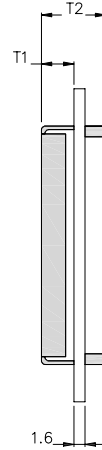
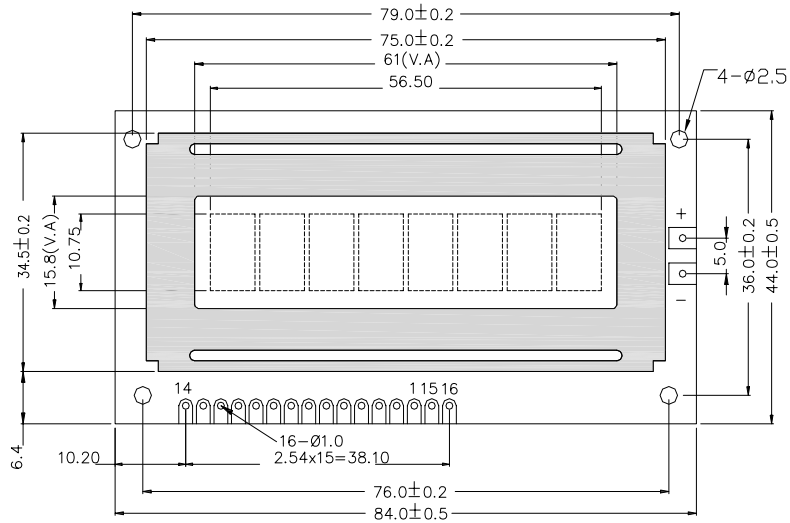
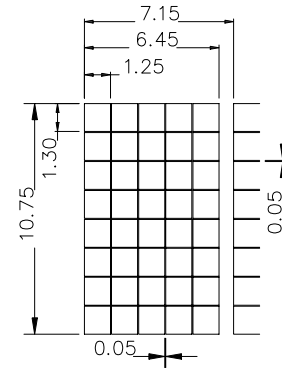


Pin	Symbol
1	VSS
2	VDD
3	V0
4	RS
5	RW
6	E
7~10	DB0~DB3
11~14	DB4~DB7
15	A
16	K



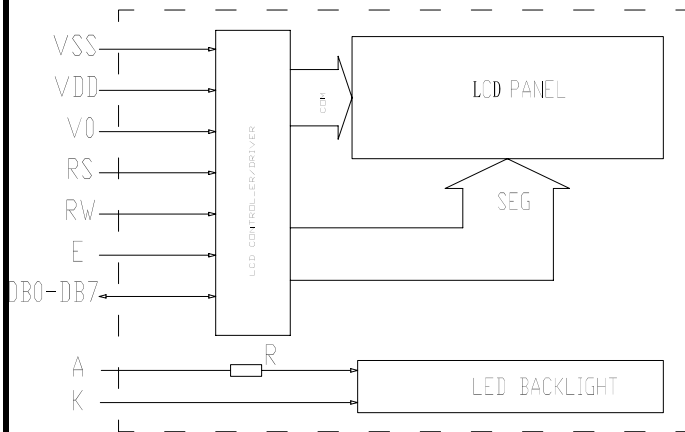
### DOTS DETAIL



### Display character address code

Display position	01	02	03	04	05	06	07	08
DDRAM address	00	01	02	03	04	05	06	07H

### Block diagram



### Feature

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

### Mechanical thickness

LCD module	T1	T2	Unit
Without or EL	4.7	10.0	mm
Edge backlight	8.6	13.5	mm
Bottom backlight	8.6	13.5	mm

### Mechanical data

Item	Standard	Unit
Module size	84.0X44.0	mm
View area	61.0X15.8	mm
Dot size	1.25X1.30	mm
Character size	6.45X10.75	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	---	120	---	mA
Operating temperature	T <sub>O</sub>	---	-20	---	70	
Storage temperature	T <sub>S</sub>	---	-30	---	80	