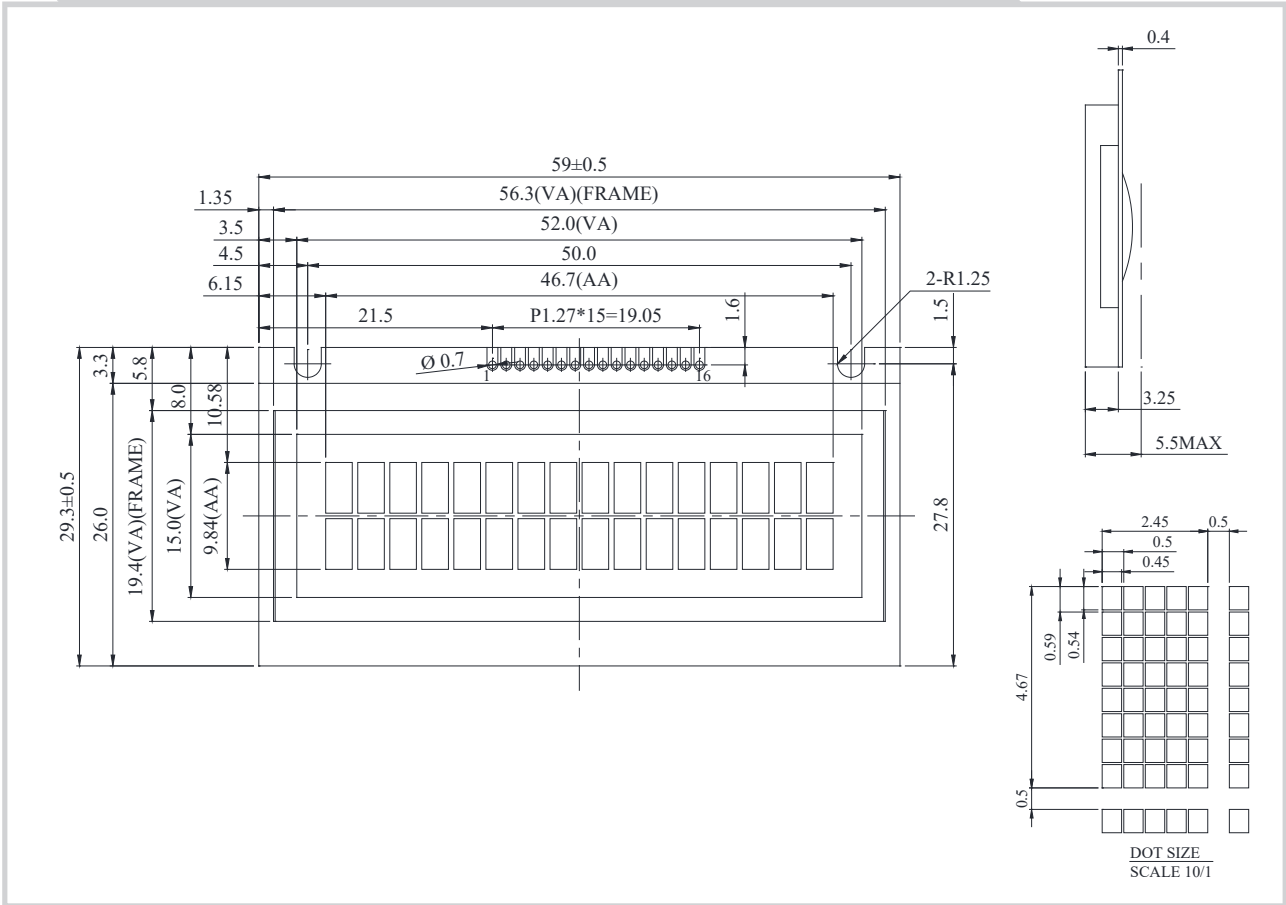


TH1602S Character 16x2



Feature

- 1. 1.5x8 dots includes cursor
- 2. Built-in controller (ST7066 or Equivalent)
- 3. 3.5V power supply (Also available for 3V)
- 4. N.V., optional for 3V power supply
- 5. 1/16 duty cycle
- 6. Interface : 6800, option SPI/I2C (RW1063 IC)

Pin No.	Symbol	Description
1	V _{LED}	Power supply for B/L -
2	V _{SS}	Ground
3	V _{DD}	Power supply for logic
4	V _O	Contrast Adjustment
5	RS	Data/ Instruction select signal
6	R/W	Read/Write select signal
7	E	Enable signal
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	NC	No connection

Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 29.3	mm
Viewing Area	52.0 x 15.0	mm
Mounting Hole	50.0 x 27.8	mm
Character Size	2.45 x 4.67	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	3/5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VO	3.70	V

Display Character Address Code

Display position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
DD RAM Address	00	01	02													0E	0F
DD RAM Address	40	41	42													4E	4F

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