



### PIN CONNECTIONS

Pin	Symbol	Function	Pin	Symbol	Function
1	NC(GND)	Connect to ground	10	D/C#	data/command control select signal
2	VLSS	Ground of analog circuit	11	R/W#	Read /Write select or Write.
3	VSS	Ground of logic circuit	12	E/RD#	Read /Write Enable or Read.
4	NC	No connection	13-20	D0-D7	Data bus line
5	VDD	Power supply for logic circuit	21	IREF	current reference for brightness adjustment
6	BS1	MCU interface select	22	VCOMH	Voltage output high level for common signal
7	BS2		23	VCC	Power supply for OEL panel
8	CS#	Chip select signal	24	NC(GND)	Connect to ground
9	RES#	Reset signal, active "L"			

### PART CHARACTERISTICS

Item	Characteristics	Item	Symbol	Min.	Typ.	Max.	Unit
Display Color	Light blue/Yellow /Green optional	Supply Voltage for Logic	VDD	2.4	2.8	3.5	V
Driver IC	SSD1305	Supply Voltage for Display	Vcc	12.0	12.5	13.0	V
Interface	8-bit 8080, 8-bit 6800, 4-wire SPI, I <sup>2</sup> C	Input High Voltage	VIH	0.8XVDD	-	VDD	V
		Input Low Voltage	VIL	0	-	0.2XVDD	V
Operating Temp.	-40°C~80°C	Output High Voltage	VOH	0.9XVDD	-	VDD	V
Storage Temp.	-40°C~80°C	Output Low Voltage	VOL	0	-	0.1XVDD	V