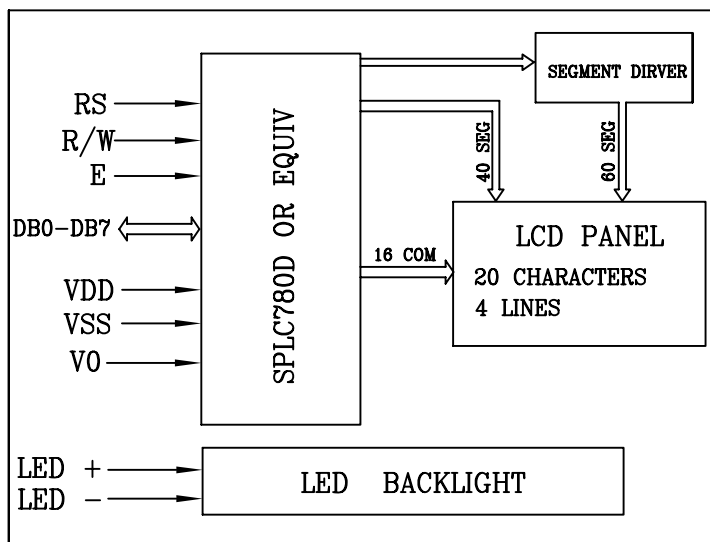


ITEM	SYMBOL	MIN.	MAX.	UNIT
POWER SUPPLY(VDD)	V _{DD}	-0.3	7.0	V
INPUT VOLTAGE	V _i	-0.3	VDD+0.3	V
OPERATING TEMP	T _{OP}	-20(heater)	+70(heater)	°C
STORAGE TEMP	T _{st}	-30(heater)	+80(heater)	°C

ITEM	STANDARD VALUE
Display Type	20(Character) x 4 (Row)
LCD Type	STN(Gray)
Drive Method	1/16Duty, 1/5Bias, VOP 4.7V
Viewing Angle	6 0'clock
Backlight Color	White
Control IC	SPLC780D

Driver Diagram



PIN DESCRIPTION			
PIN	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Ground
2	VDD	H	Power Supply For Logic
3	V0	--	Power Supply For LCD
4	RS	H/L	H:Data L:Instruction Code
5	RW	H/L	H:Read L:Write
6	E	H	Chip Enable Signal
7-14	DB0-DB7	H/L	Data Bus
15	LEDA	H	Backlight Anod
16	LEDK	L	Backlight Negative
17	HTR+	H	12V
18	HTR-	L	0V (vss)