



BC1602F

Feature

- COB with metal frame
- 5x7 dots with cursor
- Built-in controller ST7066 or equivalent
- + 5V single power supply
- 1/16 duty cycle
- LED B/L pins: A/K, or 1/2
- Option: LED array/edge B/L, EL B/L
- Option: +3V single power supply
- Option: Negative Voltage
- Option: LCD Vop fix on 5V (-20°C~+70°C)**



Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0 x 32.6	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.56 x 0.66	mm
Character Size	2.96 x 5.56	mm

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V (+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	H/L read/write signal
6	E	H --> L enable signal
7~14	DB0~7	H/L data bus line

Electronic Characteristics

Item	Symbol	Condition	Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	1.2	mA
LCD Driving Voltage	Vdd-Vo		TYP	Option
		70°C	3.6	5.0
		25°C	4.0	5.0
		-20°C	5.0	5.0
LED Forward Voltage(yellow-green)	Vf	25°C	4.2	V
Array LED Forward Current	If	25°C	100	mA
Edge LED Forward Current	If	25°C	20	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

Dimension

