



### Feature

1. 5x8 dots includes cursor
2. Built-in controller (KS 0066 or equivalent)
3. 1/16 duty cycle
4. EL inverter built-in

### Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply for logic
3	Vo	Operating voltage LCD driving
4	RS	Registor select signal
5	R/W	H/L Read / Write signal
6	E	H→L Enable signal
7	DB4	Data bus line
8	DB5	Data bus line
9	DB6	Data bus line
10	DB7	Data bus line
11	K	Power supply for B/L
12	K	Power supply for B/L
13	A	Power supply for B/L
14	A	Power supply for B/L
15	BLE	H:EL enable L:EL disable
16	NC	No connection
17	DB0	Data bus line
18	DB1	Data bus line
19	DB2	Data bus line
20	DB3	Data bus line

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	56 x 24	mm
Viewing Area	31.6 x 15.1	mm
Mounting hole	50 x 18	mm
Character Size	4.91 x 3.0	mm

### Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	--	5	5.5	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	--	--	--	V
Supply Current	IDD	VDD=+5V	--	--	--	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	--	--	5.5	V
		0°C	--	--	4.5	
		25°C	--	4.5	--	
		50°C	4.2	--	--	
		70°C	3.8	--	--	

### Display Character Address Code

Display position	1	2	3	4	5	6	7	8
DD RAM Address	00	01	02	03	04	05	06	07
DD RAM Address	40	41	42	43	44	45	46	47