BOLYMIN

BC1602K

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. Option:+3V single power supply
7. Option:negative voltage built-in

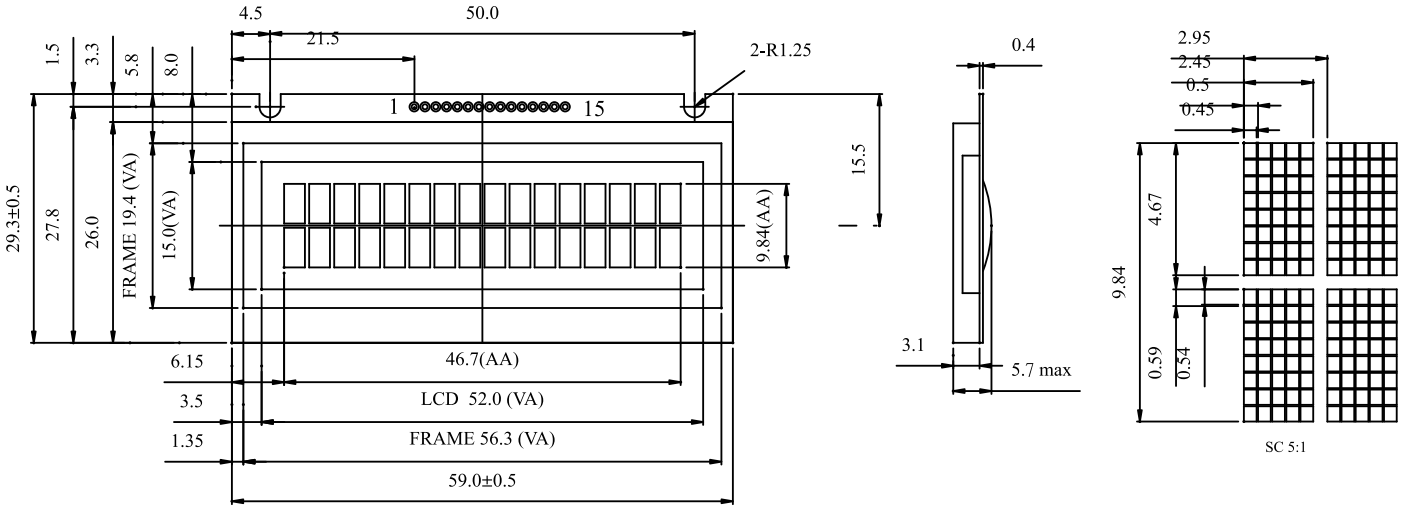
Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 29.3	mm
Viewing Area	52.0 x 15.0	mm
Dot Size	0.45 x 0.54	mm
Character Size	2.54 x 4.67	mm

Pin Assignment

Pin	Symbol	Function
1	LED(-)	Power supply for B/L(-)
2	Vss	GND
3	Vdd	+5V
4	Vo	Contrast adjustment
5	RS	H/L register select signal
6	R/W	H/L read/write signal
7	E	H-->L enable signal
8~15	DB0~7	H/L data bus line

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	1.2	mA
LCD Driving Voltage	Vdd-Vo	25°C	4.2	V
LED Forward Voltage	Vf	25°C	2.1	V
LED Forward Current	If	25°C	40	mA

Dimension