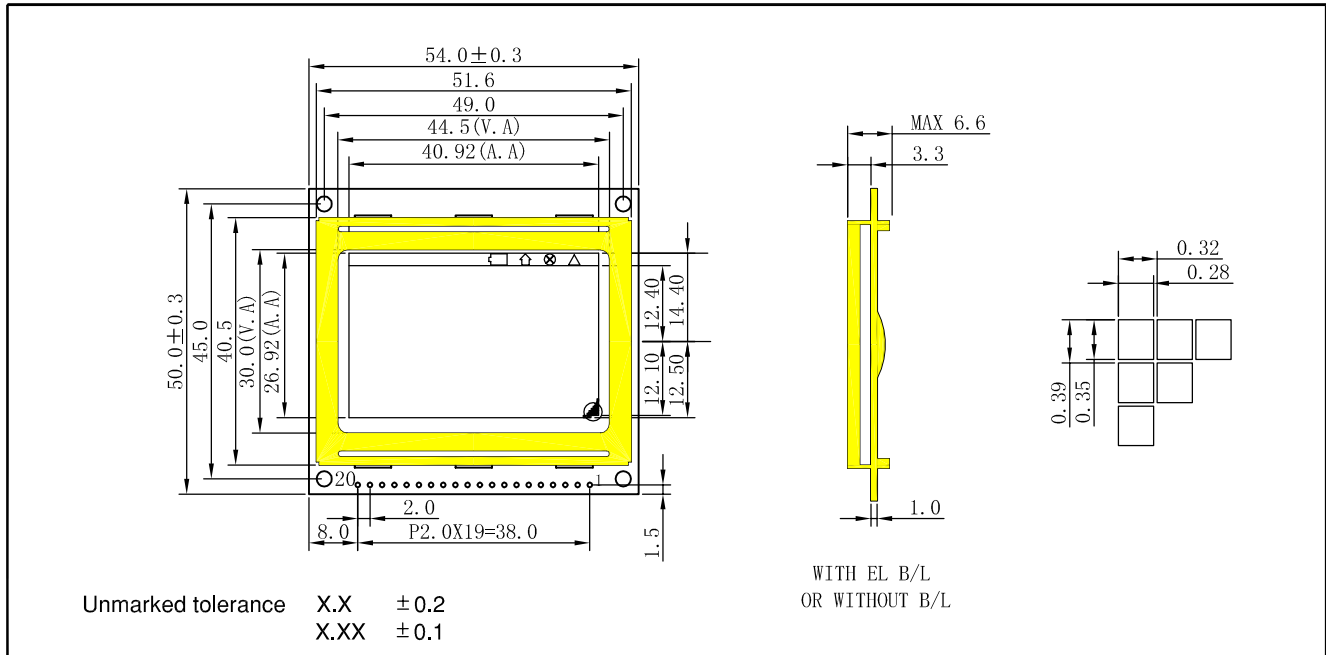
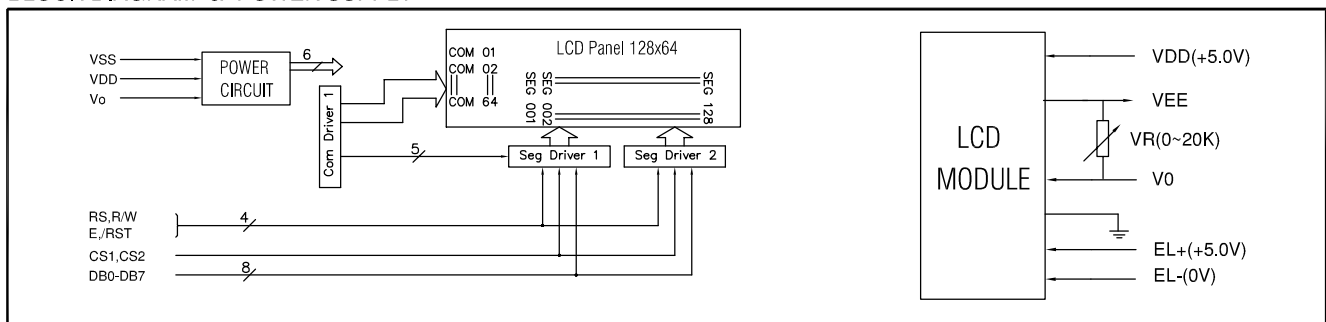


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	54.0x50.0x6.6	LCD Type	STN, FSTN
View Area (W*H)	44.5x30.0	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	128x64	View Angle	6 O'clock, 12 O'clock
Dot Pitch (W*H)	0.32x0.39	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.28x0.35	Rear polarizer	Transmissive、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C、-20°C ~ 70°C
---	---	Backlight	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	---	2.0	3.0	mA
Supply Current for Backlight(EL)	If	Ta=25° C, Vf=5.0V	---	15	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	VDD	--	Power supply for Logic(+5.0V)
3	V0	--	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	Chip select signal for left half of the panel
16	CS2	H	Chip select signal for right half of the panel
17	/RST	L	Reset signal
18	VEE	--	Negative voltage output
19	EL1	--	Power supply for EL Backlight
20	EL2	--	Power supply for EL Backlight

REMARK
Operating voltage option: 5.0V or 3.0V
Negative type LCD colour: Blue