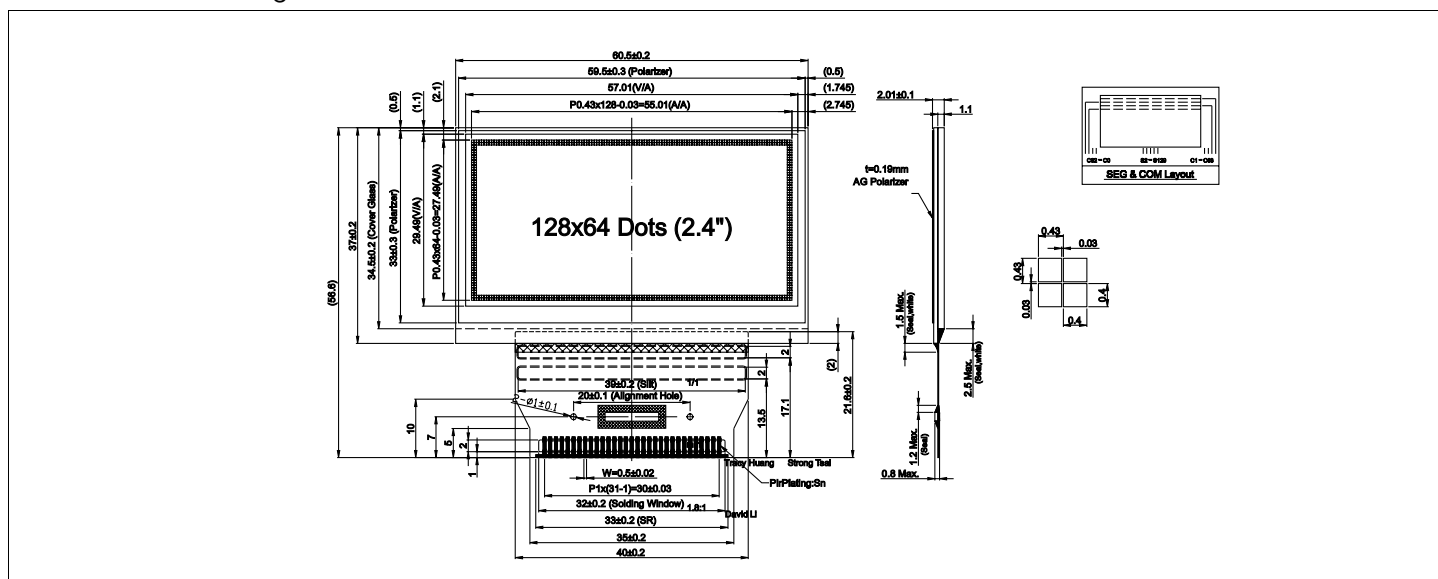


HDR12864-5

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

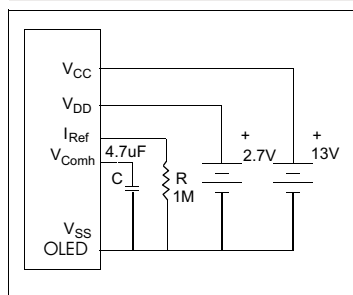
Electrical Characteristics (VCC = 1.3 ± 5% 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	VDD	-	2.4	2.7	3.5	V
OPERATING VOLTAGE	VCC	-	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	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	Power Supply for internal logic
12	Bs1	MCU interface selection input
13	Bs2	MCU interface selection input
14	N/C	No Connection
15	CS#	Chip select input
16	RES#	Hardware reset input
17	D/C#	Data-command control input
18	WR	Write data input
19	RD	Read data input
20	D0	Bi-directional data bus
21	D1	Bi-directional data bus
22	D2	Bi-directional data bus
23	D3	Bi-directional data bus
24	D4	Bi-directional data bus
25	D5	Bi-directional data bus
26	D6	Bi-directional data bus
27	D7	Bi-directional data bus
28	IREF	Reference input (connect recom. Res. R)
29	VCOMH	COM Deselected Voltage Level
30	VCC	Power Supply for logic
31	N/C	No Connection

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	VDD	-0.3	3.5	V
SUPPLY VOLTAGE	VCC	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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