

Part number list

BG12864H□□□□□\$

WG12864E-□□□-□□#

WG12864E1-□□□-□□#

Feature

1. Built-in controller NT7108 or equivalent
 2. Built-in oscillation and negative voltage
 3. +5V single power supply
 4. 6800 interface
 5. EL backlight with inverter
 6. (Option) +3V single power supply
 7. (Option) LED backlight model WG12864E1
- Outline 55.0x50.0mm

Pin Assignment

Pin	Symbol	Function
1	Vss	Power supply GND
2	Vdd	+5V(+3V option)
3	Vo	Contrast adjustment
4	D/I	Data/ Instruction
5	R/W	Data read/write
6	E	Enable signal
7~14	DB0~7	Data bus line
15	CS1	Chip enable (segment 1 - 64)
16	CS2	Chip enable (segment 65 - 128)
17	/RST	Reset signal
18	Vee	Negative voltage output
19	BL+	EL backlight power on/off
20	NC	No connection

Mechanical Data

Item	Standard Value	Unit
Module Dimension	54.0 x 50.0	mm
Active Area	40.92 x 26.92	mm
Dot Pitch	0.32 x 0.39	mm
Dot Size	0.28 x 0.35	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	5.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VO	7.8	V

Mechanical Drawing

