



Feature

1. 5x7 dots includes cursor
2. Built-in controller (KS0066 or Equivalent)
3. +5V power supply
4. 1/16 duty cycle
5. LED to be driven by pin 1, pin 2, or A and K

Pin Assignment

Pin	Symbol	Function
1	Vdd	Power Supply (+5V)
2	Vss	GND
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	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line

Mechanical Data

Item	Standard Value	Unit
Module Dimension	55.0 x 33.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.65	mm
Character Size	2.95 x 5.55	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	--	7.0	V
Input Voltage	VI	-0.3	--	VDD	V

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

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit	
			min.	typ.	max.		
Input Voltage	VDD	VDD=+5V	4.7	5.0	5.3	V	
Supply Current	IDD	VDD=+5V	--	1.2	1.5	mA	
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	--	--	5.2	V	
		0°C	--	--	4.2		
		25°C	--	3.8	--		
		50°C	3.5	--	--		
		70°C	3.2	--	--		
LED Forward Voltage	V _F	25°C	--	4.2	4.6	V	
LED Forward Current	IF	25°C	Array	---	130	260	mA
			Edge	---	20	40	
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														0F
DD RAM Address	40	41														4F