



### PIN CONNECTIONS

Pin	Symbol	Function	Pin	Symbol	Function
1	NC(GND)	Connect to external ground	13	CS#	Chip select signal
2	C2P	Negative terminal of the flying boost capacitor	14	RES#	Reset signal, active "L"
3	C2N		15	D/C#	data/command control
4	C1P	Positive terminal of the flying inverting capacitor	16	R/W#	Read /Write select or Write.
5	C1N		17	E/RD#	Read /Write Enable or Read.
6	VBAT	Power supply for DC/DC converter circuit	18-25	D0-D7	Data bus line
7	NC	No connection	26	IREF	Current reference for brightness adjustment
8	VSS	Ground of logic circuit	27	VCOMH	Voltage output high level for COM signal
9	VDD	Power supply for logic circuit	28	VCC	Power supply for OEL panel
10	BS0	MCU interface select	29	VLSS	Ground of analog circuit
11	BS1		30	NC(GND)	Connect to external ground
12	BS2				

### PART CHARACTERISTICS

Item	Characteritics	Item	Symbol	Min.	Typ.	Max.	Unit
Display Color	Light Blue	Supply Voltage for Logic	VDD	1.65	2.8	3.3	V
Driver IC	SSD1306	Supply Voltage for Display	Vcc	8.5	9.0	9.5	V
Interface	8-bit 8080, 8-bit 6800, 3-/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.	-30°C~70°C	Output High Voltage	VOH	0.9XVDD	-	VDD	V
Storage Temp.	-40°C~80°C	Output Low Voltage	VOL	0	-	0.1XVDD	V