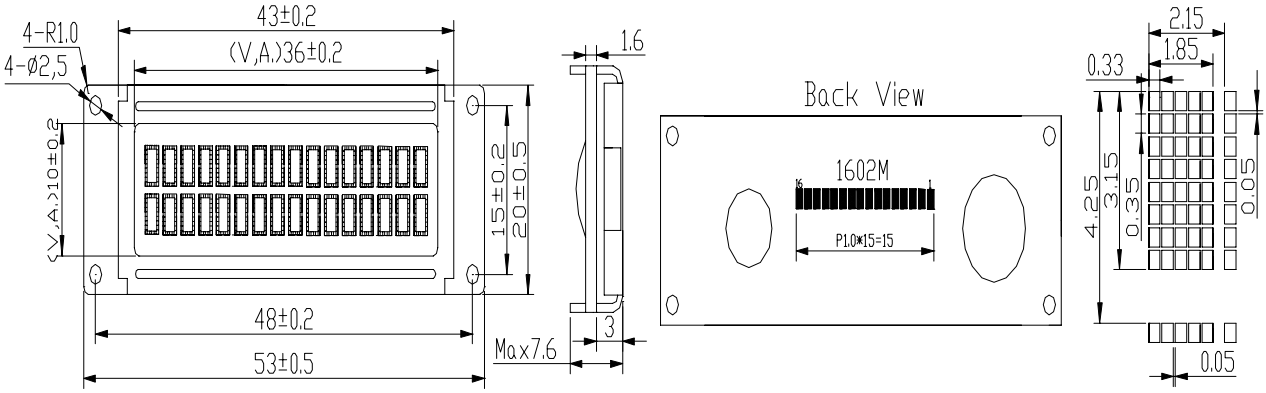
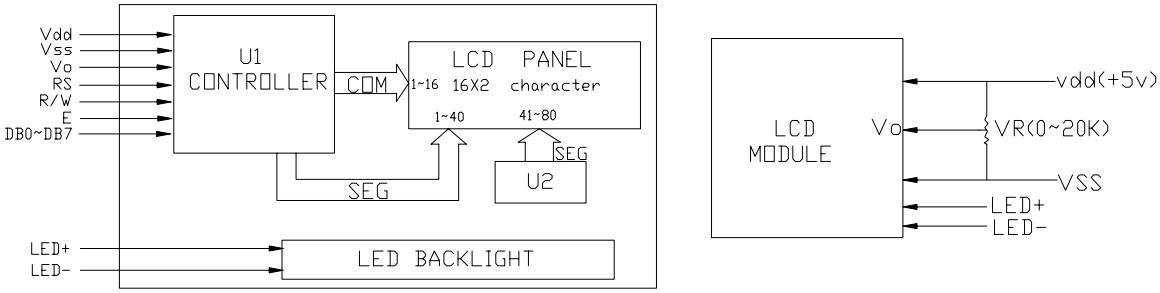
LCD MODULE VSTM-1602M

●OUTLINE DIMENSION



●BLOCK DIAGRAM & POWER SUPPLY



●MECHANICAL SPEC.&FEATURES

Item	Dimension(mm)
Module Size(W×H×T)	84.0×44.0×9.5/13.5
Viewing Area(W×H)	64.5×16.4
Dot Size(W×H)	0.56×0.61
Dot Pitch(W×H)	0.61×0.66
Character Size (W×H)	3.00×5.23
Character Pitch(W×H)	3.51×5.75

Features	
LC Fluid	TN,STN(Yellow-green,Gray,Blue),FSTN
Polarizer	Reflective,Transflective,Transmissive
View Angle	6:00 o'clock or 12:00 o'clock
Display Type	Positive or Negative
Backlight	LED(Optional)
Operating Temp.	0℃～50℃ or -20℃～70℃
Controller	S6A0069 or Equivalent

●INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Function
1	Vss	Ground for logic
2	Vdd	Power supply for logic
3	Vo	Power supply for LCD
4	RS	Register selection(H:Data,L:Instruction)
5	R/W	Read/Write selection(H:R,L:W)

Pin No.	Symbol	Function
6	E	Enable signal
7～14	DB0～DB7	Data bus lines
15	A	BKL+
16	K	BKL-

●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	…	…	…	V
Supply Current for LED	If	Ta=25℃,Vf=4.2V	…	…	…	mA

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