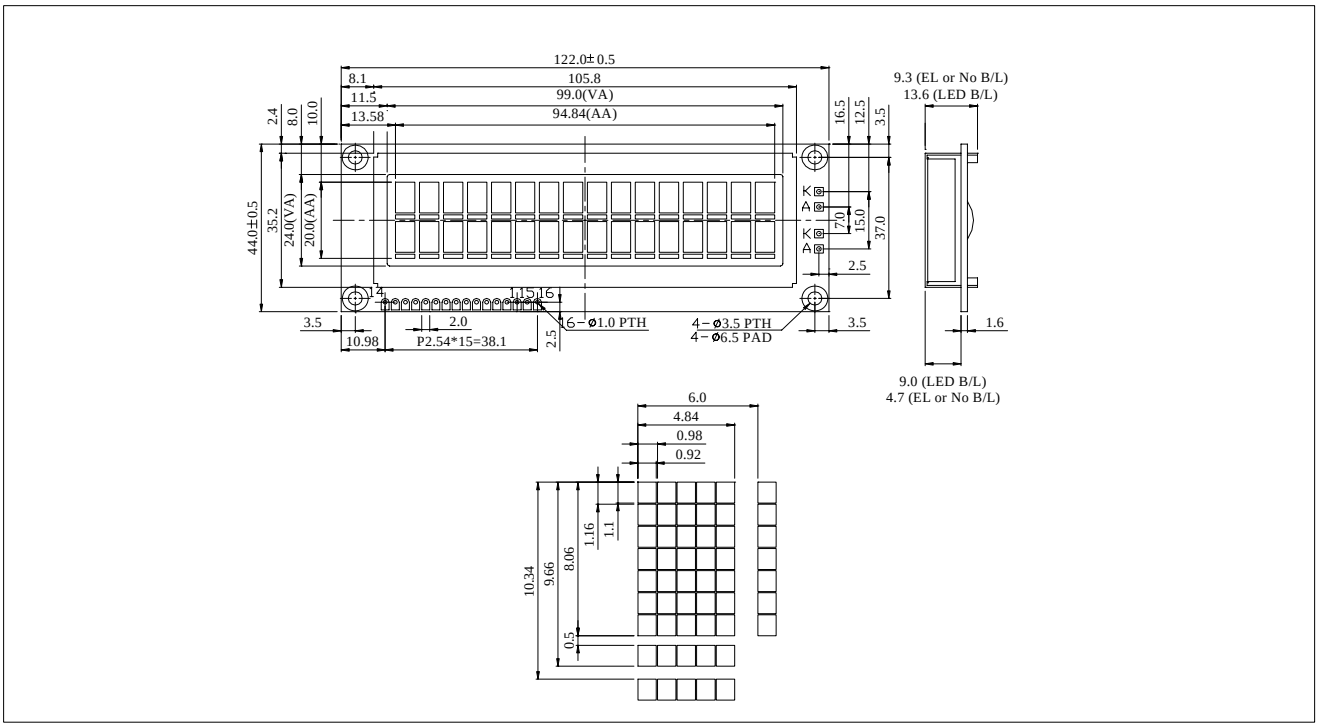
MODEL : SAC1602E Character : 16 Characters x 2 Lines

Dimension



FEATURE

1. 5X8 dots character
2. Logic Power +5v(+3V) Input
3. Built in ST7066U Controller
4. 1/16 Duty

INTERFACE FUNCTIONS

Pin NO	Symbol	Function
1	VSS	0V Logic GND
2	VDD	5V Logic Power
3	VO	LCD Operating Volt.
4	RS	Command/Data Select
5	RW	Read/Write
6	E	Enable
7	D0	Data Bus
8	D1	Data Bus
9	D2	Data Bus
10	D3	Data Bus
11	D4	Data Bus
12	D5	Data Bus
13	D6	Data Bus
14	D7	Data Bus
15	A	LED B/L V+
16	K	LED B/L V-

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	122.0 * 44.0	mm
Viewing Area	99.0 * 24.0	mm
Character Size	4.84 * 8.06	mm
Dot Size	0.92 * 1.1	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	VDD-VSS	2.5	5.0	5.5	V
Input Voltage	VIH	0.7Vdd	Vdd	Vdd+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VDD	25℃	2.7	5.0	5.3	V
Supply Current	IDD	25℃	0.8	1.2	1.5	mA
LCD Driving Voltage for	VDD-VO	-20℃	4.6	4.8	5.2	V
		0℃	4.0	4.4	4.6	
		25℃	3.8	4.2	4.4	
		50℃	3.6	3.8	4.0	
		70℃	3.4	3.6	3.8	
LED Forward Voltage	VF	25℃	4.0	4.2	4.5	V
LED Forward Current	IF	25℃	220	280	320	mA