BOLYMIN

BG12864A2

Feature

1. COB with metal frame
2. Built-in controller NT7107/NT7108 or equivalent
3. +5V single power supply, with built-in negative voltage
4. 1/64 duty cycle
5. Option: Temperature compensation circuit
6. Option: LED edge RGB
7. Option: +3V single power supply
8. Option: External negative voltage

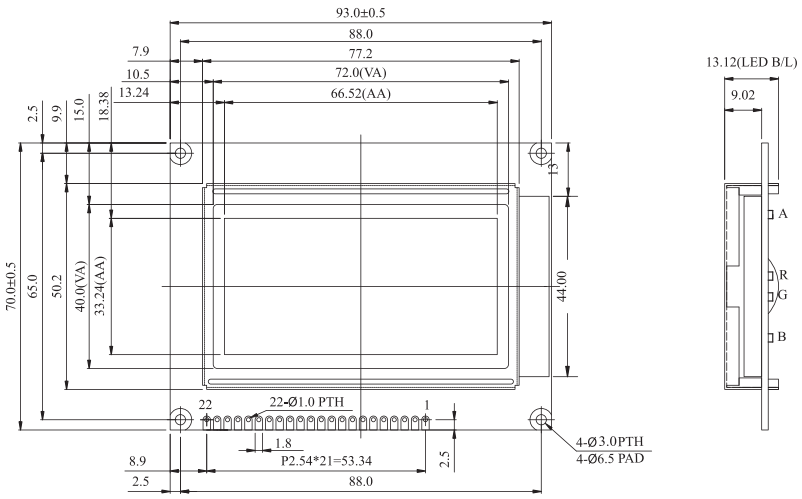
Mechanical Data

Item	Standard Value	Unit
Module Dimension	93.0 x 70.0	mm
Viewing Area	72.0 x 40.0	mm
Dot Size	0.48 x 0.48	mm
Dot Pitch	0.52 x 0.52	mm

Pin Assignment

Pin	Symbol	Function
1	Vdd	+ 5V(+3V option)
2	Vss	GND
3	Vo	Contrast adjustment
4~11	DB0~7	Data bus line
12	CS1	Chip select for IC1
13	CS2	Chip select for IC2
14	/RST	Reset
15	R/W	Data read/write
16	D/I	Data/instruction
17	E	H -> L Enable signal
18	Vee	Negative voltage output(-4.8V)
19	A	Power supply for B/L (+)
20	K(R)	Power supply for B/L (GND)
21	K(G)	Power supply for B/L (GND)
22	K(B)	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	18	mA
LCD Driving Voltage	Vdd-Vo	25°C	8.6	V

Dimension