



# SO12864H ( 128 DOTS X 64 DOTS )

OLED DISPLAY

BUILT-IN CONTROLLER (SSD1305)

3.3 V POWER SUPPLY

1/64 DUTY CYCLE

COLOR : Yellow、 Green

LIFE : 50000 hours

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W x H x T )	75.0 x 52.7 x 8.0	mm
Viewing Area ( W x H )	57.0 x 29.4	mm
Active Area ( W x H )	55.01 x 27.49	mm
Dot Size ( W x H )	0.40 x 0.40	mm
Dot Pitch ( W x H )	0.43 x 0.43	mm

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V <sub>DD</sub>	5V	Power Supply Voltage
2	V <sub>SS</sub>	0V	Power Supply Ground
3	V <sub>O</sub>	-	Contrast Adjustment Voltage
4~11	DB0~DB7	H/L	Data Bus Line
12	CS	H	Chip Select Signal For IC1
13	NC	-	No Connection
14	/RES	L	Reset Signal
15	R/W	H/L	H : Read / L : Write
16	D/C	H/L	L : Data, H : Command
17	E	H→L	Enable Signal
18	NC	-	No Connection
19	NC	-	No Connection
20	NC	-	No Connection

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	0	-	4	V
Supply Voltage For OLED Drive	V <sub>DD</sub> -V <sub>O</sub>	0	-	15	V
Input Voltage	V <sub>I</sub>	V <sub>SS</sub>	-	V <sub>DD</sub>	V

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-	2.4	2.8	3.5	V	
Supply Voltage For OLED	V <sub>DD</sub> -V <sub>O</sub>	V <sub>DD</sub> =2.8V Ta=25	12.5	13	13.5	V	
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =2.8V	-	45	60	mA	
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	2.2	-	V <sub>DD</sub>	V
	"LOW" Level	V <sub>IL</sub>	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	2.4	-	V	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	0.4	V

## EXTERNAL DIMENSIONS

