BC4004A

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: 17/18, or A/K, or 13/14
7. Option: LED, EL B/L
8. Option: +3V single power supply
9. Option: negative voltage (built-in, external)

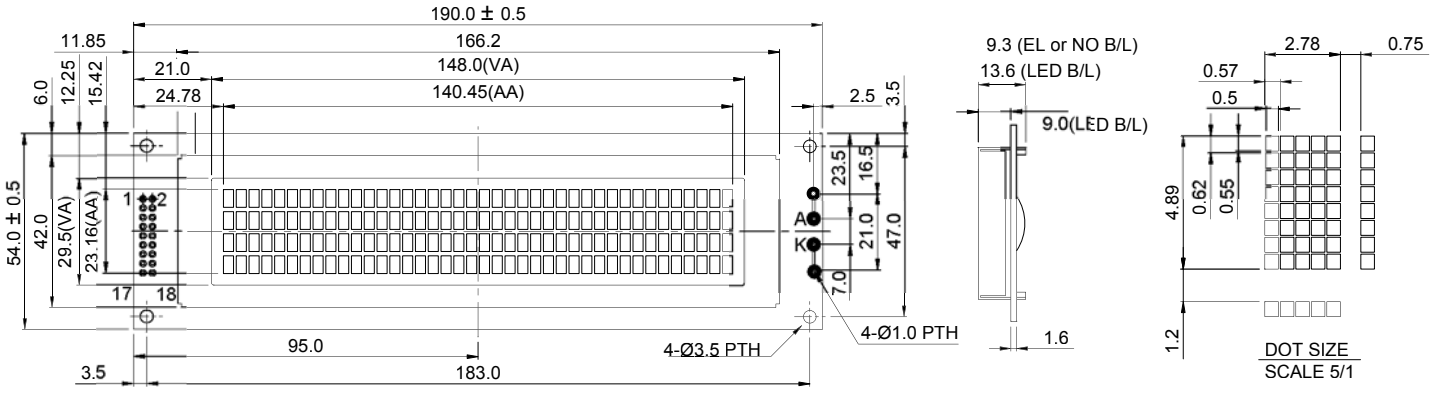
Mechanical Data

Item	Standard Value	Unit
Module Dimension	190.0 x 54.0	mm
Viewing Area	147.0 x 29.5	mm
Dot Size	0.5 x 0.55	mm
Character Size	2.78 x 4.89	mm

Pin Assignment

Pin	Symbol	Function
1~8	DB7~0	Data bus line
9	E1	H --> L enable signal ic1
10	R/W	H/L read/write
11	RS	register select
12	Vo	contrast adjustment
13	Vss	GND
14	Vdd	+5V(+3V option)
15	E2	H --> L enable signal ic2
16	NC/Vee	NC/Negative voltage output
17	A	Power supply for B/L (+)
18	K	Power supply for B/L (GND)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	3.0	mA
LCD Driving Voltage	Vdd-Vo	25°C	4.5	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	600	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

Dimension