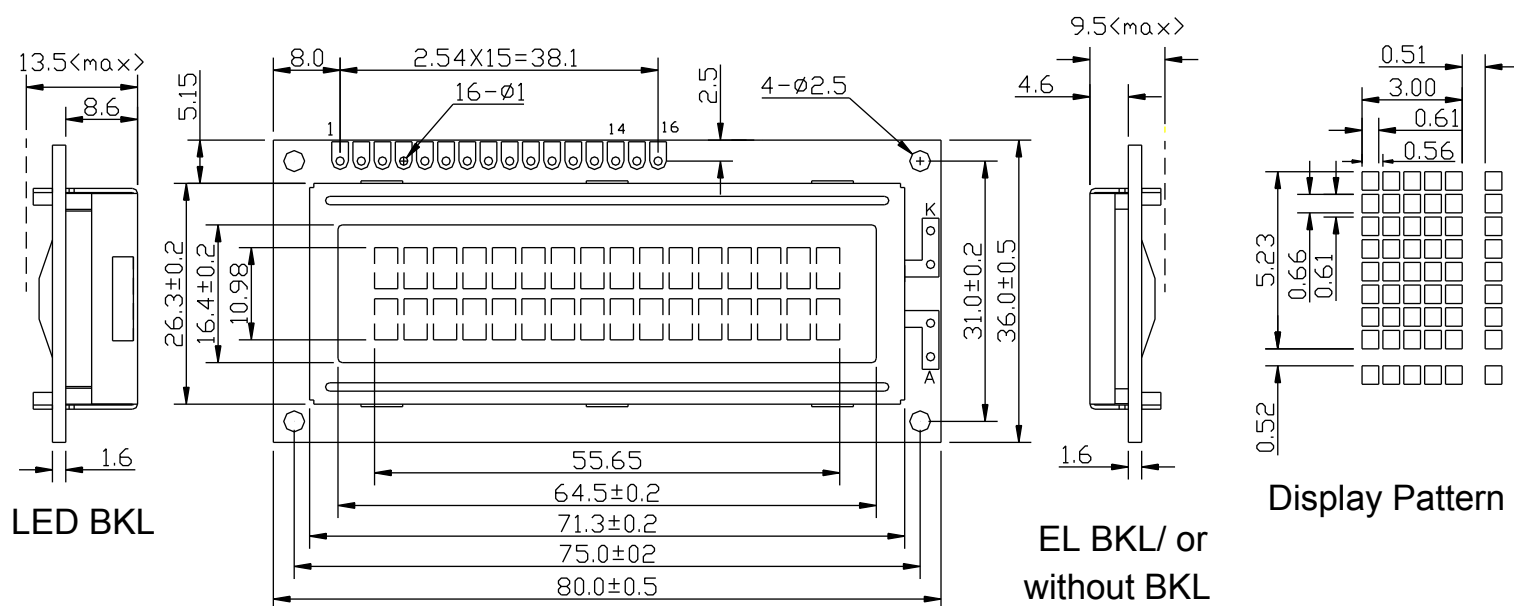




Feature

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
5. BKL to be driven by pin1,pin2,or pin15,pin16,or A,K
6. N.V.optional

PIN NO	Symbol	Fuction
1	VSS	GND
2	VDD	+5V
3	V0	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
15	A	+4.2V for LED
16	K	Power supply for BKL(0V)

Mechanical Data

Item	Standard	Unit
Module dimension	80.0x36.0	mm
Viewing area	64.5x16.4	mm
Dot size	0.56x0.61	mm
Character size	3.00x5.23	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	
<i>Input voltage</i>	<i>VDD</i>	+5V	4.7	5.0	5.5	V
		+3.3V	2.7	3.0	5.3	V
<i>Supply current</i>	<i>I_{DD}</i>	VDD=5V	-----	1.5	4	mA
<i>Recommended LCD riling voltage for normal temp version module</i>	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	
		70°C	-----	-----	-----	
<i>LED forward voltage</i>	<i>V_F</i>	25°C	-----	4.2	4.6	V
<i>LED forward current</i>	<i>I_F</i>	25°C	-----	120	160	mA
<i>EL power supply current</i>	<i>I_{EL}</i>	V _{EL} =110V AC 400Hz	-----	-----	-----	mA

Display character address code:

Display position

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DDRAM address	00	01	02	---	---	---	---	---	---	---						0FH
DDRAM address	40	41	42	---	---	---	---	---	---	---						4FH