WINSTAR Display

OLED SPECIFICATION

Model No:

WEA12832W#KP3N00000-FC

Represented by:

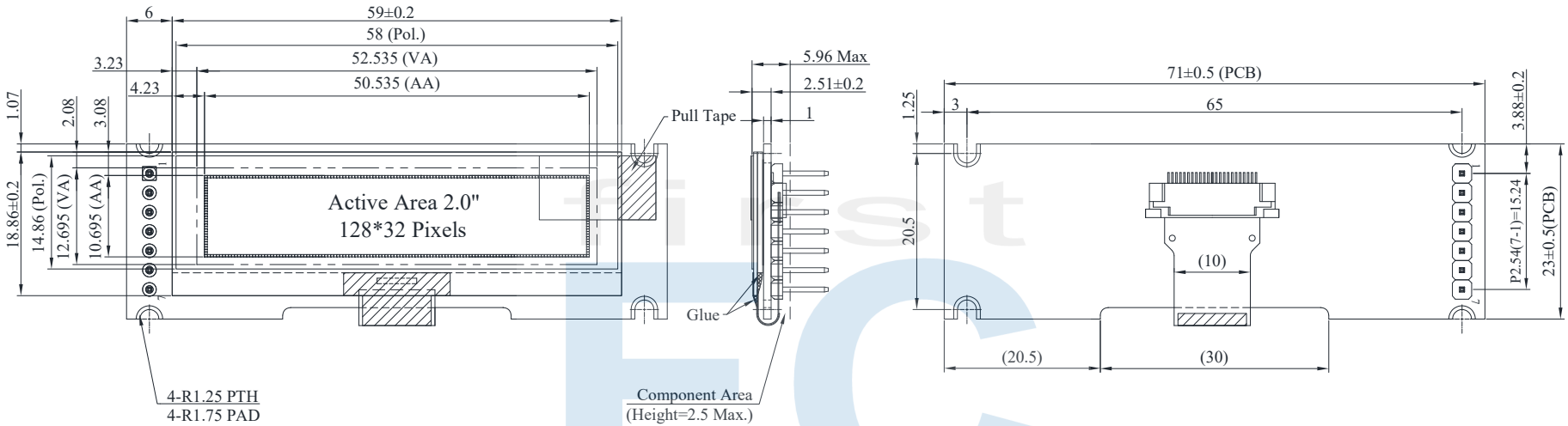
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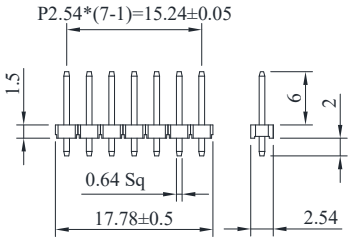
General Specification

Item	Dimension	Unit
Dot Matrix	128 x 32	Dots
Module dimension	59.0× 18.86 × 5.96Max.	mm
Active Area	50.535 ×10.695	mm
Pixel Size	0.370 × 0.310	mm
Pixel Pitch	0.395 × 0.335	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Interface	4-Wire SPI	
Drive Duty	1/32 Duty	
IC	SSD1315	
Size	2.0 inch	

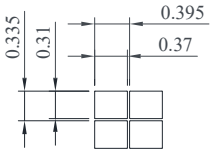
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Contour Drawing & Block Diagram

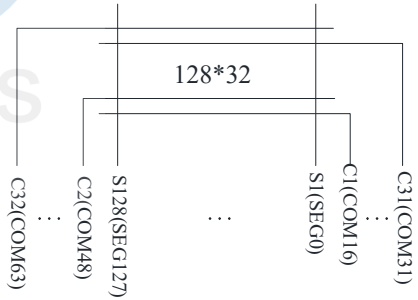




Pin Detail
Scale 1/1



DOTS SIZE
SCALE 10/1



Seg&Com Layout

PIN	SYMBOL
1	GND
2	VCC
3	D0
4	D1
5	RES#
6	D/C#
7	CS#

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

Interface Pin Function

No.	Symbol	Function
1	GND	Ground.
2	VCC	Power supply pin for core logic operation.
3	D0	The serial clock input
4	D1	The serial data input
5	RES#	This pin is reset signal input. When the pin is pulled LOW, initialization of the chip is executed. Keep this pin HIGH (i.e. connect to VDD) during normal operation.
6	D/C#	This pin is Data/Command control pin connecting to the MCU. When the pin is pulled HIGH, the data at D1 will be interpreted as data. When the pin is pulled LOW, the data at D1 will be transferred to a command register. In I2C mode, this pin acts as SA0 for slave address selection.
7	CS#	This pin is the chip select input connecting to the MCU. The chip is enabled for MCU communication only when CS# is pulled LOW (active LOW).

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5.Absolute Maximum Ratings

Parameter	Symbol	Min	Typ.	Max	Unit
Supply Voltage for Display	VCC	-0.3	-	4	V
Operating Temperature	TOP	-40	-	+80	°C
Storage Temperature	TSTG	-40	-	+85	°C

Electrical Characteristics

DC Electrical Characteristics

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply Voltage for Logic	VCC	—	2.8	3.0	3.3	V
High Level Input	VIH	—	0.8xVCC	—	VCC	V
Low Level Input	VIL	—	0	—	0.2xVCC	V
High Level Output	VOH	—	0.9xVCC	—	VCC	V
Low Level Output	VOL	—	0	—	0.1xVCC	V
Display 50% Pixel on	ICC	VCC =3V	—	40	80	mA

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