

### Part number list

WO12864C2-□□□-□□#

BO12864K□□□□\$

### Pin Assignment

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 Para I/O.
4	C86	Interface selection 6800/8080
5	VR	LCD Contrast Adjustmnet when IRS = "L"
6~10	V0~V4	Bias voltage levels for LCD driving
11	VRS	This is the internal-outp#VRE G 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	VSS	Ground
21	VDD	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.

### Feature

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

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	55.2 x 39.8	mm
Active Area	40.92 x 24.28	mm
Dot Pitch	0.32 x 0.38	mm
Dot Size	0.28 x 0.34	mm

### Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	3.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VO	9.6	V

### Mechanical Drawing

