



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	Vdd - Vss	-0.3	7.0	V
Supply Voltage(LCD)	Vdd - V0	-0.3	25.0	V
Input Voltage	Vi	-0.3	Vdd + 0.3	V
Operating Temp.	Topr	-20	70	°C
Storage Temp.	Tstg	-30	80	°C

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	180.0 X 62.0 X 12.0	mm
Viewing Area(W X H)	132.0 X 39.0	mm
Dot Pitch(W X H)	0.53 X 0.53	mm
Dot Size(W X H)	0.49 X 0.49	mm
View Angle	6 O'Clock	

ELECTRICAL CHARACTERISTICS (Vdd=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	2.0	--	Vdd	V
Input Low Voltage	Vil	--	-0.3	--	0.8	V
Output High Voltage	Voh	Ioh=-0.2mA	2.4	--	Vdd	V
Output Low Voltage	Vol	Iol=-1.6mA	0	--	0.4	V
Supply Current	Idd	Vdd=5.0V	--	16.0	20.0	mA
LCD Driving Voltage	Vdd - V0	Ta=25 °C	--	14.0	--	V

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	Vout	-10V	Output voltage for LCD driving
2	V0	--	Operation voltage for LCD
3	VSS	0V	Power GND
4	VDD	+5V	Power supply for logic
5	BUSY	H/L	BUSY Signal
6	INT	H/L	INT Signal
7	/CS	L	Chip enable signal, active"L"
8	RS	H/L	L: Data H: Instruction code
9	/WR	L	Write signal, active"L"
10	/RD	L	Read signal, active"L"
11	DB0	H/L	Data bus line
12	DB1	H/L	
13	DB2	H/L	
14	DB3	H/L	
15	DB4	H/L	
16	DB5	H/L	
17	DB6	H/L	
18	DB7	H/L	
19	RST	L	Reset signal, active"L"
20	NC	--	
21	BLA	+5V	Power supply for LED backlight
22	BLK	0V	Power supply for LED backlight
23	BLA	+5V	Power supply for LED backlight
24	BLK	0V	Power supply for LED backlight
25	BLA	+5V	Power supply for LED backlight
26	BLK	0V	Power supply for LED backlight

BLOCK DIAGRAM

