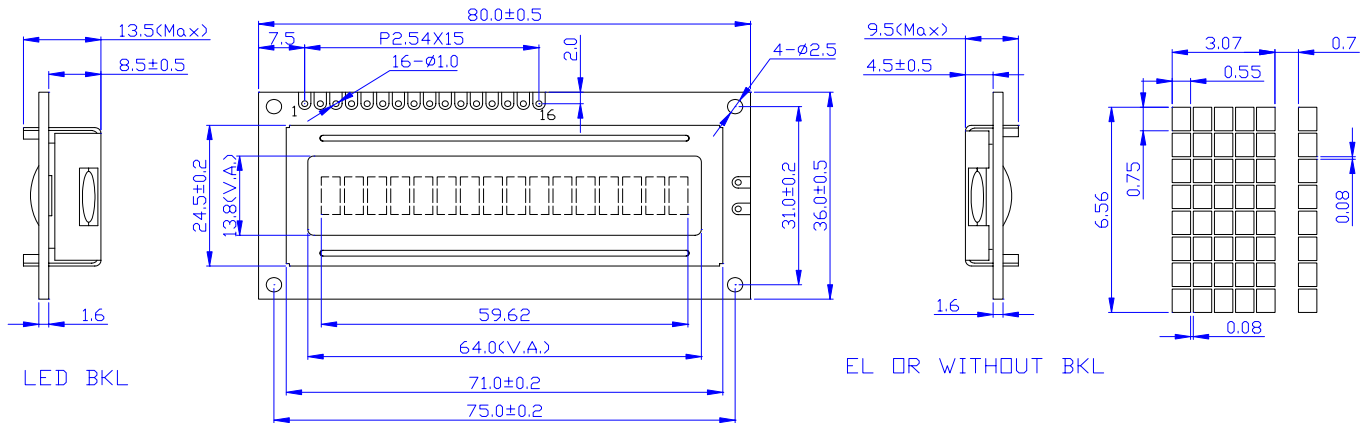
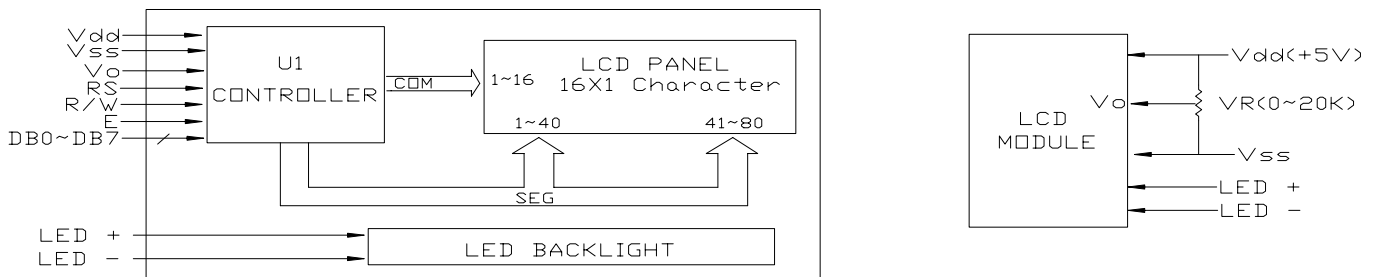


OUTLINE DIMENSION



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPEC. & FEATURES

Item	Dimension(mm)	Features	
Module Size(W × H × T)	80.0X36.0X9.5/13.5	LC Fluid	TN,STN (Yellow-green, Gray, Blue),FSTN
Viewing Area(W × H)	64.0X13.8	Polarizer	Reflective, Transflective, Transmissive
Dot Size(W × H)	0.55X0.75	View Angle	6:00 o'clock or 12:00 o'clock
Dot Pitch(W × H)	0.63X0.83	Display Type	Positive or Negative
Character Size(W × H)	3.07X6.56	Backlight	LED (Optional)
Character Pitch(W × H)	3.77X --	Operating Temp.	0 ~50 or -20 ~70
		Controller	S6A0069 or Equivalent

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	Vss	Ground for logic	6	E	Enable signal
2	Vdd	Power supply for logic	7~14	DB0~DB7	Data bus lines
3	Vo	Power supply for LCD	15	A	BKL +
4	RS	Register selection (H:Data, L:Instruction)	16	K	BKL -
5	R/W	Read/Write selection (H: R, L: W)			

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25	---	5.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25	---	4.5	---	V
Supply Current	Idd	Ta=25 , Vdd=5.0V	---	2.0	3.0	mA
Supply Voltage for LED	Vf	Ta=25 , R=6.8Ω	---	4.2	---	V
Supply Current for LED	If	Ta=25 , Vf=4.2V	---	190	---	mA