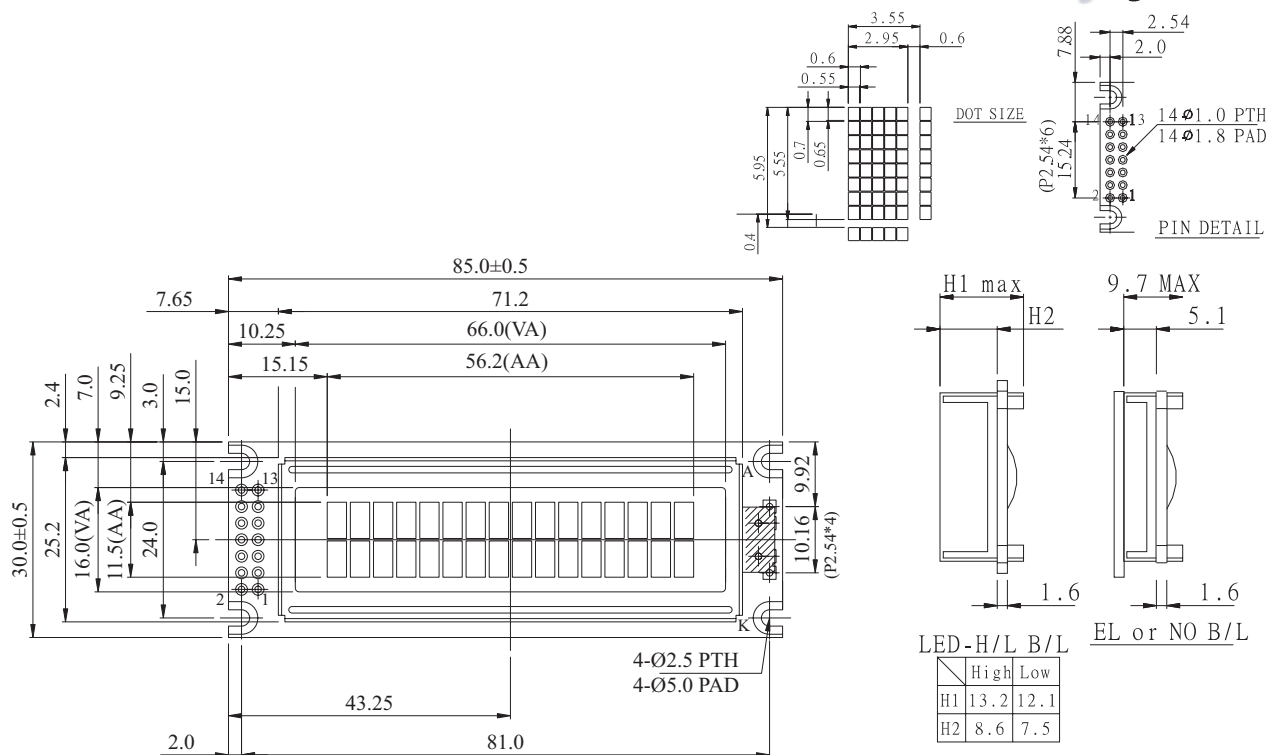


WH1602D Character 16x2

Dimension drawing



Feature

- 1.5x8 dots includes cursor
- 2.Built-in controller (ST 7066 or Equivalent)
- 3.+5 power supply
- 4.1/16 duty cycle
- 5.LED can be driven by pin1, pin2, or A and K
- 6.Optional:smaller character size (2.95x4.35mm)

Pin NO.	Symbol	Function
1	Vdd	Power supply(+5V)
2	Vss	GND
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read / write signal
6	E	H→L Enable signal
7	DB0	H/L Data bus line
8	DB1	H/L Data bus line
9	DB2	H/L Data bus line
10	DB3	H/L Data bus line
11	DB4	H/L Data bus line
12	DB5	H/L Data bus line
13	DB6	H/L Data bus line
14	DB7	H/L Data bus line

Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0x30.0	mm
Viewing Area	66.0x16.0	mm
Mounting hole	81.0 x 24.0	mm
Character Size	2.95x5.55	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	---	7.0	V
Input Voltage	VI	-0.3	---	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		4.7	5.0	5.3	V
Supply Current	IDD	VDD=5V		---	1.2	1.5	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C		---	---	5.2	V
		0°C		---	---	4.2	
		25°C		---	3.8	---	
		50°C		3.5	---	---	
		70°C		3.2	---	---	
LED Forward Voltage	V _F	25°C		---	4.2	4.6	V
LED Forward Current	I _F	25°C	Array Edge	---	100 20	---	mA
EL Power Supply Current	I _{EL}	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														0F
DD RAM Address	40	41														4F

Character type