





Feature

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

Pin NO.	Symbol	Function		
1	Vss	GND		
2	Vdd	+ 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		

Mechanical Data

Item	Standard Value	Unit	
Module Dimension	58.0 x 32.0	mm	
Viewing Area	38.0x16.0	mm	
Mounting hole	53.0x 27.0	mm	
Character Size	2.96 x 5.56	mm	

Absolute Maximum Rating

14	Cumhal	Stan	11-14			
Item	Symbol	min.	typ.	max.	Unit	
Power Supply	VDD-VSS	-0.3		7.0	٧	
Input Voltage	VI	-0.3		VDD	V	

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Stan			
item			min.	typ.	max.	Unit
Input Voltage	VDD	VDD=+5V	4.7	5.0	5.3	V
Supply Current	IDD	VDD=+5V		1.5	1.7	mA
	VDD-V0	-20°C	4.9	5.2	5.5	V
Recommended LC Driving Voltage for Normal Temp. Version module		0°C	4.5	4.8	5.1	
		25°C	4.1	4.4	4.7	
		50°C	3.8	4.2	4.4	
		70°C	3.5	4.0	4.1	
LED Forward Voltage	VF	25°C	10000	4.2	4.6	V
LED Forward Current	IF	25°C		70	140	mA
EL Power Supply Current	IEL	Vel=110VAC;400Hz			5.0	Vrms

Display Character Address Code:

Display position

