Feature

1. Built-in controller(ST7920 or equivalent)	
2. +5V power supply(Also available for +3.3V)	
3. 1/64duty cycle	
4. B/L can be driven by pin1,pin2,or A and K	

Terminal Function

Pin No.	Symbol	Function
1	Vss	GND
2	VDD	Supply voltage for logic
3	V0	Contrast Adjustment
4	RS(CS)	Data/instruction (Chip select)
5	R/W(SID)	Data read/write (Serial data input)
6	E(SCLK)	Enable signal (Serial clock)
7-14	DB0-DB7	Data bus line
15	PSB	H:parallel mode L:serial mode
16	NC	No connection
17	/RST	Reset signal
18	Vee	Negative Voltage output
19	A	Backlight LED+
20	K	Backlight LED-

Mechanical Data

Item	Value
Outline (mm)	93.0 x70.0x13.6MAX
Viewing Area (mm)	72.0x40.0
Active Area (mm)	66.52x33.24
Dot Size (mm)	0.48x 0.48
Dot Pitch (mm)	0.52x 0.52

Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	V_{DD}	4.7	5.0	5.3
Supply Voltage For LCD	V_{DD} -V0	—	6.0	—
Input High Voltage(V)	VIH	$0.7 V_{DD}$	—	V_{DD}
Input Low Voltage(V)	V_{IL}	V_{SS}	—	0.6
Operating Current(mA)	I_{DD}	—	3.0	3.9

Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VF	--	5.0	--
Forward Current (mA)	IF	--	64	80

Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	VDD-VSS	-0.3	7.0
Operating Temperature(℃)	Top	-20	+70
Storage Temperature(℃)	Tst	-30	+80