Mechanical Data

Item	Dimension	Unit
Module dimension	89.70 × 47.2 × 3.4	mm
View area	63.41 x 32.69	mm
Active area	61.41 x 30.69	mm
Mounting hole	82.7 x 40.2	mm
Dot Size	0.45 x 0.45	mm
Dot Pitch	0.48 x 0.48	mm

Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit	Notes
Supply Voltage for Logic	VDD	-0.3	4	V	1, 2
Supply Voltage for Display	VCC	0	16	V	1, 2

Electronical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VDD	–	2.8	3.0	3.3	V
Supply Voltage for Display	VCC	–	10	12	15	V
High Level Input	VIH	–	0.8×VDD	–	VDD	V
Low Level Input	VIL	–	0	–	0.2×VDD	V
High Level Output	VOH	–	0.9×VDD	–	VDD	V
Low Level Input	VOL	–	0	–	0.1×VDD	V
50% Check Board operating Current		VCC =12V	26	28	32	mA

Feature

1. 128x64 dots
2. Built-in Controller SSD1325T6R1
3. +3V power supply
4. 1/64 duty cycle
5. Interface: 6800, 8080, SPI
6. Polarizer optional

No.	Symbol	I/O	Description
1	NC(GND)		Reserved Pin (Supporting Pin)
2	VCC	P	Power Supply for OLED Panel
3	VCOMH	P	Voltage Output High Level for COM Signal
4	IREF	I	Current Reference for Brightness Adjustment
5~12	D7~D0	I/O	Host Data Input/Output Bus
13	E/RD#	I	Read/Write Enable or Read
14	R/W#	I	Read/Write Select or Write
15	D/C#	I	Data/Command Control
16	RES#	I	Power Reset for Controller and Driver
17	CS#	I	Chip Select
18	NC		Reserved Pin
19	BS2	I	Communicating Protocol Select These pins are MCU interface selection input. See the following table:
20	BS1		68XX-parallel / 80XX-parallel / Serial BS1: 0 / 1 / 0 BS2: 1 / 1 / 0
21	Vdd	P	Power Supply for Logic Circuit
22	NC		Reserved Pin
23	NC		
24	NC		
25	NC		
26	NC		
27	NC		
28	NC		
29	Vss	P	Ground of OLED System
30	VSL	0	Voltage Output Low Level for SEG Signal

OLED Graphic type

RET012864L OLED Graphic 128x64 dots

Dimension drawing