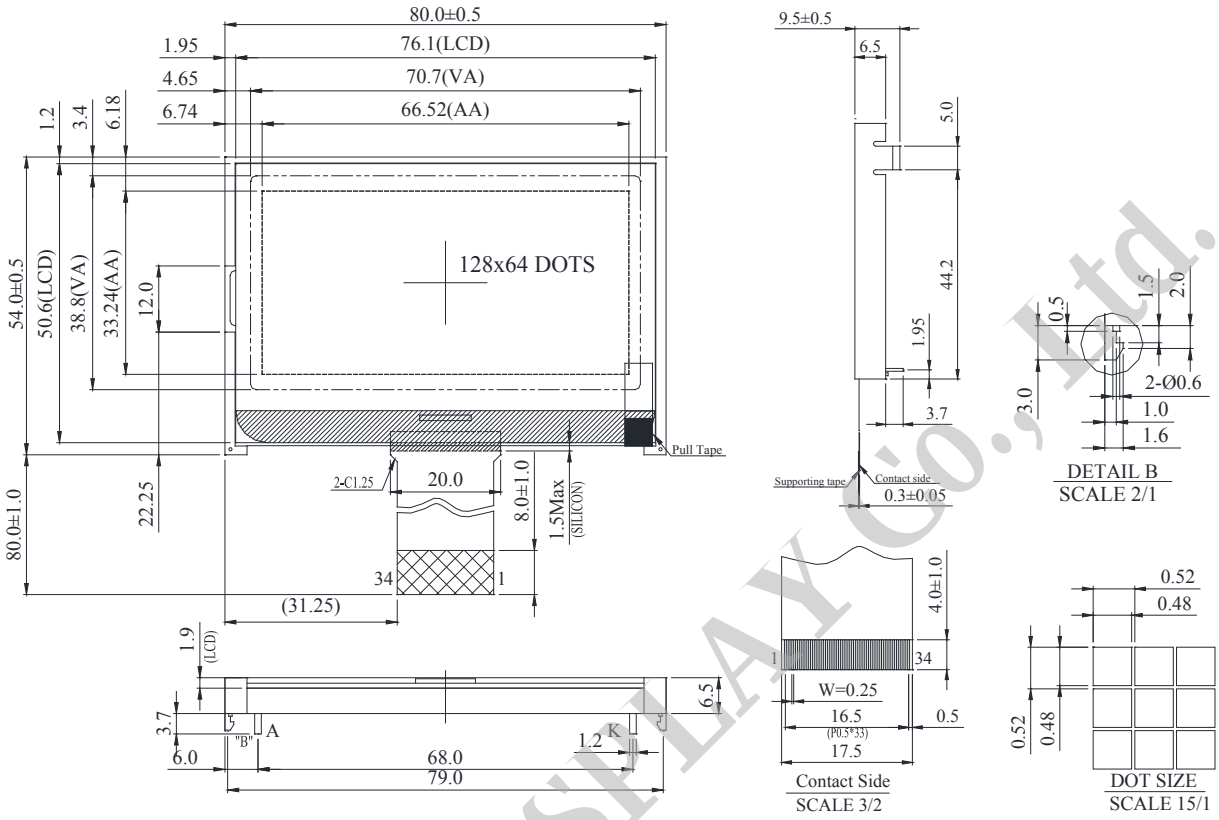
WO12864-XXXD3#FC Character 128x64



Feature

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

Pin No.	Symbol	Description
1	/CS1	The chip select signal
2	/RES	Controller reset signal, Active Low
3	A0	Data/ Instruction select signal
4	/WR(R/W)	8080 family: Write signal, 6800 family: Read/Write signal
5	/RD(E)	8080 family: Read signal, 6800 family: Enable clock
6~13	D0~D7	Data bus line
14	V_{DD}	Power supply for logic
15	V_{SS}	Ground
16	Vout	Positive Voltage output
17	CAP5+	DC/DC voltage converter
18	CAP3+	DC/DC voltage converter.
19	CAP1-	DC/DC voltage converter.
20	CAP1+	#N/A
21	CAP2+	DC/DC voltage converter.
22	CAP2-	DC/DC voltage converter.
23	CAP4+	DC/DC voltage converter.
24	VRS	This is the internal-output VREG power supply for the LCD power supply voltage regulator.
25	V4	Bias voltage levels for LCD driving
26	V3	Bias voltage levels for LCD driving
27	V2	Bias voltage levels for LCD driving
28	V1	Bias voltage levels for LCD driving
29	V0	Bias voltage levels for LCD driving
30	VR	LCD Contrast Adjustment when IRS = "L"
31	C86	Interface selection 6800/8080
32	P/S	Selects the interface type: Serial or Parallel.
33	/HPM	Control power supply for LCD "H": Normal mode, "L": High power mode
34	IRS	Selects the resistors for the V0 voltage level adjustment

Mechanical Data

Item	Standard Value	Unit
Module Dimension	80.0 x 54.0	mm
Viewing Area	70.7 x 38.8	mm
Dot Pitch	0.52 x 0.52	mm
Dot Size	0.48 x 0.48	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Input Voltage	VDD	3.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25ºC	Vo-Vss	10.0	V

WINSTAR DISPLAY Co., Ltd.