

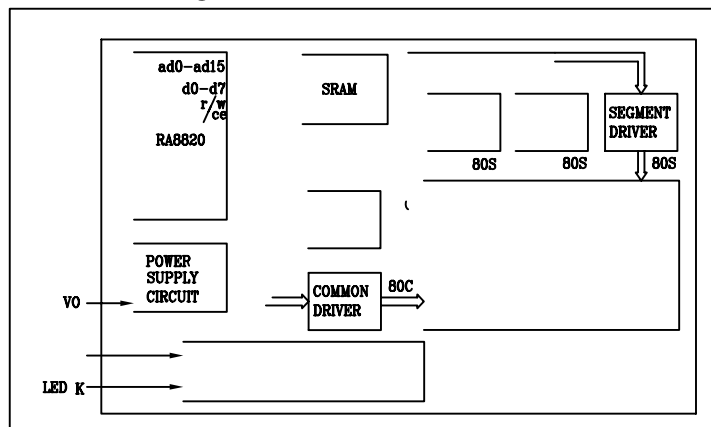
ITEM	SYMBOL	MIN.	MAX.	UNIT
POWER SUPPLY(VDD)	V <sub>DD</sub>	-0.3	7.0	V
INPUT VOLTAGE	V <sub>i</sub>	-0.3	VDD+0.3	V
OPERATING TEMP	T <sub>op</sub>	-20	+70	°C
STORAGE TEMP	T <sub>st</sub>	-30	+80	°C

J1 PIN DESCRIPTION			
PIN	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Ground
2	VDD	H	Power Supply For Logic
3	V <sub>0</sub>	--	Power Supply For LCD
4	C/D	H/L	H:Instruction Code L:Data Code
5	/WR	L	Write Signal
6	/RD	L	Read Signal
7-14	DB0-DB7	H/L	Data Bus
15	/CE	L	Chip Enable Signal
16	NC	--	NC
17	/RST	L	Reset Signal
18	VEE	--	Negative Voltage For LCD Driving
19	LEDA	H	Backlight anod
20	LEDK	L	Backlight Negative

### Feature

ITEM	STANDARD VALUE
Display Type	240 x 160 Dots
LCD Type	STN(Blue/Yellow-Green/Gray) ; FSTN
Drive Method	1/160Duty, 1/13Bias, VOP18.0V
Viewing Angle	6 O'clock ; 12 O'clock
Backlight Color	White ; Yellow-Green
Control IC	RA8820

### Driver Diagram



FFC PIN DESCRIPTION			
PIN	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Ground
2	VDD	H	Power Supply For Logic
3	V <sub>0</sub>	--	Power Supply For LCD
4	C/D	H/L	H:Instruction Code L:Data Code
5	/WR	L	Write Signal
6	/RD	L	Read Signal
7-14	DB0-DB7	H/L	Data Bus
15	/CE	L	Chip Enable Signal
16	NC	--	NC
17	/RST	L	Reset Signal
18	VEE	--	Negative Voltage For LCD Driving