



Interface		
Pin no	Symbol	Function
1	VSS	Power supply (GND)
2	VDD	Power supply(+)
3	VO	Contrast Adjustment
4	VEE	Negative Voltage Out
5	RS	Data / Instruction select
6	R/W	Read / Write select
7	E	Enable Signal
8	DB0	Date bus line
9	DB1	Date bus line
10	DB2	Date bus line
11	DB3	Date bus line
12	DB4	Date bus line
13	DB5	Date bus line
14	DB6	Date bus line
15	DB7	Date bus line
16	/CS1	L→Chip1 Enable
17	/CS2	L→Chip2 Enable
18	/CS3	L→Chip3 Enable
19	RES	Reset signal
20	LEDA	LED B/L (+)
21	LEDK	LED B/L (-)

Feature			
Controller	KS0107	Module	120 x 62
Duty	1/64 duty	Viewing Area	104 x 39
Bias	1/9 bias	Mounting hole	115 x 57
B/L	Y/G	Character Size	0.458 x 0.458

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vss	25°C	-0.3	13	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°C	4.5	-	5.5	V
LCD operation voltage	Vop	25°C	-	10.8	-	V
LED Forward Voltage	VF	25°C	-	4.2	-	V
LED Forward Current	IF	25°C	-	510	-	mA