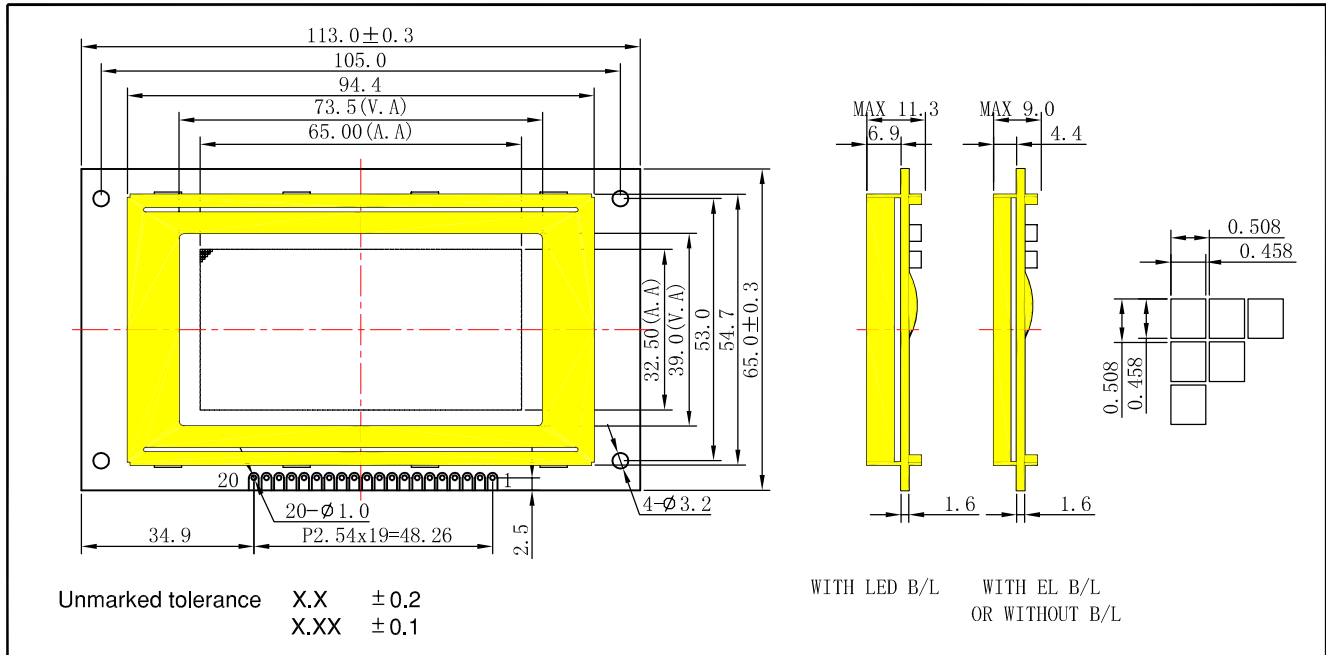
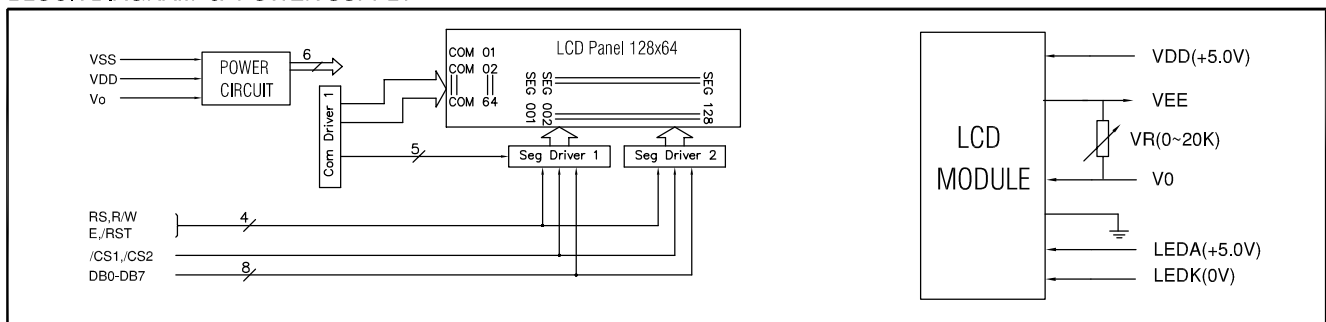


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	113.0x65.0x9.0/11.3	LCD Type	STN, FSTN
View Area (W*H)	73.5x39.0	LCD Colour	STN:Yellow-Green, Gray FSTN:Gray
DotsxDots (W*H)	128x64	View Angle	6 O'clock, 12 O'clock
Dot Pitch (W*H)	0.508x0.508	Display Type	Positive Type, Negative Type
Dot Size (W*H)	0.458x0.458	Rear polarizer	Transmissive, Reflective, Transflective
---	---	Operating Temperature	0°C ~ 50°C, -20°C ~ 70°C
---	---	Backlight	LED:Yellow EL:Green, Blue-Green, Blue Without

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25° C	---	5.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25° C	---	8.7	---	V
Supply Current	Idd	Ta=25° C, Vdd=5.0V	---	3.0	4.0	mA
Supply Current for Backlight(LED)	If	Ta=25° C, Vf=4.2V	---	150	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	—	Ground for Logic
2	VDD	—	Power supply for Logic(+5.0V)
3	Vo	—	Power supply for LCD drive
4	RS	H/L	Register selection (H:Data register, L:Instruction register)
5	R/W	H/L	Read/write selection (H:Read,L:Write)
6	E	H/H—L	Enable signal for LCM
7	DB0-DB7	H/L	Data Bus lines
8-15	CS1	*H/L(option:H L)	Chip select signal for left half of the panel
16	CS2	*H/L(option:H L)	Chip select signal for right half of the panel
17	/RST	L	Reset signal
18	VEE	—	Negative voltage output
19	LEDA	—	Power supply for Backlight(+)
20	LEDK	—	Power supply for Backlight(-)

REMARK

Operating voltage option: 5.0V or 3.0V
Pin19 and Pin20 electrode(A, K) can be exchanged
Negative type LCD colour: Blue