

# BG12832A

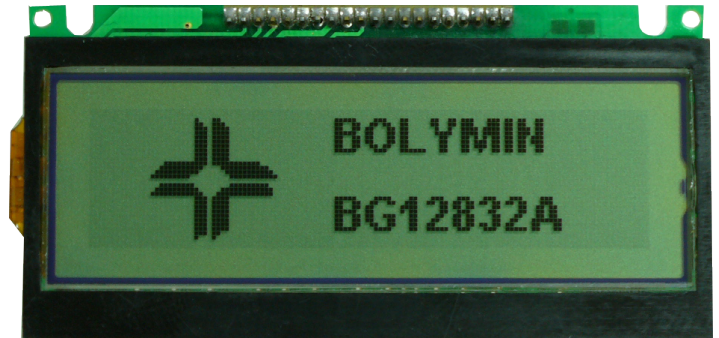


## Feature

1. COB with Plastic frame
2. No built-in oscillation
3. Built-in controller S1D15601
4. 1/32 duty cycle
5. + 3.3V single power supply
6. Option: LED edge B/L

## Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 29.3	mm
Viewing Area	56.3 x 19.4	mm
Dot Size	0.345 x 0.345	mm
Dot Pitch	0.375 x 0.375	mm



## Pin Assignment

Pin	Symbol	Function
1	/RES	L:Reset
2	VBATT	Voltage Supply for Heater
3	R THERM	Resistance of PTC Thermistor to Vss
4	A	LED B/L V <sub>b1</sub> (+3.3V)
5	/CS	L:Chip Select Input
6	A0	A0 = "L" INSTRUCTION REGISTER
7	VDD	Power Supply (+3.3V)
8	VSS	Ground
9	K	L:Turn on Backlight
10	VBATT RETURN	Return path for Heater voltage
11	/WR	L: 80-Series MPU and 68-Series MPU Write data H: 68-Series MPU read data
12	/RD	L: 80-Series MPU Read data H: 68-Series MPU enable input
13~20	D0~D7	Bi-directional Data I/O Pin

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	V <sub>dd</sub>	V <sub>dd</sub> = +5V	3.3	V
Supply Current	I <sub>dd</sub>	V <sub>dd</sub> = +5V	1.0	mA
LCD Driving Voltage	V <sub>dd-Vo</sub>	25°C	5.0	V
LED Forward Voltage	V <sub>f</sub>	25°C	2.1	V
LED Forward Current	I <sub>f</sub>	25°C	40	mA

## Dimension

