



PIN CONNECTIONS

Pin	Symbol	Function	Pin	Symbol	Function
1	NC(GND)	Connect to external ground	21	VDD	Power supply for logic circuit
2	VCC	Power supply for OEL panel	22	NC	No connection
3	VCOMH	Voltage output high level for COM signal	23	NC	No connection
4	IREF	Current reference for brightness adjustment	24	NC	No connection
5-12	D7-D0	Data bus line	25	NC	No connection
13	E/RD#	Read /Write Enable or Read.	26	NC	No connection
14	R/W#	Read /Write select or Write.	27	NC	No connection
15	D/C#	data/command control	28	NC	No connection
16	RES#	Reset signal,active "L"	29	NC	No connection
17	CS#	Chip select signal	30	VSS	Ground of logic circuit
18	NC	No connection	31	NC(GND)	Connect to external ground
19	BS2	MCU interface select			
20	BS1				

PART CHARACTERISTICS

Item	Characteristics	Item	Symbol	Min.	Typ.	Max.	Unit
Display Color	Yellow/Green optional	Supply Voltage for Logic	VDD	2.4	2.8	3.5	V
Driver IC	SSD1305	Supply Voltage for Display	Vcc	12.5	13.0	13.5	V
Interface	8-bit 8080,8-bit 6800, 4-wire SPI, I ² C	Input High Voltage	VIH	0.8XVDD	-	VDD	V
		Input Low Voltage	VIL	0	-	0.2XVDD	V
Operating Temp.	-40°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