

### Part number list

BO12864J□□□□\$

WO12864B1-□□□□-□□#

### Feature

1. Built-in controller ST7565P
2. Built-in oscillation and voltage regulator
3. +3.3V single power supply
4. 6800 / 8080 / SPI interface

### Pin Assignment

Pin No.	Symbol	Description
1	/CS1B	This is the chip select signal.
2	/RES	Controller reset signal, Active Low
3	A0	Data/ Instruction select signal
4	/WR(RW)	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 <sub>DD</sub>	Power supply for logic
15	V <sub>SS</sub>	Ground
16	Vout	Positive Voltage output
17	CAP3P	DC/DC voltage converter.
18	CAP1N	DC/DC voltage converter.
19	CAP1P	DC/DC voltage converter.
20	CAP2P	DC/DC voltage converter.
21	CAP2N	DC/DC voltage converter.
22~26	V4~V0	Bias voltage levels for LCD driving
27	VR	LCD Contrast Adjustment when IRS = "L"
28	C86	Interface selection 6800/8080
29	P/S	Selects the interface type: Serial or Parallel.
30	NC	No connection

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	89.7 x 49.8	mm
Active Area	63.97 x 31.97	mm
Dot Pitch	0.50 x 0.50	mm
Dot Size	0.47 x 0.47	mm

### Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	3.3	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VO	9.45	V

### Mechanical Drawing

