

# BG12864J



## Feature

- 1.COB with metal frame
- 2.Built-in controller SBN0064G/6400G
- 3.+5V single power supply, with built-in negative voltage
- 4.1/64 duty cycle
- 5.LED edge B/L
- 6.LED B/L Pins: 23/24, or1/2
- 7.Option: Temperature compensation circuit
- 8.Option: External negative voltage



## Mechanical Data

Item	Standard Value	Unit
Module Dimension	75.0 x 45.8	mm
Viewing Area	61.0 x 38.0	mm
Dot Size	0.42 x 0.50	mm
Dot Pitch	0.44 x 0.52	mm



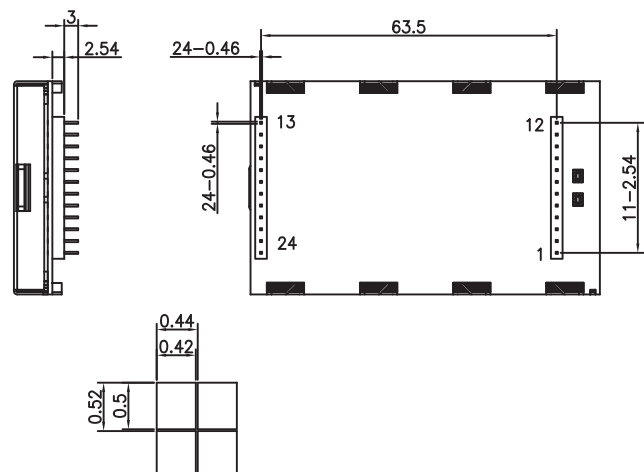
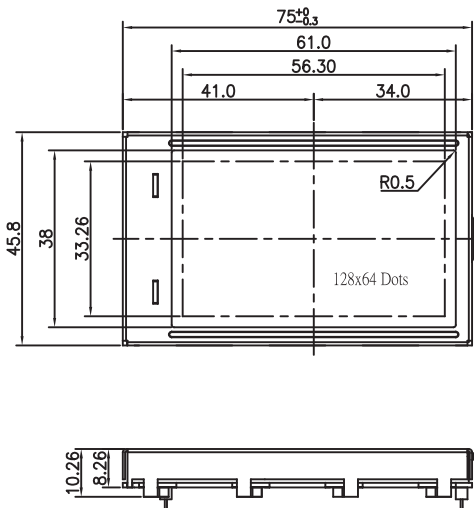
## Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply
3	VO	Operating voltage for LCD
4	/RST	Reset signal
5	D/I	Data/Instruction
6	R/W	Data read/write
7	E1	Enable signal for IC2 (segment 1~64)
8	E2	Enable signal for IC3 (segment 65~128)
9	CS1L	Chip selection for IC2 (segment 1~64)
10	CS1H	
11	CS2L	Chip selection for IC3 (segment 65~128)
12	CS2H	
13	VEE	Negative voltage output
14	NC	No connection
15~22	DB0~BD7	Data bus
23	A	Power supply for B/L ( + )
24	K	Power supply for B/L (GND)

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	3.8	mA
LCD Driving Voltage	Vdd-Vo	25°C	9.0	V

## Dimension



Dot size  
Scale 20:1