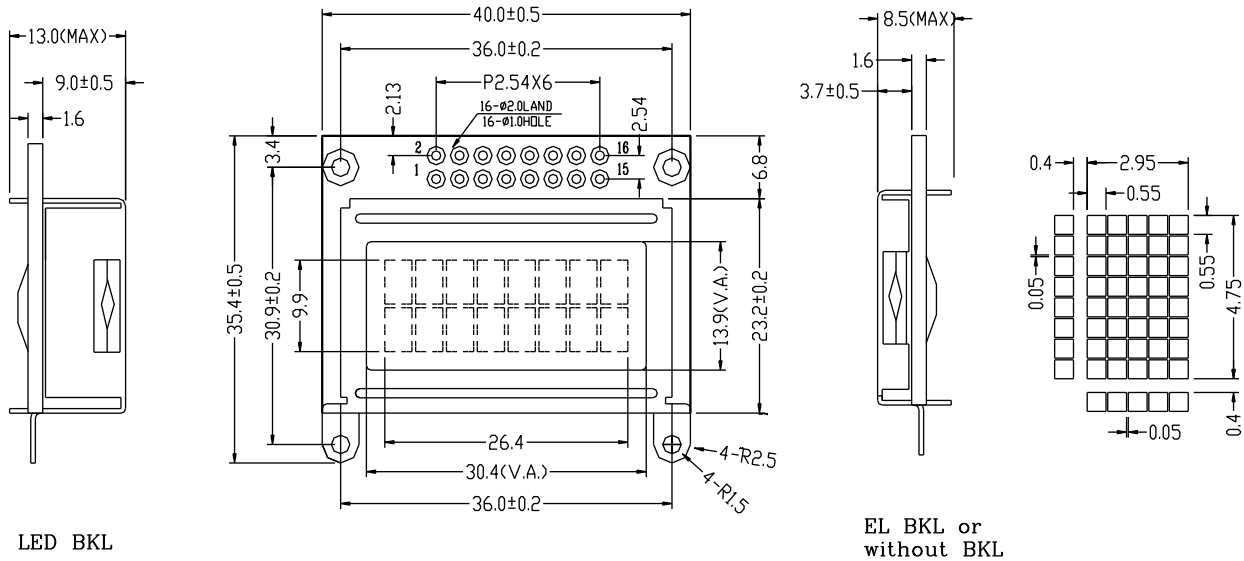


**Outline Dimension**



**Feature**

1. 5X8 dots with cursor
2. Built-in controller (KS0066U or Equivalent)
3. +5V power supply(Also available for +3.0V)
4. 1/16 duty cycle
5. N.V.optional

**Interface pin connections**

PIN NO	Symbol	Function
1	VSS □	GND
2	VDD □	+5V
3	V0	Contrast adjustment
4	RS	H/L Register select signal
5	R/W □	H/LRead/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	Unit
Module dimension	40.0x35.4	mm
Viewing area	30.4x13.9	mm
Dot size	0.55x0.55	mm
Character size	2.95x4.75	mm

**Absolute Maximum Rating**

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	-----	5.5	V
Input voltage	VI	-0.3	-----	VDD	

**Electronical characteristics**

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Input voltage	VDD	+5V	4.7	5.0	5.5	V
		+3.3V	2.7	3.0	5.3	V
Supply current	I <sub>DD</sub>	VDD=5V	-----	1.3	2.5	mA
Recommended LCD driving voltage for normal temp version module	VDD-V0	-20°C	-----	-----	-----	V
		0 °C	4.7	5.0	5.5	
		25°C	4.3	4.5	4.7	
		50°C	4.1	4.3	4.5	
LED forward voltage	VF	25°C	-----	-----	-----	V
LED forward current	IF	25°C	-----	-----	-----	mA
EL power supply current	I <sub>EL</sub>	V <sub>EL</sub> =110V AC 400Hz	-----	-----	-----	mA

**Display character address code:**

Display position

1	2	3	4	5	6	7	8
00	01	02	---	---	---	---	07H
40	41	42	---	---	---	---	47H

DDRAM address