



# BG12864B

## Feature

1. COB with metal frame
2. Built-in controller ST7920  
(128x64 dots matrix mode or 16x16 dots Big5/GB Chinese mode , or 8x16 dots ASCII mode)
3. +5V single power supply
4. 1/32 duty cycle
5. Option: +3V single power supply
6. Option: LED array/edge B/L, EL B/L

## Chinese Font



## 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	Vss	GND
2	Vdd	+ 5V(+3V option)
3	Vo	Contrast adjustment
4	RS	Register selection signal
5	R/W	Data read/write
6	E	H -> L Enable signal
7~14	DB0~7	Data bus line
15	A	Power supply for B/L (+)
16	K	Power supply for B/L (GND)
17	/RST	Reset LCD module
18	Vee	Positive voltage output +7.5V

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	5.0	mA
LCD Driving Voltage	Vo-Vss	25°C	4.3	V
LED Forward Voltage	Vf	25°C	4.1	V
LED Forward Current	If	25°C	330	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

## Dimension

