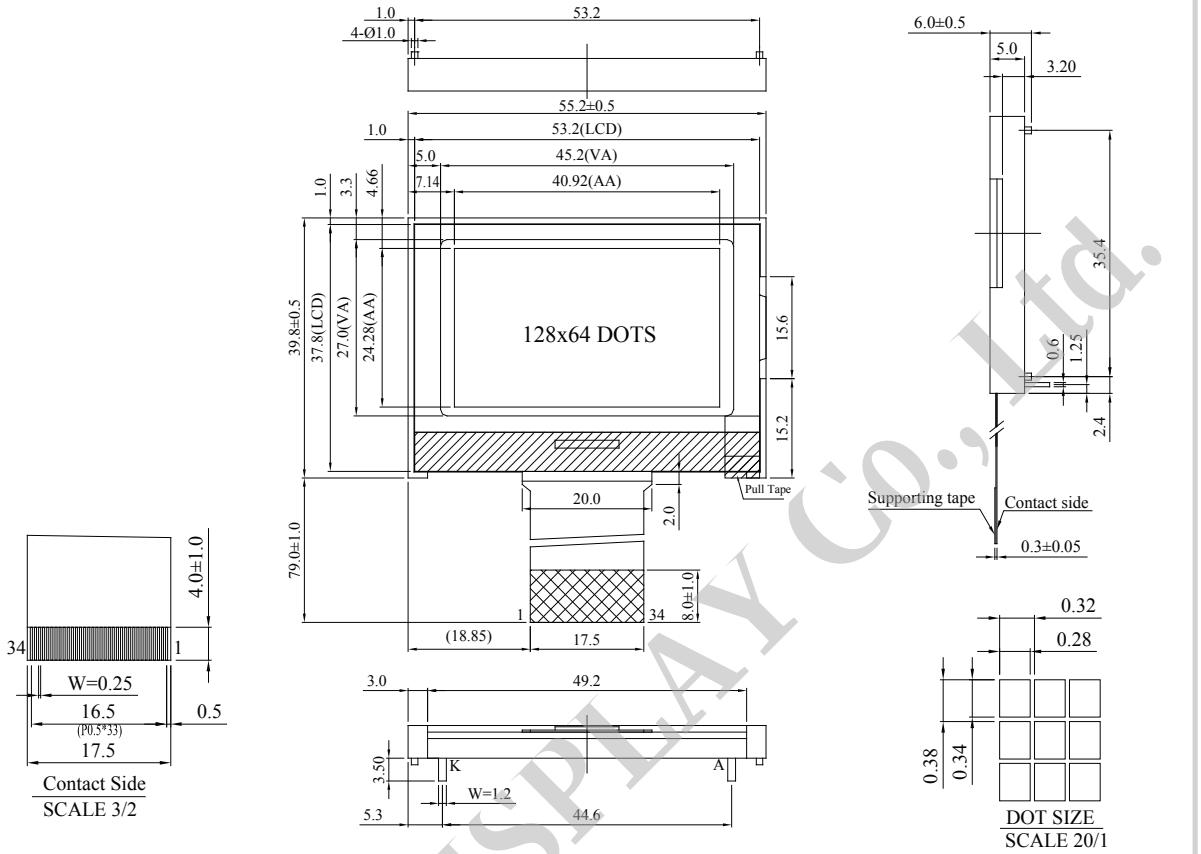
WO12864-XXXC2#FC Character 128x64



WINSTAR DISPLAY Co.,Ltd.

Feature

1. Built-in controller (ST7565P or equivalent)
2. 3.3V power supply
3. 1/64 duty cycle

Pin No.	Symbol	Description
1	IRS	Selects the resistors for the V0 voltage level adjustment
2	/HPM	Control power supply for LCD "H": Normal mode, "L": High power mode
3	P/S	Selects the interface type: Serial or Parallel.
4	C86	Interface selection 6800/8080
5	VR	LCD Contrast Adjustment when IRS = "L"
6~10	V0~V4	Bias voltage levels for LCD driving
11	VRS	This is the internal-output VREG power supply for the LCD power supply voltage regulator.
12	CAP4+	DC/DC voltage converter.
13	CAP2-	DC/DC voltage converter.
14	CAP2+	DC/DC voltage converter.
15	CAP1+	#N/A
16	CAP1-	DC/DC voltage converter.
17	CAP3+	DC/DC voltage converter.
18	CAP5+	DC/DC voltage converter
19	Vout	Positive Voltage output
20	V_{SS}	Ground
21	V_{DD}	Power supply for logic
22~29	D7~D0	#N/A
30	/RD(E)	8080 family: Read signal, 6800 family: Enable clock
31	/WR(RW)	8080 family: Write signal, 6800 family: Read/Write signal
32	A0	Data/ Instruction select signal
33	/RES	Controller reset signal, Active Low
34	/CS1	This is the chip select signal.

Mechanical Data

Item	Standard Value	Unit
Module Dimension	55.2 x 39.8	mm
Viewing Area	45.2 x 27.0	mm
Dot Pitch	0.32 x 0.38	mm
Dot Size	0.28 x 0.34	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Input Voltage	VDD	3.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	Vo-Vss	9.60	V