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BLOCK DIAGRAM
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PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	RES	Reset
5	CS	Chip select
6	RS	Command / data select
7	WR	Data write
8	RD	Data read
9~16	DB0-DB7	Data bus line
17	A	Power supply for LED B/L (+)
18	K	Power supply for LED B/L (-)

ABSOLUTE MAXIMUM RATING									
Item	Symbol	Condition	Min.		Max.		Units		
Supply for logic voltage	Vdd-Vss	25°C	-0.3		6.0		V		
LCD driving supply voltage	Vdd-Vee	25°C	-0.3		15.0		V		
Input voltage	Vin	25°C	-0.3		Vdd+0.3		V		
ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	1.8		—		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	—	11.4	—	11.6	—	10.6	V
		0°C	—	—	—	—	—	—	V
		25°C	—	10.3	—	10.5	—	9.6	V
		50°C	—	—	—	—	—	—	V
		70°C	—	9.0	—	8.2	—	8.6	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		2.5		5		mA
Backlight current consumption	LED/edge	VB/L=4.2V	—		80		—		mA
	LED/array	VB/L=4.2V	—		—		—		mA