



SO12864H (128 DOTS X 64 DOTS)

OLED DISPLAY

BUILT-IN CONTROLLER (SSD1309)

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 _{DD}	5V	Power Supply Voltage
2	V _{SS}	0V	Power Supply Ground
3	V _O	-	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 _{DD} -V _{SS}	0	-	4	V
Supply Voltage For OLED Drive	V _{DD} -V _O	0	-	15	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

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

EXTERNAL DIMENSIONS

