QINGYUE 清越

Passive OLED

M0123X

Graphic 160x128dots

Part number list

VGM160128A3□□□

Feature

1.Diagnal 1.92 inch
2.Built-in driver SH1108
3.Power supply : +3.0V & +12.0V
4.No voltage booster
5.Interface: 8080 / 6800 / SPI / I2C
6.Temperature operating range: -40 ~70℃
7.Available color : White

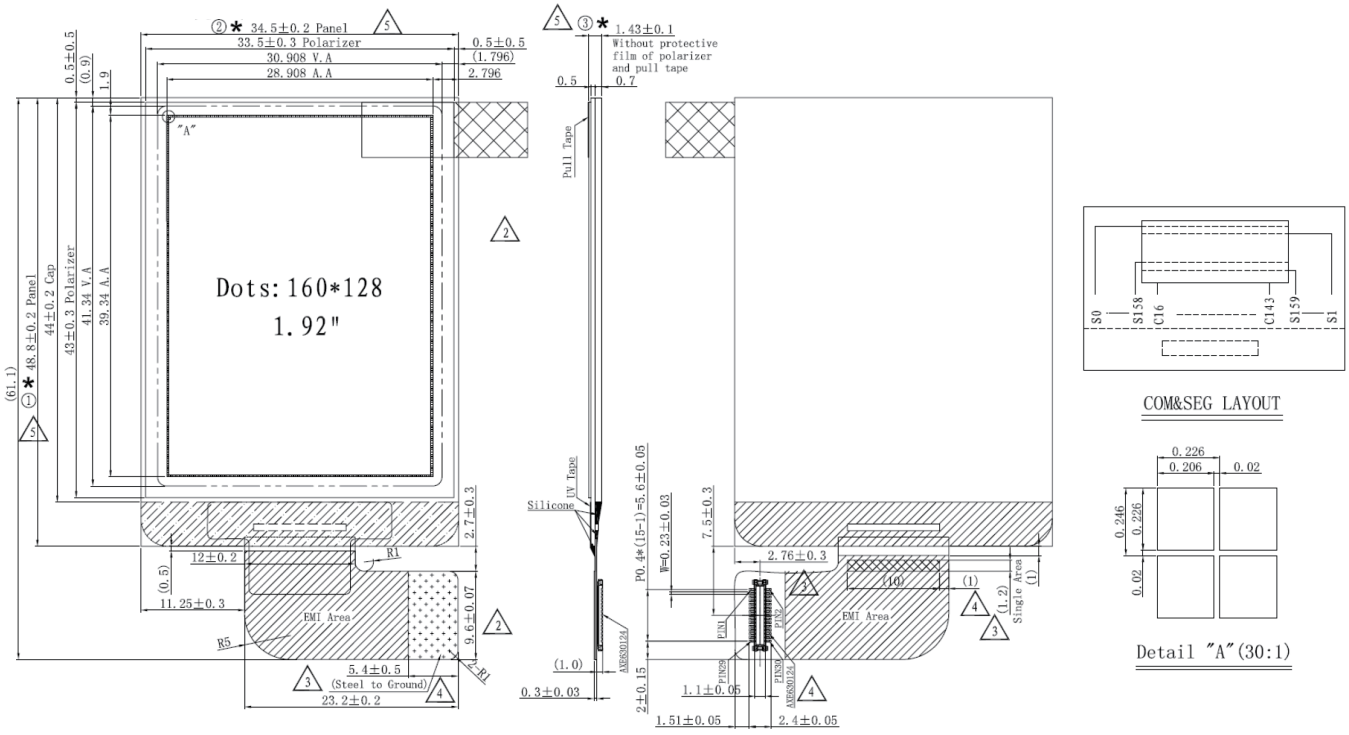
Pin Assignment

Pin No.	Symbol	Description
1	NC	No connection
2	VDD	Power supply for logic
3~4	VSS	Ground
5	NC	No connection
6	VSL	Segment current refernce pin
7	RES	Reset signal
8	VPP	OLED driving voltage input
9	A0	Data/Command select signal
10	CS	Chip select signal
11	WR	Write enable signal
12	IM0	Interface selection pin
13	IREF	Segment current refernce pin
14	IM1	Interface selection pin
15	RD	Read enable signal
16	IM2	Interface selection pin
17	LCD_ID	Logic Ground
18	VSS	Ground
19~26	D0~D7	Data bus
27~28	VSS	Ground
29	VCOMH	COM signal deselected voltage
30	VSEGM	Pre-charge supply voltage

Mechanical Data

Item	Standard Value	Unit
Panel Dimension	34.5 x 48.8	mm
Active Area	28.908 x 39.34	mm
Dot Pitch	0.226 x 0.246	mm
Dot Size	0.206 x 0.226	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Logic Voltage	VDD	3.0	V
OLED driving Voltage	VPP	12.0	V

Mechanical Drawing