

# BO2002B

## Feature

1. COG package
2. 5x7 dot with cursor
3. Built-in controller ST7036i
4. +3V single power supply
5. 1/16 duty cycle
6. I2C series interface



## Mechanical Data

Item	Standard Value	Unit
Module Dimension	153.0 x 35.0	mm
Viewing Area	149.0 x 23	mm
Dot Size	1.12 x 1.12	mm
Character Size	6.0 x 9.66	mm

## Pin Assignment

Pin	Symbol	Function
1	VOUT	DC-DC voltage converter ,Connect a capacitor between this terminal And VIN when the built-in booster is used.
2	CAP-	For voltage booster circuit (VDD-VSS)
3	CAP+	External capacitor about 0.1uf to 4.7uf
4	VDD	Power supply
5	VSS	GND
6	SDA	Serial data input
7	SCL	Serial clock input
8	RST	External reset pin

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +3.0V	3.0	V
Supply Current	Idd	Vdd = +3.0V	0.5	mA
LCD Driving Voltage	V <sub>LCD</sub>	25°C	4.5	V

## Dimension

