



### PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V <sub>SS</sub>	0V	Ground
2	V <sub>DD</sub>	+3.3V	Power supply for Logic
3	NC	-	No connection
4	D/C	H/L	Data/Command select
5	/WR	L	8080: Write signal
6	/RD	L	8080: Read signal
7	DB0	H/L	Data bus line
14	DB7		Serial mode :D1-SI D0-SCL
15	/CS	L	Chip select signal
16	NC	-	No connection
17	REST	L	Reset signal ,active "L"
18	BS1	H/L	MPU Interface select: 11: 8-bit 80XX parallel 01: 8-bit 68XX parallel
19	BS2		00: 4-wire SPI 10: I <sup>2</sup> C
20	FG	-	Frame Ground

### MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size ( W x H x T )	61.8X50.0X6.0	mm
Viewing Area ( W x H )	57.5X30.0	mm
Dot Pitch ( W x H )	0.43X0.43	mm
Dot Size ( W x H )	0.40X0.40	mm

### ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	4.0	V
Supply Voltage(OLED)	V <sub>CC</sub> -V <sub>SS</sub>	0	15.0	V
Input Voltage	V <sub>I</sub>	0	V <sub>DD</sub>	V
Operating Temp.	T <sub>OPR</sub>	-40	+70	°C
Storage Temp.	T <sub>STG</sub>	-40	+80	°C

### ELECTRICAL CHARACTERISTICS ( V<sub>DD</sub>=3.3V, 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>	-	TBD	-	mA
OLED Display Voltage ( GREEN )	V <sub>CC</sub> -V <sub>SS</sub>	12.5	13.0	13.5	V

- NOTES:1. Built-in SSD1305 controller  
 2. Parallel / Serial interface optional  
 3. 5V/3.3V power supply optional  
 4. Display color :YELLOW/ GREEN