

BG12864K

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/edge B/L
6. Option: +3V single power supply
7. Option: negative voltage

Mechanical Data

Item	Standard Value	Unit
Module Dimension	99.5 x 50.2	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	Ground
2	Vdd	Supply voltage for logic
3	VO	Operating voltage for LCD
4	D/I	H: Data, L: Instruction
5	R/W	H: Read(MPU←Module), L: Write(MPU→Module)
6	E	Enable signal
7~14	DB0~DB7	Data bus line
15	CS1	Chip Select for IC1
16	CS2	Chip Select for IC2
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	8.8	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	330	mA

Dimension

