

# BG12864C1

## 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: LED array B/L, EL B/L
6. Option: External negative voltage



## Mechanical Data

Item	Standard Value	Unit
Module Dimension	78.0 x 70.0	mm
Viewing Area	62.0 x 44.0	mm
Dot Size	0.40 x 0.56	mm
Dot Pitch	0.44 x 0.60	mm

## Pin Assignment

Pin	Symbol	Function
1	/CS1	Chip select for IC1
2	/CS2	Chip select for IC2
3	Vss	GND
4	Vdd	Power supply (+5V)
5	Vo	Contrast adjustment
6	D/I	Data / instruction
7	R/W	Data read/write
8	E	H -->L Enable signal
9~16	DB0~7	Data bus line
17	/RST	Reset signal
18	Vee	Negative voltage output
19	A	Power supply for B/L (+)
20	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	5	mA
LCD Driving Voltage	Vdd-Vo	25°C	9.0	V
LED Forward Voltage (yellow-green)	Vf	25°C	4.1	V
LED Forward Current	If	25°C	140	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

## Dimension

