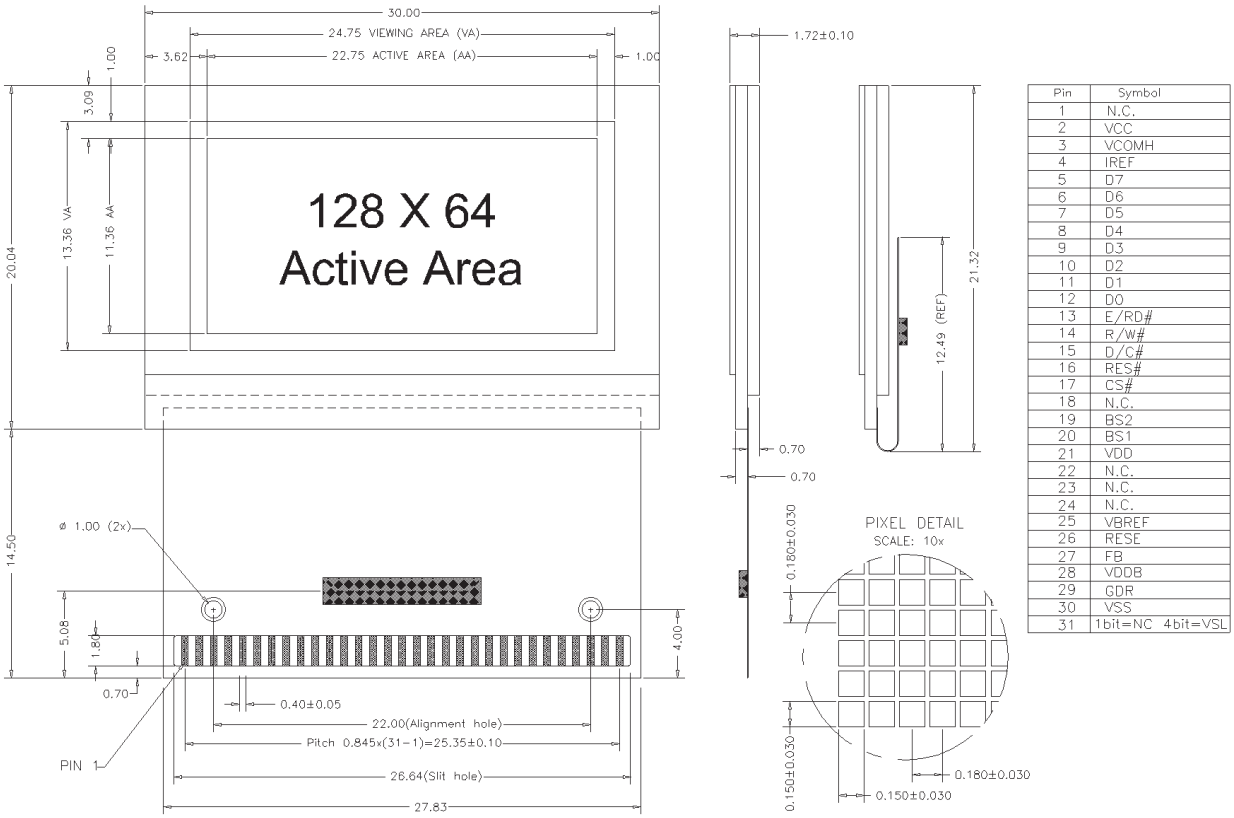
- Mobile Phone Sub-Display
- MP3 Players
- Mobile Consumer Devices

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^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	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) 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



Pin	Symbol
1	N.C.
2	VCC
3	VCOMH
4	IREF
5	D7
6	D6
7	D5
8	D4
9	D3
10	D2
11	D1
12	D0
13	E/RD#
14	R/W#
15	D/C#
16	RES#
17	CS#
18	N.C.
19	BS2
20	BS1
21	VDD
22	N.C.
23	N.C.
24	N.C.
25	VBREF
26	RESE
27	FB
28	VDDB
29	GDR
30	VSS
31	1bit=NC 4bit=VSL

Ordering Information

Part Number	Order Number	Description
1-bit		
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
4-bit		
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

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