

Part number list

VGM160080A0 □ □ □

Feature

1. Diagonal 0.96 inch
2. Built-in driver SP8130
3. Power supply : +3.0V & +9.0V
4. No voltage booster
5. Interface: 8080 / 6800 / SPI / I2C
6. Temperature operating range: -40 ~70°C
7. Available color : White (with 16 Gray scale)

Pin Assignment

Pin No.	Symbol	Description
1	NC	No connection
2	VSS	Ground
3~10	D7~D0	Data bus
11	RD	Read enable signal
12	WR	Write enable signal
13	D/C	Data/Command select signal
14	RES	Reset signal
15	CS	Chip select signal
16	IREF	Segment current reference pin
17	BS2	Interface selection pin
18	BS1	Interface selection pin
19	NC	No connection
20	VDD	Power supply for logic
21	VCOMH	COM signal deselected voltage
22	VCC	OLED driving voltage input

Mechanical Data

Item	Standard Value	Unit
Panel Dimension	14.0 x 28.0	mm
Active Area	10.86 x 21.74	mm
Dot Pitch	0.136 x 0.136	mm
Dot Size	0.116 x 0.116	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Logic Voltage	VDD	3.0	V
OLED driving Voltage	VCC	9.0	V

Mechanical Drawing

