

# BC1601A



## Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller ST7066 or equivalent
4. + 5V single power supply
5. 1/16 duty cycle
6. LED B/L pins:15/16, or A/K, or 1/2
7. Option: LED array/edge B/L , EL B/L
8. Option: +3V single power supply
9. Option: negative voltage



## Mechanical Data

Item	Standard Value	Unit
Module Dimension	80.0 x 36.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.75	mm
Character Size	3.07 x 6.56	mm

## Pin Assignment

Pin	Symbol	Function
1	V <sub>ss</sub>	GND
2	V <sub>dd</sub>	+5V(+3V option)
3	V <sub>o</sub>	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
15	A/V <sub>ee</sub>	Power Supply for B/L(+)/ Negative voltage output
16	K	Power supply for B/L (GND)

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	V <sub>dd</sub>	V <sub>dd</sub> = +5V	5.0	V
Supply Current	I <sub>dd</sub>	V <sub>dd</sub> = +5V	1.2	mA
LCD Driving Voltage	V <sub>dd</sub> -V <sub>o</sub>	25°C	4.5	V
LED Forward Voltage(yellow-green)	V <sub>f</sub>	25°C	4.2	V
LED Forward Current	I <sub>f</sub>	25°C	110	mA
EL Power Voltage	V <sub>el</sub>	V <sub>el</sub> =110Vac/400Hz		V

## Dimension

