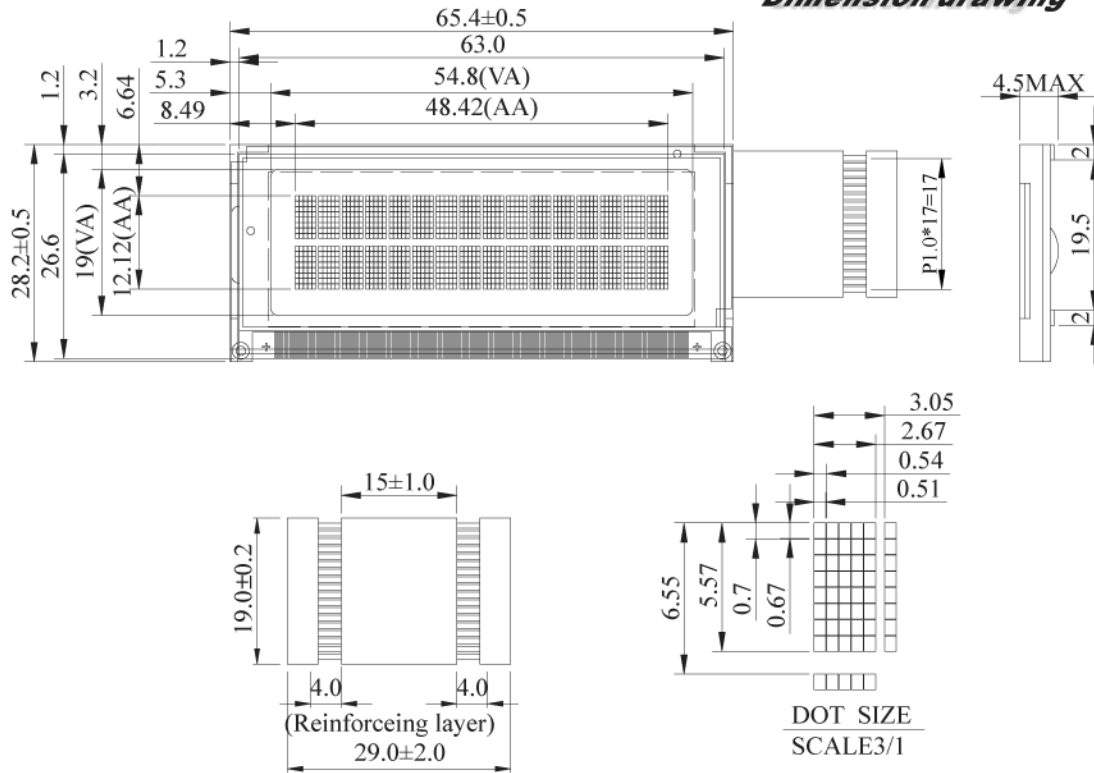




WH1602T Character 16x2

Dimension drawing



Feature

1. 5x8 dots includes cursor
2. Built-in controller (KS 0066 or Equivalent)
3. 1/16 duty cycle
4. +5V power supply

Pin NO.	Symbol	Function
1	Vdd	Supply voltage for logic
2	Vss	Ground
3	Vo	Operating voltage for LCD
4	NC	No connection
5	NC	No connection
6	RS	H: Data L: Instruction
7	R/W	H: read data L: write data
8	E	Chip enable signal
9	DB0	Data bit 0
10	DB1	Data bit 1
11	DB2	Data bit 2
12	DB3	Data bit 3
13	DB4	Data bit 4
14	DB5	Data bit 5
15	DB6	Data bit 6
16	DB7	Data bit 7
17	A	LED+
18	K	LED-

Mechanical Data

Item	Standard Value	Unit
Module Dimension	65.4x28.2	mm
Viewing Area	54.8x19.0	mm
Mounting hole	----	mm
Character Size	2.67x5.57	mm

Character type

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	---	7.0	V
Input Voltage	VI	Vss	---	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electrical Characteristics

Item	Symbol	Condition	Standard Value			Unit	
			min.	typ.	max.		
Input Voltage	VDD	VDD=+5V	4.5	5.0	5.5	V	
Supply Current	IDD	VDD=5V	---	1.2	---	mA	
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	4.5	V	
		0°C	---	---	---		
		25°C	---	4.2	---		
		50°C	---	---	---		
		70°C	3.8	---	---		
LED Forward Voltage	VF	25°C	1.9	2.0	2.2	V	
LED Forward Current	IF	25°C	Array	---	---	---	mA
			Edge	16	18	20	mA
EL Power Supply Current	IEF	Vel=110VAC,400Hz	---	---	5.0	mA	

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