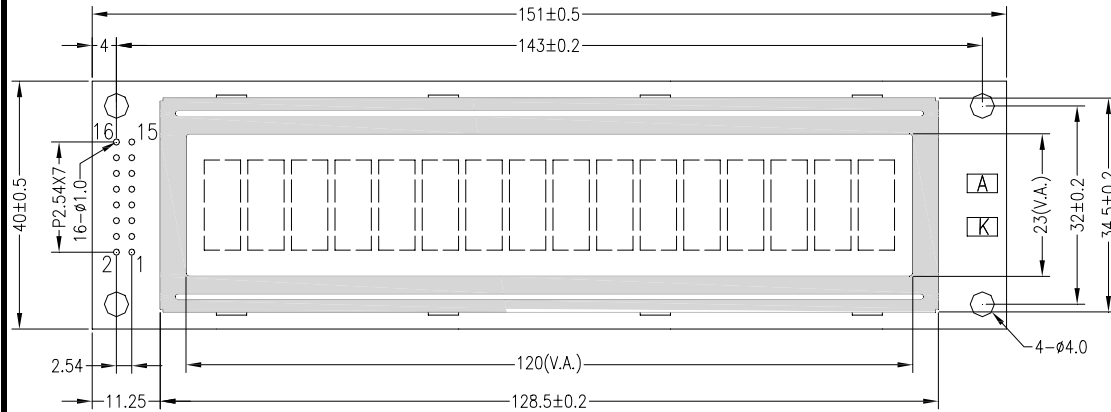
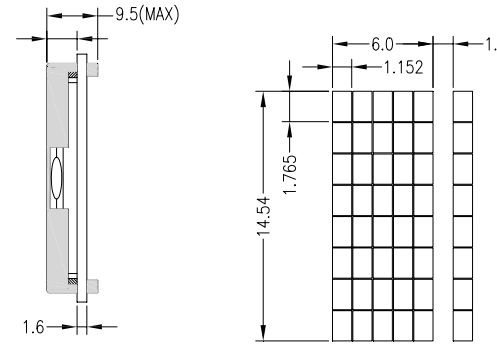


Pin	Symbol
1	VSS
2	VDD
3	V0
4	RS
5	RW
6	E
7~10	DB0-DB3
11~14	DB4-DB7
15	A
16	K

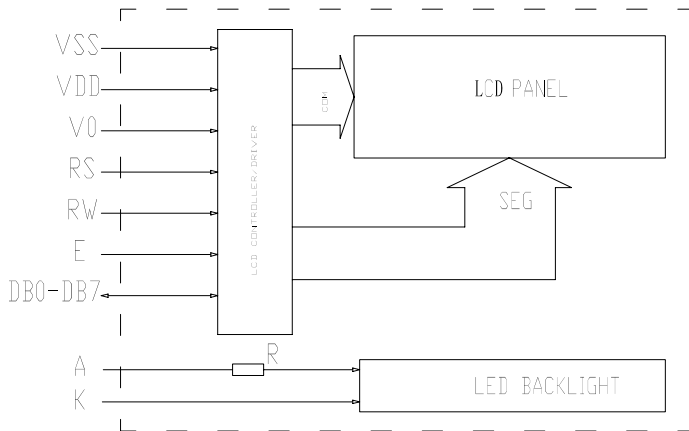
## DOTS DETAIL



## Display character address code

Display position	01	02	---	08	09	---	15	16
DDRAM address	00	01	---	07H	40	---	46	47H

## Block diagram



## Feature

- 16 character \* 1 lines display
- Built-in controller(S6A0069 or compliant)
- with 4-bit or 8-bit parallel interface
- 1/16 Duty cycle, 1/5 Bias.
- Display Mode & Backlight Variations.
- ROHS Compliant

## Mechanical thickness

LCD module	T1	T2	Unit
Without or EL	4.5	9.5	mm
Edge backlight	9.8	14.0	mm
Bottom backlight	9.8	14.0	mm

## Mechanical data

Item	Standard	Unit
Module size	151.0X40.0	mm
View area	120.0X23.0	mm
Dot size	1.15X1.77	mm
Character size	6.00X14.54	mm

## Maximum Absolute Power Ratings

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Input voltage	V <sub>DD</sub>	-0.3	---	5.5	V
Power supply	V <sub>IN</sub>	-0.3	---	V <sub>DD</sub>	

## Electronical characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Operating voltage	V <sub>DD</sub>	V <sub>DD</sub> =5.0V	4.5	---	5.5	V
		V <sub>DD</sub> =3.3V	2.7	3.3	5.5	
Operating current	I <sub>DD</sub>	V <sub>DD</sub> =5.0V	---	1.5	---	mA
Recommended LCD driving voltage for normal temp module	V <sub>LCD</sub>	T <sub>A</sub> =+25	---	4.3	---	V
		T <sub>A</sub> =0	---	4.5	---	
		T <sub>A</sub> =-20	---	4.8	---	
Backlight voltage	V <sub>LED</sub>	Y-G	---	4.2	---	V
Backlight current	I <sub>LED</sub>	V <sub>LED</sub> =4.2V	---	300	---	mA
Operating temperature	T <sub>O</sub>	---	-20	---	70	
Storage temperature	T <sub>S</sub>	---	-30	---	80	