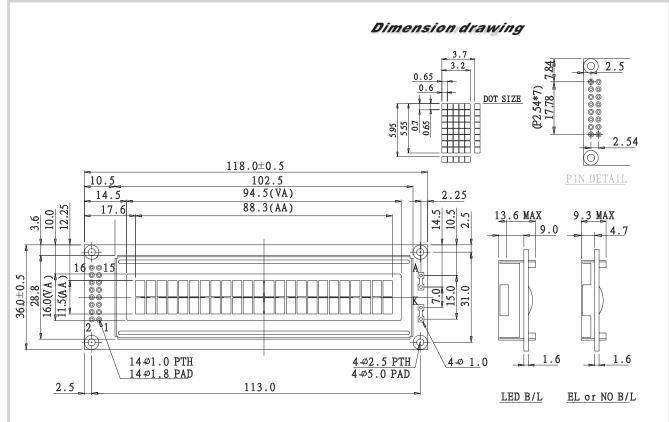
WH2402A Character 24x2



Feature

- 1. 5x8 dots includes cursor
- 2. Built-in controller (ST 7066 or Equivalent)
- 3. +5V power supply (Also available for +3V)
- 4.1/16 duty cycle
- 5. LED can be driven by pin1,pin2,pin15,pin16 or A and K $\,$
- 6. N.V. optional for +3V power supply

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	+3V or + 5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read / write signal
6	Е	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
15	A/Vee	+4.2V for LED(RA=OΩ)/Negative Voltage output
16	К	Power supply for B/L (0V)

Mechanical Data

Item	Standard Value	Unit
Module Dimension	118.0x36.0	mm
Viewing Area	94.5x16.0	mm
Mounting hole	113.0x 31.0	mm
Character Size	3.2x5.55	mm

Absolute Maximum Rating

ltem	Symbol	Stan	Unit			
Item	Symbol	min.	typ.	max.	Unit	
Power Supply	VDD-VSS	-0.3		7.0	V	
Input Voltage	VI	-0.3		VDD	V	

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

Electronical Characteristics

Item	Cumhal	Condition	Stan				
Item	Symbol	Condition	min.	typ.	max.	Unit	
Input Voltage	VDD	VDD=+5V	4.7	5.3	V		
input voltage	VDD	VDD=+3V	2.7	3.0	5.3	v	
Supply Current	IDD	VDD=5V		0.8	1.1	mA	
	VDD-V0	-20°C	5.1	5.3	5.7		
Recommended LC Driving		0°C	4.6	4.9	5.2		
Voltage for Normal Temp.		25°C	4.1	4.5	4.7	V	
Version module		50°C	3.9	4.2	4.5		
		70°C	3.7	3.9	4.3		
LED Forward Voltage	VF	25°C		4.2	4.6	V	
LED Forward Current	ED Forward Current			190	380	mA	
EL Power Supply Current	IEL	Vel=110VAC;400Hz			5.0	mA	

Display Character Address Code: Display position

= · · · · · · · · · · · · · · · · · · ·																
			1	2	3	4	5	6	7	8	9	10	11	12	 	 24
DD	RAM	Address	00	01												17
DD	RAM	Address	40	41												57
DD	RAM	Address Address	40	41												57

type

