



Feature

1. Built-in controller(NT7107,NT7108 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

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

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	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}	—	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	—	0.6
Operating Current(mA)	I _{DD}	—	2.5	5.0

Backlight Characteristics

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

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