



GENERAL INFORMATION		
Item	Contents	Unit
Character Number	16×2	---
Outline Dimension(W×H×T)	80×36×13	mm
Viewing Area(W×H)	64.5×16.0	mm
Active Area(W×H)	56.2×11.5	mm
Character Size(W×H)	2.95×5.55	mm
Dot Size(W×H)	0.55×0.65	mm
LCD Type	STN,Negative,Blue,Transmissive	---
Viewing Direction	6:00	O'CLOCK
VDD	5.0	V
Duty	1/16	---
Bias	1/5	---
Operating Temperature range	-20-70	°C
Storage Temperature range	-30-80	°C
Driver IC	ST7066U-0B,ST7065C	---
Interface	MCU 8Bit	---

INTERFACE DESCRIPTION		
No.	SYMBOL	Description
1	GND	System ground
2	VDD	Power supply for interface logic circuits
3	V0	Power supply for LCD
4	RS	Display data/command Selection Pin in MCU Interface.
5	R/W	Write/Read signal L:Write H:Read
6	E	Data input enable. Display access is enabled when E is "H".
7	D0	In 8-bit bus mode, used as low order bidirectional data bus. In 4-bit bus mode, open these pins.
8	D1	
9	D2	
10	D3	
11	D4	In 8-bit bus mode, used as high order bidirectional data bus. In 4-bit bus mode, used as both high and low order data bus.
12	D5	
13	D6	
14	D7	
15	LED+	LED power anode.
16	LED-	LED power cathode.

ELECTRICAL CHARACTERISTICS					
Item	Symbol	Min	Typ.	Max	Unit
Supply Voltage(Logic)	VDD	4.8	5.0	5.2	V
Supply Voltage(LCD)	VLCD	4.4	4.6	4.8	V
Input High Voltage	V <sub>IH</sub>	0.7VDD	--	VDD	V
Input Low Voltage	V <sub>IL</sub>	-0.3	--	0.6	V
Output High Voltage	V <sub>OH</sub>	3.9	--	VDD	V
Output Low Voltage	V <sub>OL</sub>	--	--	0.4	V

BACKLIGHT DRIVING CONDITION					
Item	Symbol	Min	Typ.	Max	Unit
Forward current	I <sub>f</sub>	--	16	20	mA
Forward voltage	V <sub>f</sub>	4.8	5.0	5.2	V
LED Color		WHITE			

