



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 pin15,pin16,or A and K

Terminal Function

Pin	Symbol	Function
1	V _{SS}	GND
2	V _{DD}	Supply voltage for logic
3	V ₀	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	Backlight LED+
16	K	Backlight LED-

Mechanical Data

Item	Value
Outline (mm)	58*32*13.5MAX
Viewing Area (mm)	38*16
Active Area (mm)	27.81*11.5
Dot Size (mm)	2.96*5.56
Dot Pitch (mm)	3.55*5.56

Electrical Characteristics

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

Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _F	—	5.0	--
Forward Current (mA)	I _F	—	16	20

Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	V _{DD} -V _{SS}	-0.3	7.0
Operating Temperature(°C)	Top	-20	70
Storage Temperature(°C)	T _{st}	-30	80