

BC1602D



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
10. *Option: LCD Vop fix on 5V (-20 °C~+70 °C)*

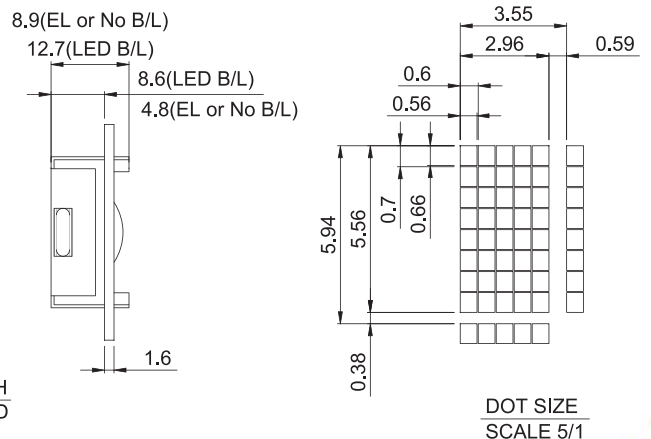
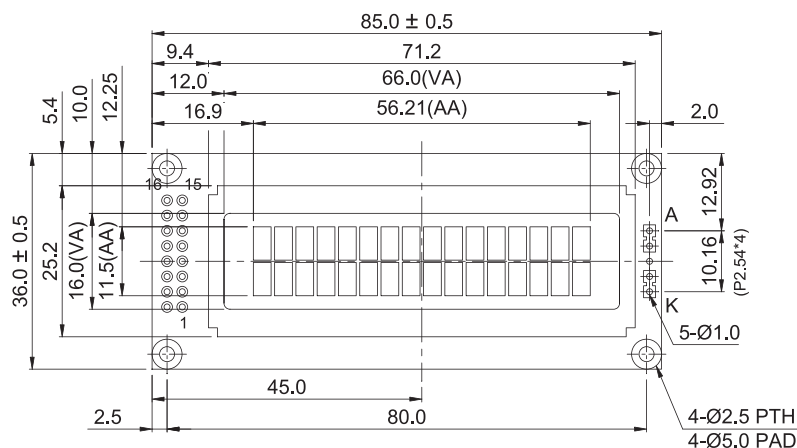
Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0 x 36.0	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)

Dimension



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	70 °C	TYP 3.6 Option 5.0	V
		25 °C	4.0 5.0	
		-20 °C	5.0 5.0	
LED Forward Voltage(yellow-green)	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