



**PIN CONNECTIONS**

Pin	Symbol	Level	Function
1	VSS	0V	Ground
2	VDD	+5V	Power supply for Logic
3	NC	-	No connection
4	D/C	H/L	Data/Command select
5	/WR	L	Write signal
6	/RD	L	Read signal
7~14	DB0-DB7	H/L	Data bus line
15	/CS	L	Chip select ,Active L
16	/REST	L	Reset signal ,active "L"
17	BS1	H/L	BS1、BS2 interface select: 11:8080 Parallel
18	BS2		
19	NC	-	No connection
20	FG	-	Frame Ground

**MECHANICAL DATA**

Item	Nominal Dimensions	Unit
Module Size ( W x H x T )	54.0X39.5X8.5	mm
Viewing Area ( W x H )	37.0X19.5	mm
Character Size(W x H)	0.274X0.274	mm
Dot Size ( W x H )	0.258X0.258	mm

**ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	5.5	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, Ta=25°C )**

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V <sub>IH</sub>	0.8 V <sub>DD</sub>	-	-	V
Input Low Voltage	V <sub>IL</sub>	-	-	0.2V <sub>DD</sub>	V
Output High Voltage	V <sub>OH</sub>	0.9 V <sub>DD</sub>	-	-	V
Output Low Voltage	V <sub>OL</sub>	-	-	0.1V <sub>DD</sub>	V
Supply Current	I <sub>DD</sub>	-	55	-	mA

**NOTES:**

1. controller compatible with SSD1305
2. 5.0V power supply
3. Parallel/Serial interface optional
4. Display color : Yellow