BOLYMIN

BC1602B3

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: A/K, or 1/2, F=RGB, K=edge LED/Green pure
7. Option: LED, EL B/L, A=Arabic/English
8. Option: +3V single power supply
9. ***Option: LCD Vop fix on 5V (-20°C~+70°C)***
10. Option: Negative Voltage

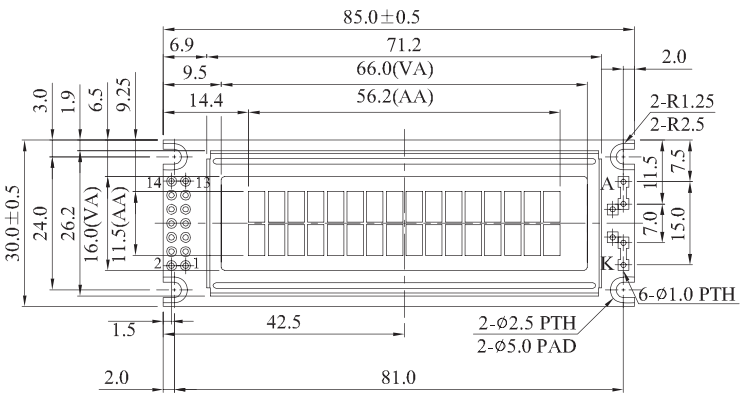
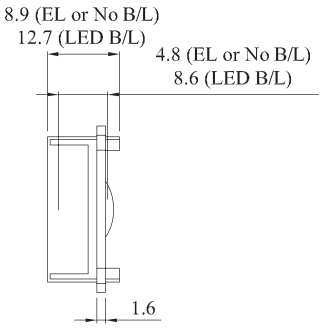
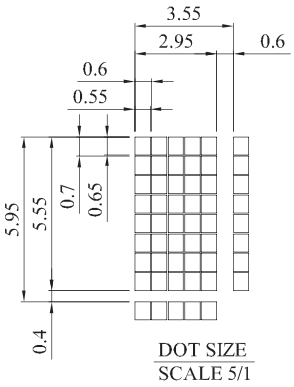
Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0 x 30.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.65	mm
Character Size	2.95 x 5.55	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*	V
		70°C	3.6	***5.0***	
		25°C	4.0	***5.0***	
		-20°C	5.2	***5.0***	
LED Forward Voltage(yellow-green)	Vf	25°C	4.2		V
Array LED Forward Current	If	25°C	100		mA
EL Power Voltage	Vel	Vel=110Vac/400Hz			V

Dimension