



**PIN CONNECTIONS**

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	5V	Power Supply for logic
3	NC	-	No connection
4	D/C	H/L	H: Data L: Instruction code
5	R/W	H/L	H: Read L: Write
6	E	L	Chip Enable signal
7~14	DB0 ~ DB7	H/L	Data bus line
15~16	NC	-	No connection

**NOTES:**

1. controller compatible with KS0066
2. 3.3V/5V power supply optional
3. Parallel(4-/8-bit 6800/8080) / Serial(3-/4-wire SPI/I<sup>2</sup>C) interface optional
4. Display color :White

**MECHANICAL DATA**

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	116.0X37.0X7.5	mm
Viewing Area (W x H)	75.52(W)×13.52(H)	mm
Character Size(W x H)	3.22×5.57	mm
Dot Pitch (W x H)	0.654×0.703	mm

**ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	5.6	V
Input Voltage	V <sub>I</sub>	0	V <sub>DD</sub>	V
Operating Temp.	T <sub>OPR.</sub>	-40	+80	°C
Storage Temp.	T <sub>STG.</sub>	-40	+80	°C

**ELECTRICAL CHARACTERISTICS ( V<sub>DD</sub>=5.0V, T<sub>a</sub>=25 °C )**

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V <sub>IH</sub>	0.7V <sub>DD</sub>	-	V <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	0	-	0.3V <sub>DD</sub>	V
Output High Voltage	V <sub>OH</sub>	0.7V <sub>DD</sub>	-	V <sub>DD</sub>	V
Output Low Voltage	V <sub>OL</sub>	0	-	0.3V <sub>DD</sub>	V
Supply Current (Note)	I <sub>DD</sub>	-	42	-	mA

\*Note:VDD=5.0V, 50% Display Area Turn On .