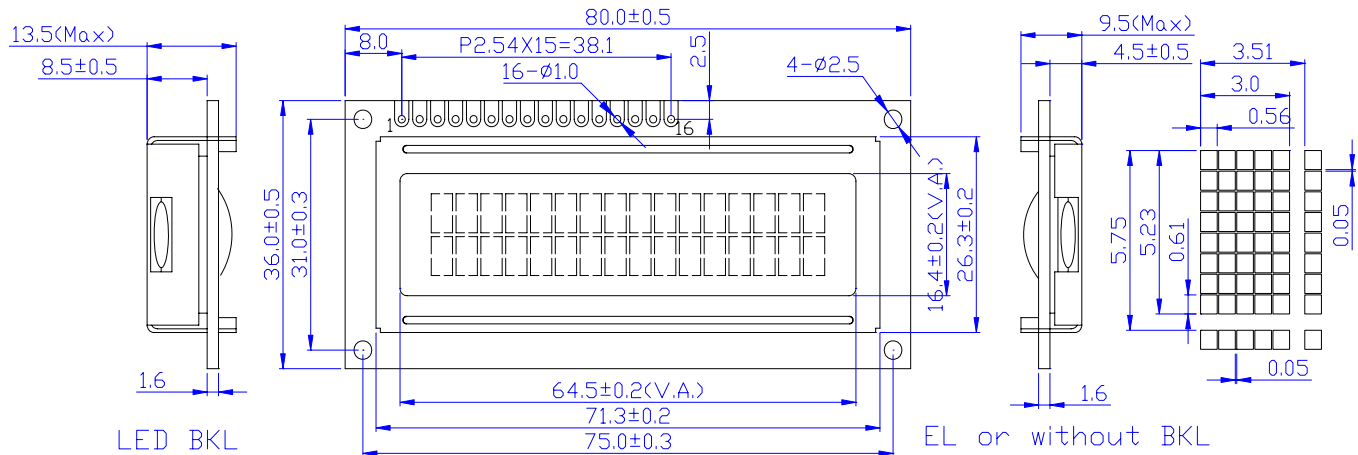
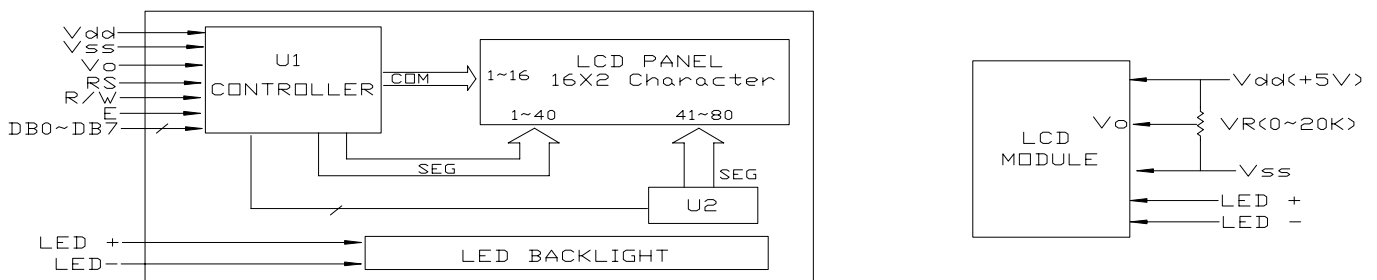


◆ **OUTLINE DIMENSION**



◆ **BLOCK DIAGRAM & POWER SUPPLY**



◆ **MECHANICAL SPEC. & FEATURES**

Item	Dimension(mm)	Features	
Module Size(W×H×T)	80.0×36.0×9.5/13.5	LC Fluid	STN (Yellow-green, Gray, Blue), FSTN
Viewing Area(W×H)	64.5×16.4	Polarizer	Reflective, Transflective, Transmissive
Dot Size(W×H)	0.56×0.61	View Angle	6:00 o'clock or 12:00 o'clock
Dot Pitch(W×H)	0.61×0.66	Display Type	Positive or Negative
Character Size(W×H)	3.0×5.23	Backlight	LED (Optional)
Character Pitch(W×H)	3.51×5.75	Operating Temp.	0℃~50℃ or -20℃~70℃
		Controller	S6A0069 or Equivalent

◆ **INTERFACE PIN CONNECTIONS**

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	V _{SS}	Ground for logic	6	E	Enable signal
2	V _{DD}	Power supply for logic	7~14	DB0~DB7	Data bus lines
3	V ₀	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	V _{DD}	Ta=25℃	---	5.0	---	V
Operating Voltage for LCD	V _{LCD}	Ta=25℃	---	4.5	---	V
Supply Current	I _{DD}	Ta=25℃, V _{DD} =5.0V	---	2.0	3.0	mA
Supply Voltage for LED	V _f	Ta=25℃, R=6.8Ω	---	4.2	---	V
Supply Current for LED	I _f	Ta=25℃, V _f =4.2V	---	120	---	mA