



**PIN CONNECTIONS**

**MECHANICAL DATA**

CON1			
Pin	Symbol	Level	Function
1	V <sub>DD</sub>	3.3V	Power supply for Logic
2	V <sub>SS</sub>	0V	Ground
3	NC	-	No connection
4	D/C	H/L	Data/Command select
5	R/W	H/L	Read /Write signal
6	E	H/L	Chip enable signal
7	DB0	H/L	Data bus line
14	DB7		
CON2			
Pin	Symbol	Level	Function
1	V <sub>SS</sub>	0V	Ground
2	V <sub>DD</sub>	3.3V	Power supply for Logic
3	/CS	L	Chip select signal
4	/REST	L	Reset signal ,active “L”
5	D/C	H/L	Data/Command select
6	D0	H/L	SPI: D0—SCLK
7	D1		D1—SDIN
8	D2		I <sup>2</sup> C: D0—SCL
			D1—SDA <sub>IN</sub> D2--SDA <sub>OUT</sub>

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	85.0X30.0X7.5	mm
Viewing Area (W x H)	58.22X13.52	mm
Character Pitch(W x H)	3.55×5.95	mm
Character Size(W x H)	2.97×5.57	mm
Dot Pitch (W x H)	0.60×0.70	mm
Dot Size (W x H)	0.57×0.67	mm

**ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	3.5	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	+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 <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	0	-	0.2V <sub>DD</sub>	V
Output High Voltage	V <sub>OH</sub>	0.9 V <sub>DD</sub>	-	V <sub>DD</sub>	V
Output Low Voltage	V <sub>OL</sub>	0	-	0.1V <sub>DD</sub>	V
Supply Current	I <sub>DD</sub>	-	45	-	mA
OLED Display Voltage(YELLOW)	V <sub>CC</sub> -V <sub>SS</sub>	11.5	12.0	12.5	V

**NOTES:**

1. Built-in US2066 controller
2. 3.3V/5V power supply optional
3. Parallel / Serial interface optional
4. Display color :YELLOW