

BG12832C

Feature

- 1.SMT PCB with metal frame
- 2.Built-in Controller NT7107/NT7108 or equivalent
- 3.+5V power supply
- 4.1/32 duty cycle
- 5.Option: LED backlight
- 6.Operating temperatures: -20°C to 70°C

Mechanical Data

Item	Standard Value	Unit
Module Dimension	75 x 41.5	mm
Viewing Area	60.0 x 21.3	mm
Dot Size	0.4 x 0.48	mm
Dot Pitch	0.43 x 0.51	mm



Pin Assignment

Pin	Symbol	Function
1	Vdd	Supply voltage for logic
2	Vss	GND
3	V _{LC}	Supply voltage for logic
4~11	DB0~7	Data bus line
12	CS	Chip select, active low
13	RST	Reset signal, active low
14	R/W	H: Read(MPU←Module) L :Write(MPU→Module)
15	D/I	H: Data , L: Instruction
16	E	Enable signal, active high
17	FGND	Frame ground
18	NC	No connection
19	LEDA	Power supply for B/L (+)
20	LEDB	Power supply for B/L (GND)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	I _{dd}	Vdd = +5V	2.8	mA
LCD Driving Voltage	Vdd-V _{LC}	25°C	12.8	V
LED Forward Voltage (yellow-green)	V _f	25°C	4.2	V
LED Forward Current	I _f	25°C	60	mA

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Dimension

