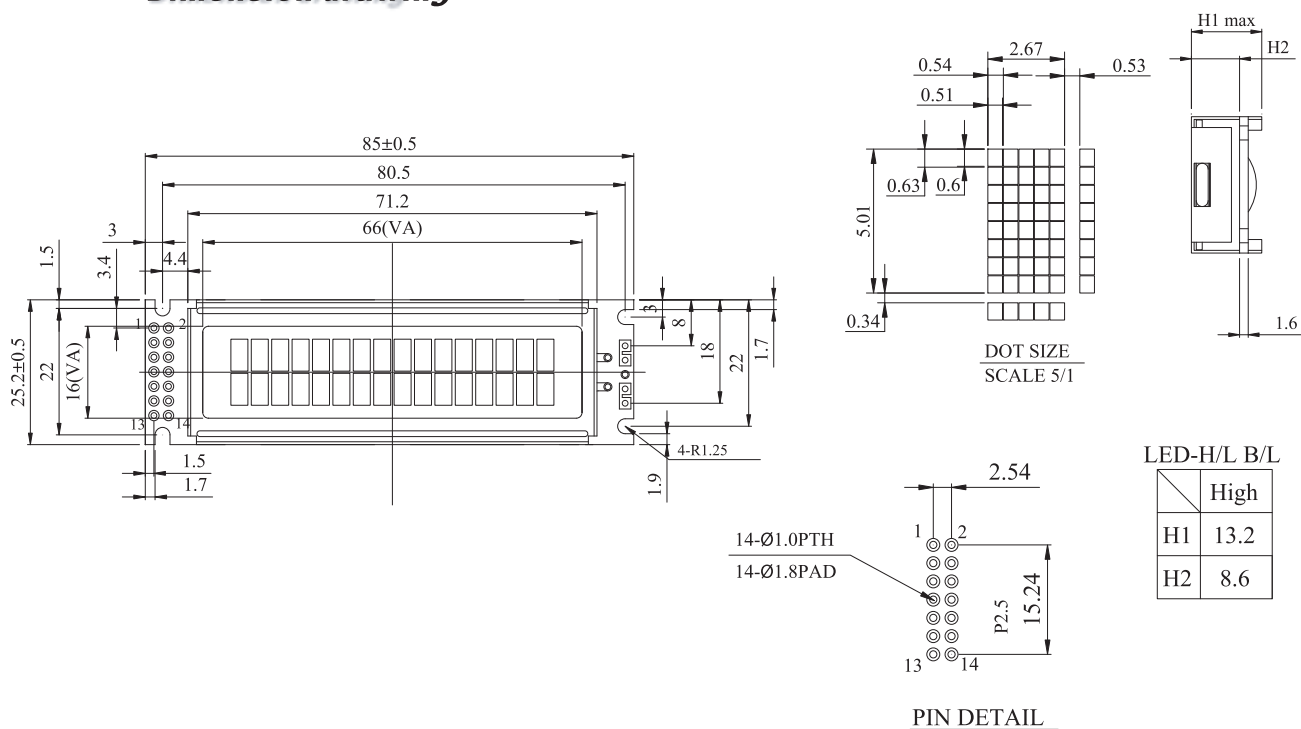


**WP1602P** Character 16x2**Dimension drawing**Graphic
type**Feature**

- 1.PLED 16 Words.2Lines.
- 2.Built in controller(Compatible with HD44780)
- 3.Low power consumption
- 4.High contrast ratio and wide viewing angle
- 5.Compatible with LCD 16X2 type

Mechanical Data

Item	Standard Value	Unit
Module Dimension	85x25.2	mm
Viewing Area	66x16	mm
Mounting hole	80.5x22	mm
Character Size	2.67x5.01	mm

Absolute Maximum Rating

Symbol	Parameter	Min	Typ	Max	Unit
VDD	Supply voliage for Logic	4.5	---	5.5	V
Topr	Operating temperature	-20	---	50	°C
Tatg	Storage temperature	30	---	70	°C
Vbt	Brightness control voliage	2	3	5	V
Tsolder	Soldering Temperature	260°C for S seconds			
Pd	Moduid power consunption @Vbt=3V (Note 1)	50	63	113	mW
Ps	Power saving mode@Vbt=2.5V (Note2)	38	50	63	mW

Item	Operating		Storage	
	Min	Mar	Min	Max
Ambient Temperature	20°C	50°C	30°C	70°C
Humidity	45°C 85%RH		45°C 85%RH	
Corrosive gas	Not Acceptable		Not Acceptable	

Electronical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Power supply voliage	VDD		4.5		5.5	V
Brightness control voliage	VBT		2	3	5	V
Power supply current	Icc	VDD=5V(Ligical only)		0.35	0.6	mA
High level input voltage	nh		0.7VDD		VDD	V
Low level input voltage	Vil		-0.3		0.55	V
Leakage current	Ii		-1		1	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