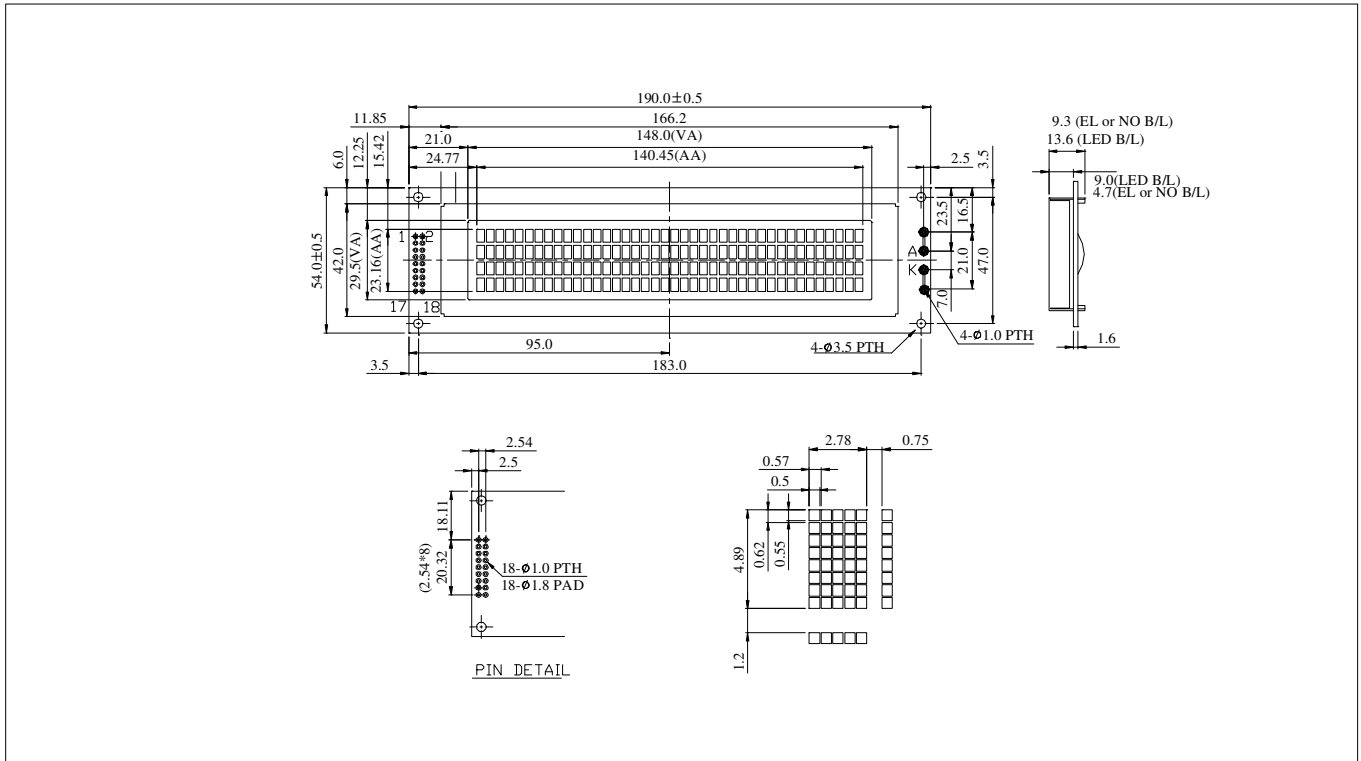


Dimension



FEATURE

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

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	190.0 * 54.0	mm
Viewing Area	148.0 * 29.5	mm
Character Size	2.78 * 4.89	mm
Dot Size	0.5 * 0.55	mm

INTERFACE FUNCTIONS

Pin NO	Symbol	Function
1	D7	Data Bus
2	D6	Data Bus
3	D5	Data Bus
4	D4	Data Bus
5	D3	Data Bus
6	D2	Data Bus
7	D1	Data Bus
8	D0	Data Bus
9	E1	Enable Upper 40*2 character
10	R/W	Read/Write
11	RS	Data/Command Select
12	Vo	Contrast Adjust
13	VSS	Logic Power GND
14	VDD	Logic Power 5V
15	E2	Enable Lower 40*2 character
16	VEE	DC-DC Output -5V
17	A	LED B/L V+
18	K	LED B/L V-

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°C	2.7	5.0	5.3	V
Supply Current	IDD	25°C	1.5	2.0	3.0	mA
LCD Driving Voltage for	VDD-VO	-20°C	4.8	5.0	5.2	V
		0°C	4.4	4.6	4.8	
		25°C	4.1	4.3	4.5	
		50°C	3.8	4.0	4.2	
		70°C	3.6	3.8	4.0	
LED Forward Voltage	VF	25°C	4.0	4.2	4.5	V
LED Forward Current	IF	25°C	400	600	800	mA