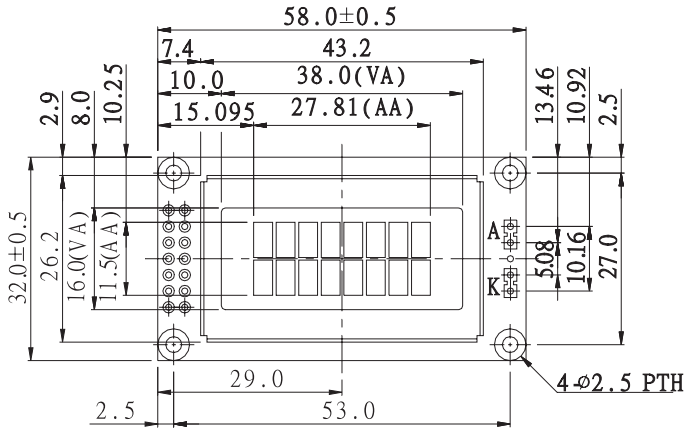
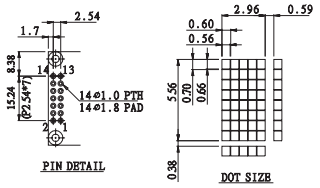
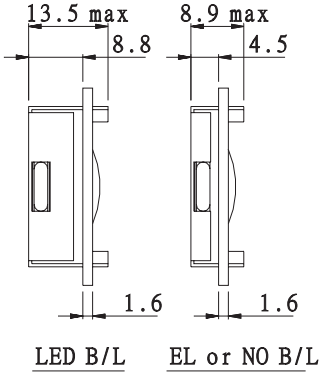
Character 8x2 **WH0802A**

Dimension drawing







Feature

1. 5x8 dots includes cursor
2. Built- in controller (KS 0066 or Equivalent)
3. +5V power supply
4. 1/16 duty cycle
5. LED can be driven by pin1, pin2, or A and K

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	+ 5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/$\overline{W}$	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	58.0 x 32.0	mm
Viewing Area	38.0x16.0	mm
Mounting hole	53.0x 27.0	mm
Character Size	2.96 x 5.56	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.

Electronical 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	---	1.5	1.7	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	4.9	5.2	5.5	V
		0°C	4.5	4.8	5.1	
		25°C	4.1	4.4	4.7	
		50°C	3.8	4.2	4.4	
		70°C	3.5	4.0	4.1	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	70	140	mA
EL Power Supply Current	IEL	Vel=110VAC;400Hz	---	---	5.0	Vrms

Display Character Address Code :

Display position

	1	2	3	4	5	6	7	8
DD RAM Address	00	01						07
DD RAM Address	40	41						47

Character type