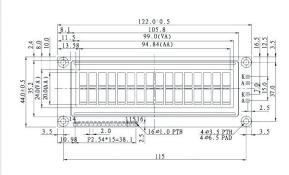
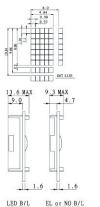


Character 16x2 WH1602L

Dimension drawing





Feature

- 1. 5x8 dots includes cursor 2. Built- in controller (KS 0066 or Equivalent)
- 3. +5V power supply (Also available for +3V)
- 4. 1/16 duty cycle
- 5. LED can be driven by pin1,pin2, or pin15,pin16 or A and K
- 6. N.V. optional for +3V power supply

Pin NO.	Symbol	Function			
1	Vss	GND			
2	Vdd	+3V or + 5V			
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	DB0	H/L Data bus line			
8	DB1	H/L Data bus line			
9	DB2	H/L Data bus line			
10	DB3	H/L Data bus line			
11	DB4	H/L Data bus line			
12	DB5	H/L Data bus line			
13	DB6	H/L Data bus line			
14	DB7	H/L Data bus line			
15	A/Vee	+4.2V for LED(RA=0Ω)/Negative Voltage output			
16	K	Power supply for B/L (0V)			

Mechanical Data

Item	Standard Value	Unit	
Module Dimension	122.0x44.0	mm	
Viewing Area	99.0x24.0	mm	
Mounting hole	115 x 37.0	mm	
Character Size	4.84x9.66	mm	

Absolute Maximum Rating

Item	Sumb at	Stan			
item	Symbol	min.	typ.	max.	Unit
Power Supply	VDD-VSS	-0.3		7.0	V
Input Voltage	VI	-0.3		VDD	V

Electronical Characteristics

Item	0	Condition		Standard Value			
item	Symbol			min.	in. typ.	max.	Unit
Input Voltage	VDD	VDD=+5V		4.7	5.0	5.3	٧
Supply Current	IDD	VDD=5V			1.6	1.5	mA
		-20°C				5.2	v
Recommended LC Driving	VDD-V0	0°C		4.2 4.2		4.5	
Voltage for Normal Temp.		25°C			4.2		
Version module		50°C		3.8			
		70°C		3.5			
LED Forward Voltage	VF	25°C			4.2	4.6	٧
LED Forward Current	IF	25°C	Array		260	520	
EL Power Supply Current	IEL	Vel=110VAC;400Hz				5.0	mA

Display Character Address Code: Display position

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 DD RAM Address 00 01 DD RAM Address 40 41

