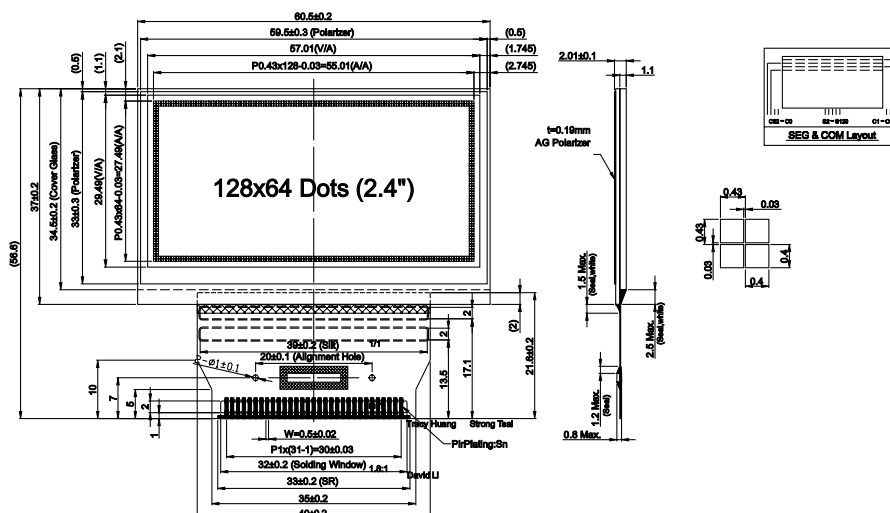


H12864-5

Dimensional Drawing

128 X 64 Dots Graphic, Yellow OLED Display



Features

Viewing Angle.....	Wide (160 degrees)
High Contrast.....	2000:1
Fast Response Time.....	10 usec
Built-in DC-DC Converter	
Built-in Controller.....	SSD1303

Physical Data

Module Size.....	60.5W x56.6H x 2.01T mm
Viewing Area Size.....	57.01W x 29.49H mm
Dot Pitch.....	0.43W x 0.43H mm
Dot Size.....	0.40W x 0.40H mm
Weight.....	9.59 gm

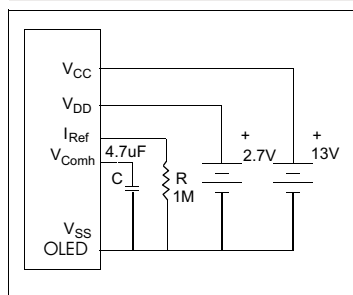
Electrical Characteristics (VCC=1.3±5% 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{DD}	-	2.4	2.7	3.5	V
OPERATING VOLTAGE	V _{CC}	-	12.5	13	13.5	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.8*V _{DD}		V _{DD}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2*V _{DD}	V
OPERATING CURRENT	I _{DD}	All pixels on	-	190	300	uA
OPERATING CURRENT	I _{CC}	All pixels on	-	22	25	mA
POWER CONSUMPTION	P _D	All pixels on	-	286	325	mW
BRIGHTNESS	L	Average	60	80	-	cd/m ²
DRIVE METHOD	1/64 Duty					

Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	N/C	-	No Connection
2	VSS	I	Ground Pin
3	TEST0	-	No Connection, Left Open
4	TEST1	-	No Connection, Left Open
5	TEST2	-	No Connection, Left Open
6	TEST3	-	No Connection, Left Open
7	TEST4	-	No Connection, Left Open
8	N/C	-	No Connection
9	N/C	-	No Connection
10	N/C	-	No Connection
11	VDD	I	Power Supply for internal logic
12	Bs1	H/L	MCU interface selection input
13	Bs2	H/L	MCU interface selection input
14	N/C	-	No Connection
15	CS#	L	Chip select input
16	RES#	L	Hardware reset input
17	D/C#	H/L	Data-command control input
18	WR	L	Write data input
19	RD	L	Read data input
20	D0	H/L	Bi-directional data bus
21	D1	H/L	Bi-directional data bus
22	D2	H/L	Bi-directional data bus
23	D3	H/L	Bi-directional data bus
24	D4	H/L	Bi-directional data bus
25	D5	H/L	Bi-directional data bus
26	D6	H/L	Bi-directional data bus
27	D7	H/L	Bi-directional data bus
28	IREF	I	Reference input (connect recom. Res. R)
29	VCOMH	I	COM Deselected Voltage Level
30	VCC	I	Power Supply for logic
31	N/C	-	No Connection

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{DD}	-0.3	3.5	V
SUPPLY VOLTAGE	V _{CC}	8	16	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{DD} + 0.3	V
OPERATING TEMPERATURE	T _{OP}	-40	70	°C
STORAGE TEMPERATURE	T _{STG}	-40	85	°C
LIFE TIME (60/100 Cd/m ²)		66/40k	-	Hrs

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