



# SPECIFICATION

# OLED SPECIFICATION

Model No:

REC001601B

## General Specification

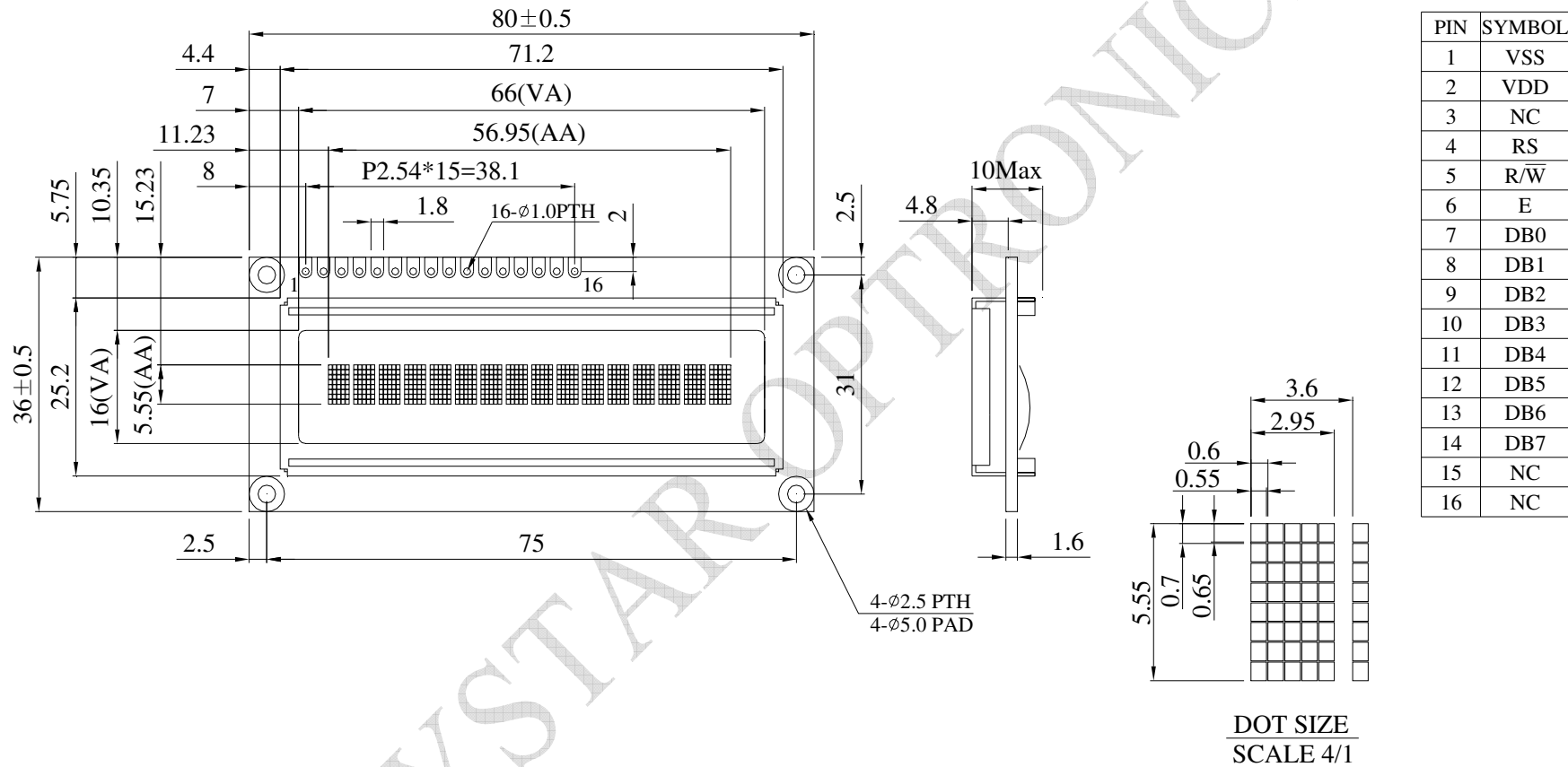
The Features is described as follow:

- 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 5.55 mm
- Number of Characters :16 Characters x 1 Line
- 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: 3.60 x 5.55 mm
- Duty: 1/8
- Emitting Color: OLED, Monochrome
- Interface : 6800, options 8080 and SPI
- IC:RS0010-TX
- Size:2.25 inch

## Interface Pin Function

Pin No.	Symbol	Level	Description
1	VSS	0V	Ground
2	VDD	5.0V	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	—	

## Contour Drawing & Block Diagram



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

## Absolute Maximum Ratings

Item	Symbol	Min	Max	Unit
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TST	-40	+85	°C
Supply Voltage For Logic	VDD-VSS	-0.3	5.3	V

## Electrical Characteristics

### DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	VDD-VSS	—	4.8	5.0	5.3	V
Input High Volt.	V <sub>IH</sub>	—	0.8xVDD	—	VDD	V
Input Low Volt.	V <sub>IL</sub>	—	GND	—	0.2xVDD	V
Output High Volt.	V <sub>OH</sub>	I <sub>OH</sub> =-0.5mA	0.8xVDD	—	VDD	V
Output Low Volt.	V <sub>OL</sub>	I <sub>OL</sub> =0.5mA	GND	—	0.2xVDD	V
50% Check Board Operating Current	I <sub>DD</sub>	VDD=5V	—	30	60	mA