



## Feature

1. 5x8 dots includes cursor
2. Built-in controller(ST7066U or equivalent)
3. +5V power supply(Also available for +3.3V)
4. 1/16duty cycle
5. B/L can be driven by PIN 15,16 OR A and K

## Terminal Function

Pin No.	Symbol	Function
1	V <sub>SS</sub>	GND
2	V <sub>DD</sub>	Supply voltage for logic
3	V <sub>0</sub>	Contrast Adjustment
4	RS	Register select signal
5	R/W	Read / write signal
6	E	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
15	A/V <sub>ee</sub>	Backlight LED+/Negative Voltage output
16	K	Backlight LED-

## Mechanical Data

Item	Value
Outline (mm)	122.0 x 44.0x13.6MAX
Viewing Area (mm)	99.0 x 24.0
Active Area (mm)	94.84x 20.0
Dot Size (mm)	0.92 x 1.1
Dot Pitch (mm)	0.98 x 1.16

## Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	V <sub>DD</sub>	4.7	5.0	5.3
Supply Voltage For LCD	V <sub>DD</sub> -V <sub>0</sub>	—	4.2	—
Input High Voltage(V)	V <sub>IH</sub>	0.7 V <sub>DD</sub>	—	V <sub>DD</sub>
Input Low Voltage(V)	V <sub>IL</sub>	V <sub>SS</sub>	—	0.6
Operating Current(mA)	I <sub>DD</sub>	—	1.2	1.5

## Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>F</sub>	--	5.0	--
Forward Current (mA)	I <sub>F</sub>	--	32	40

## Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	V <sub>DD</sub> -V <sub>SS</sub>	-0.3	7.0
Operating Temperature(°C)	Top	-20	+70
Storage Temperature (°C)	T <sub>st</sub>	-30	+80