

WINSTAR Display

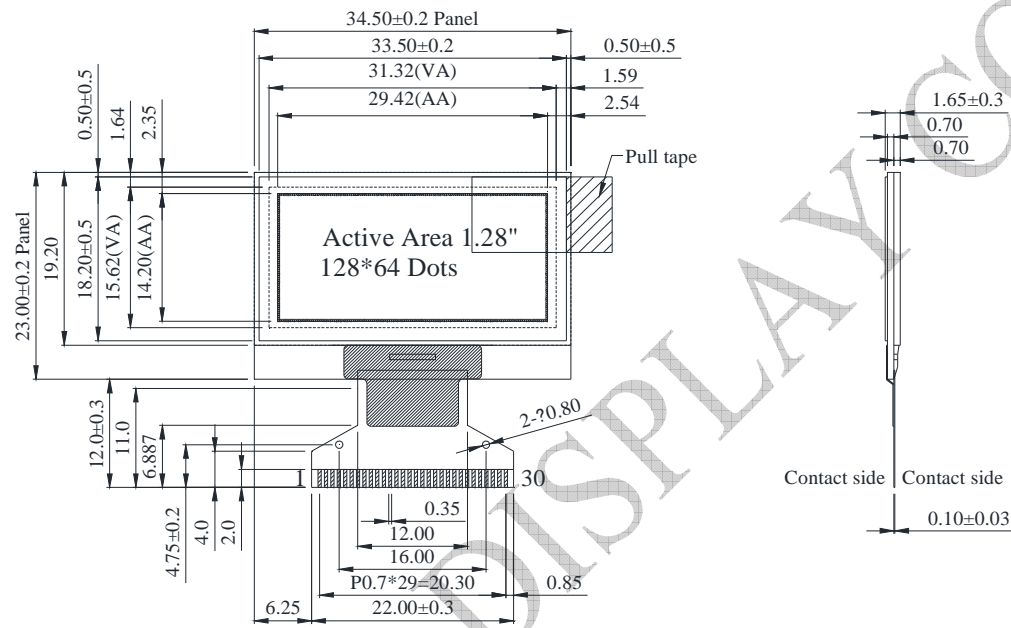
OLED SPECIFICATION

Model No: WEO012864L

General Specification

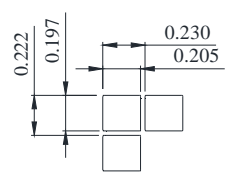
Item	Dimension	Unit
Dot Matrix	128 x 64	—
Module dimension	34.50 x 23.00 x 1.65	mm
Active Area	29.42 x 14.20	mm
Pixel Size	0.205 x 0.197	mm
Pixel Pitch	0.230 x 0.222	mm
Display Mode	Passive Matrix	
Display Color	Yellow	
Drive Duty	1/64 Duty	
Controller IC	SH1106G	

Contour Drawing & Block Diagram



PIN NO.	SYMBOL
1	NC(GND)
2	C1N
3	C1P
4	C2P
5	C2N
6	VDD2
7	NC
8	VSS
9	VDD1
10	IM0
11	IM1
12	IM2
13	CSB
14	RESB
15	A0
16	WRB
17	RDB
18	D0
19	D1
20	D2
21	D3
22	D4
23	D5
24	D6
25	D7
26	IREF
27	VCOMH
28	VPP
29	VLSS
30	NC(GND)

The non-specified tolerance of dimension is $\pm 0.3\text{mm}$.



Scale 20/1

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VDD1	-0.3	3.6	V
Power supply for charge pump circuit	VDD2	-0.3	4.8	V
Supply Voltage for Display	VPP	-0.3	14.5	V
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TSTG	-40	+80	°C

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VDD	—	2.8	3.0	3.3	V
Supply Voltage for Display	VPP	—	7	7.25	7.5	V
High Level Input	VIH	—	0.8VDD	—	VDD	V
Low Level Input	VIL	—	VSS	—	0.2VDD	V
High Level Output	VOH	—	0.8VDD	—	VDD	V
Low Level Output	VOL	—	VSS	—	0.2VDD	V
50% Check Board operating Current		VPP =7.25V	5	6	7	mA