



Feature

- 1. 128x64 dots includes cursor
- 2. Built-in controller(SBN0064,SBN6400 or equivalent)
- 3. +5V power supply(Also available for +3V)
- 4. 1/64 duty cycle
- 5. LED can be driven by pin1, pin2, or A and K

Mechanical Data

Item	Value	Unit
Outline	95.5 x 50.2	mm
Viewing Area	72.0x40.0	mm
Active Area	66.52x33.24	mm
Dot Size	0.48x 0.48	mm
Dot Pitch	0.52x 0.52	mm

Terminal Function

Pin No.	Symbol	Function
1	V _{SS}	GND
2	V _{DD}	Supply voltage for logic
3	V ₀	Contrast Adjustment
4	D/I	Data/Instruction
5	R/W	Data read/write
6	E	Enable signal
7-14	DB0-DB7	H/L Data bus line
15	CS1	Chip select for IC1
16	CS2	Chip select for IC2
17	/RST	Reset signal
18	V _{ee}	Negative Voltage output
19	A	Backlight LED+
20	K	Backlight LED-

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	—	9.2	—
Input High Voltage(V)	V _{IH}	0.7	—	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	—	0.6
Operating Current(mA)	I _{DD}	—	2.5	7.5

Backlight Characteristics

Item	Symbol	Min	Typ	Max	Unit
Forward Voltage	V _f (edge)	3.4	3.5	3.6	V
Forward Current	I _f (edge)	48	64	80	mA
Forward Voltage	V _f (array)	-	4.2	4.4	V
Forward Current	I _f (array)	-	330	660	mA

Absolute Maximum

Item	Symbo	Min	Max
Operating Voltage(V)	V _{dd}	-0.3	5.5
Operating Temperature(°C)	T _{op}	-20	+70
Storage Temperature (°C)	T _{st}	-30	+80