WINSTAR Display

OLED SPECIFICATION

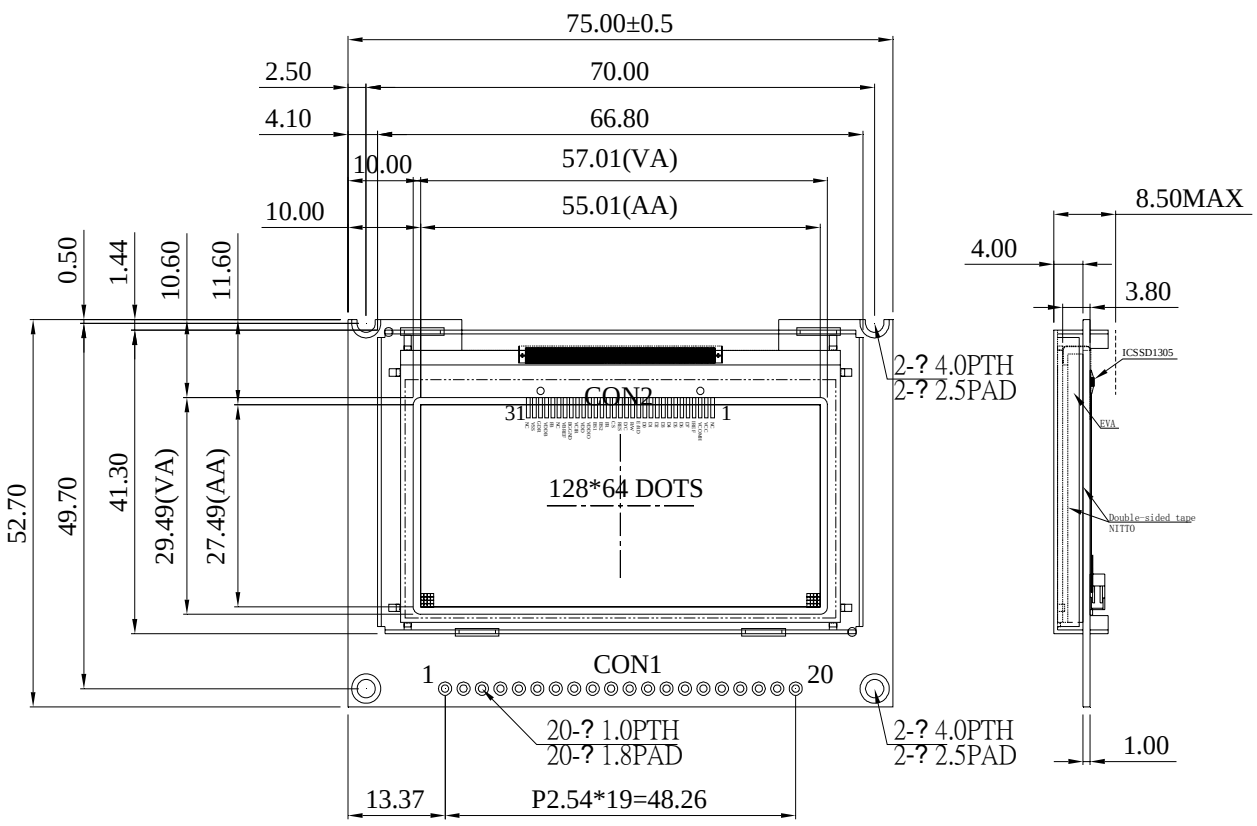
Model No:
WEX012864G

General Description

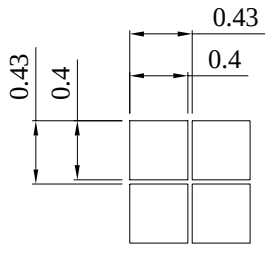
Item	Dimension	Unit
Number of Characters	128 x 64 Dots	-
Module dimension	75.0 × 52.7 × 8.5 (mm)	mm
Active Area	57.01 × 29.49 (mm)	mm
Pixel Pitch	55.01 × 27.49 (mm)	mm
Pixel Size	0.4 × 0.4 (mm)	mm
Weight	24.5	g
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/64 Duty	

first FC components

Contour Drawing



CON1	
PIN NO.	SYMBOL
1	VDD
2	VSS
3	NC
4	DB0
5	DB1
6	DB2
7	DB3
8	DB4
9	DB5
10	DB6
11	DB7
12	CS
13	NC
14	/RES
15	R/W
16	D/C
17	E
18	NC
19	DISP
20	NC



DOT SIZE
SCALE 20/1

The non-specified tolerance of dimension is ±0.3mm.

Interface Pin Function

No.	Symbol	Function
1	VDD	Power supply for analog circuit.
2	VSS	Ground.
3	NC	No connection
4~11	D0~D7	Data bus.
12	CS#	Chip select input.
13	NC	No connection
14	RES#	Reset signal input. When it's low, initialization of SSD1305 is executed.
15	R/W#	Data write operation is initiated when it's pull low.
16	D/C#	Data/ Command control. Pull high for write/read display data. Pull low for write command or read status.
17	E/RD#	Data read operation is initiated when it's pull low.
18	NC	No connection
19	DISP	Display off
20	NC	No connection

８０８０INTERFACE.

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit	Notes
Supply Voltage for Logic	VDD	-0.3	3.5	V	1,2
Supply Voltage for Display	VCC	8	16	V	1,2
Operating Temperature	TOP	-40	80	°C	—
Storage Temperature	TSTG	-40	80	°C	—

Note 1: All the above voltages are on the basis of "VSS = 0V".

Note 2: When this module is used beyond the above absolute maximum ratings, permanent breakage of the module may occur. Also, for normal operations, it is desirable to use this module under the conditions according to Section 3."Optics & Electrical Characteristics". If this module is used beyond these conditions, malfunctioning of the module can occur and the reliability of the module may deteriorate.