WINSTAR Display

OLED SPECIFICATION

Model No:

WEH1602W#AP3N00100-FC

first FC components

Represented by:

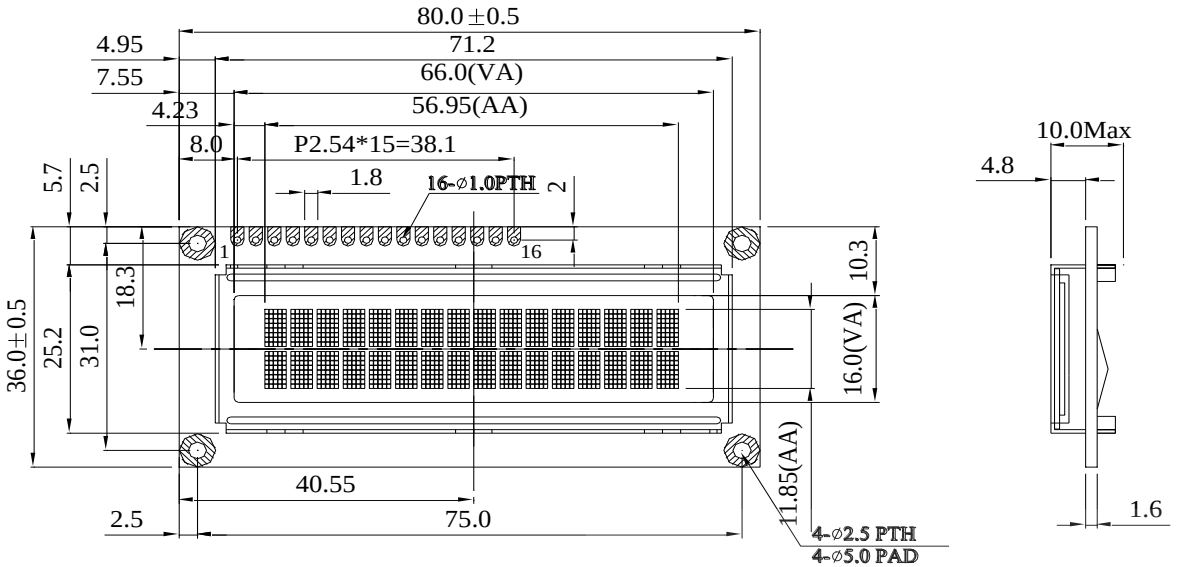
first FC components
FIRST Components s.r.l.
www.first-components.com
technical@first-components.com
+39 0332 1888005

2.General Specification

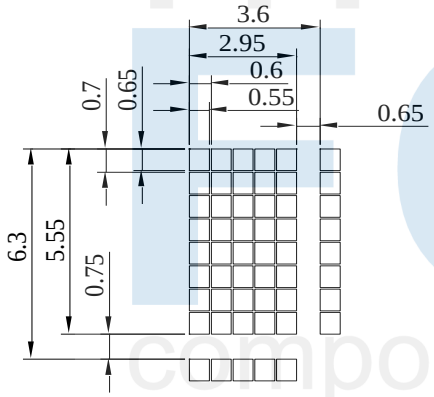
Item	Dimension	Unit
Number of Characters	16 characters x 2 Lines	–
Module dimension	80.0 x 36.0 x 10.0(MAX)	mm
View area	66.0 x 16.0	mm
Active area	56.95 x 11.85	mm
Dot size	0.55 x 0.65	mm
Dot pitch	0.60 x 0.70	mm
Character size	2.95 x 5.55	mm
Character pitch	3.6 x 6.3	mm
Panel type	OLED , White	
Duty	1/16	
IC	WS0010-TX	
Interface	6800	
Size	2.29 inch	

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3. Contour Drawing & Block Diagram



PIN NO.	SYMBOL
1	Vss
2	Vdd
3	NC
4	RS
5	R/$\overline{W}$
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	NC
16	NC



DOT SIZE

SCALE 5/1

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

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4.Interface Pin Function

Pin No.	Symbol	Level	Description
1	VSS	0V	Ground
2	VDD	3.3V	Supply Voltage for logic
3	NC	—	
4	RS	H/L	H: DATA, L: Instruction code
5	R/W	H/L	H: Read(Module→MPU) L: Write(MPU→Module)
6	E	H,H→L	Chip enable signal
7	DB0	H/L	Data bit 0
8	DB1	H/L	Data bit 1
9	DB2	H/L	Data bit 2
10	DB3	H/L	Data bit 3
11	DB4	H/L	Data bit 4
12	DB5	H/L	Data bit 5
13	DB6	H/L	Data bit 6
14	DB7	H/L	Data bit 7
15	NC	—	
16	NC	—	

5.Absolute Maximum Ratings

Item	Symbol	Min	Max	Unit	Notes
Operating Temperature	TOP	-40	+80	℃	
Storage Temperature	TST	-40	+85	℃	
Supply Voltage For Logic	VDD-VSS	-0.3	3.6	V	

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