Visionox

Passive OLED

M0162X

Graphic 96x16dots

Crystage

Part number list

VGM096016A4□□□

Feature

1.Diagnal 0.84 inch
2.Built-in driver SSD1306BZ
3.Power supply : +2.8V & +12.0V
4.Built-in voltage booster
5.Interface: I2C
6.Temperature operating range: -40 ~70℃
7.Available color : White / Blue

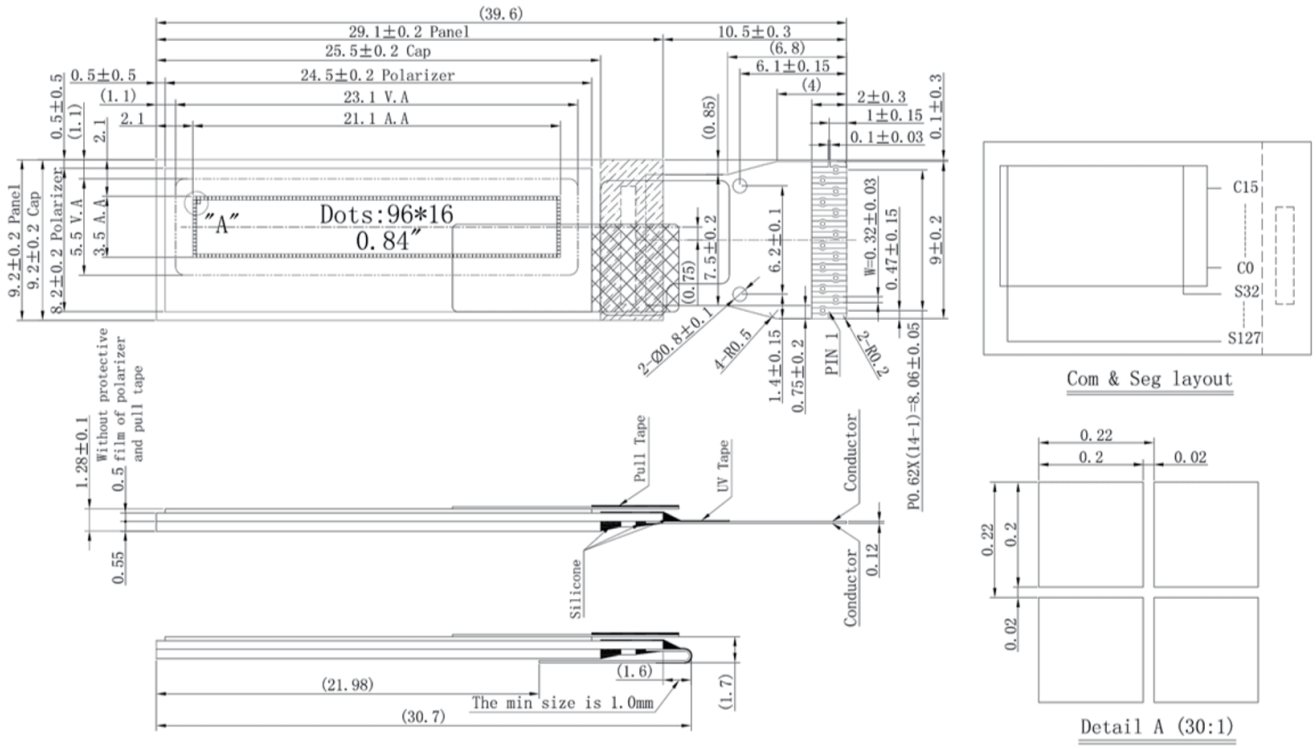
Pin Assignment

Pin No.	Symbol	Description
1	C2P	Connect charge pump capacitor
2	C2N	Connect charge pump capacitor
3	C1P	Connect charge pump capacitor
4	C1N	Connect charge pump capacitor
5	VBAT	Power supply for booster
6	NC	No connection
7	VSS	Ground
8	VDD	Power supply for logic
9	RES	Reset signal
10	SCL	Serial clock
11	SDA	Serial data
12	IREF	Segment current refernce pin
13	VCOMH	COM signal deselected voltage
14	VCC	OLED driving voltage input

Mechanical Data

Item	Standard Value	Unit
Panel Dimension	29.1 x 9.2	mm
Active Area	21.1 x 3.5	mm
Dot Pitch	0.22 x 0.22	mm
Dot Size	0.2 x 0.2	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Logic Voltage	VDD	2.8	V
OLED driving Voltage	VCC	12.0	V

Mechanical Drawing