BOLYMIN

BC1602H

Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller KS0066 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 (built-in, external)
10. ***Option: LCD Vop fix on 5V (-20°C~+70°C)***

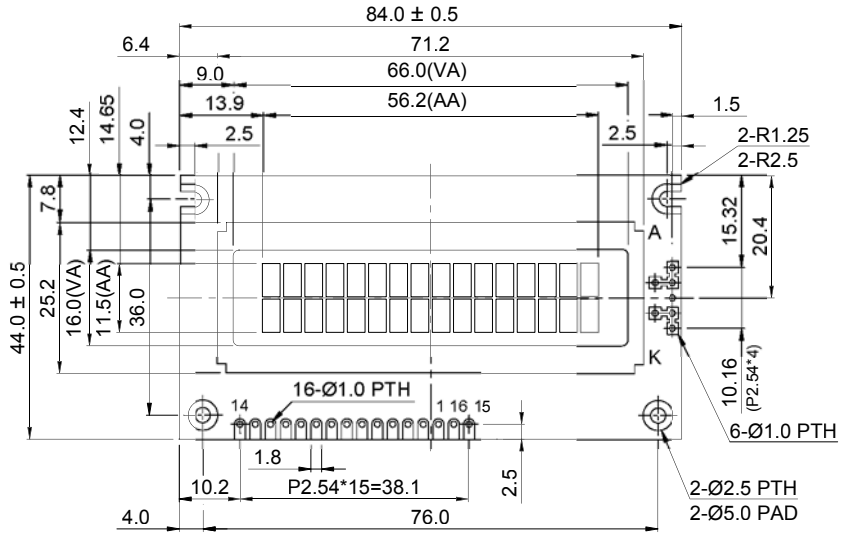
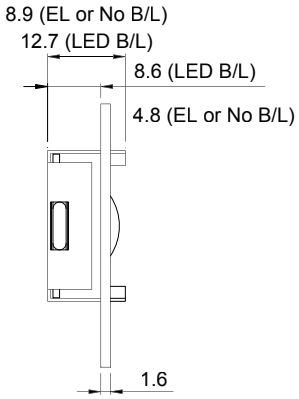
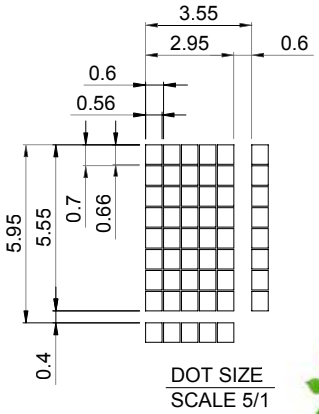
Mechanical Data

Item	Standard Value	Unit
Module Dimension	84.0 x 44.0	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
15	A/Vee	Power supply for B/L (+)/ Negative voltage output
16	K	Power supply for B/L (GND)

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	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