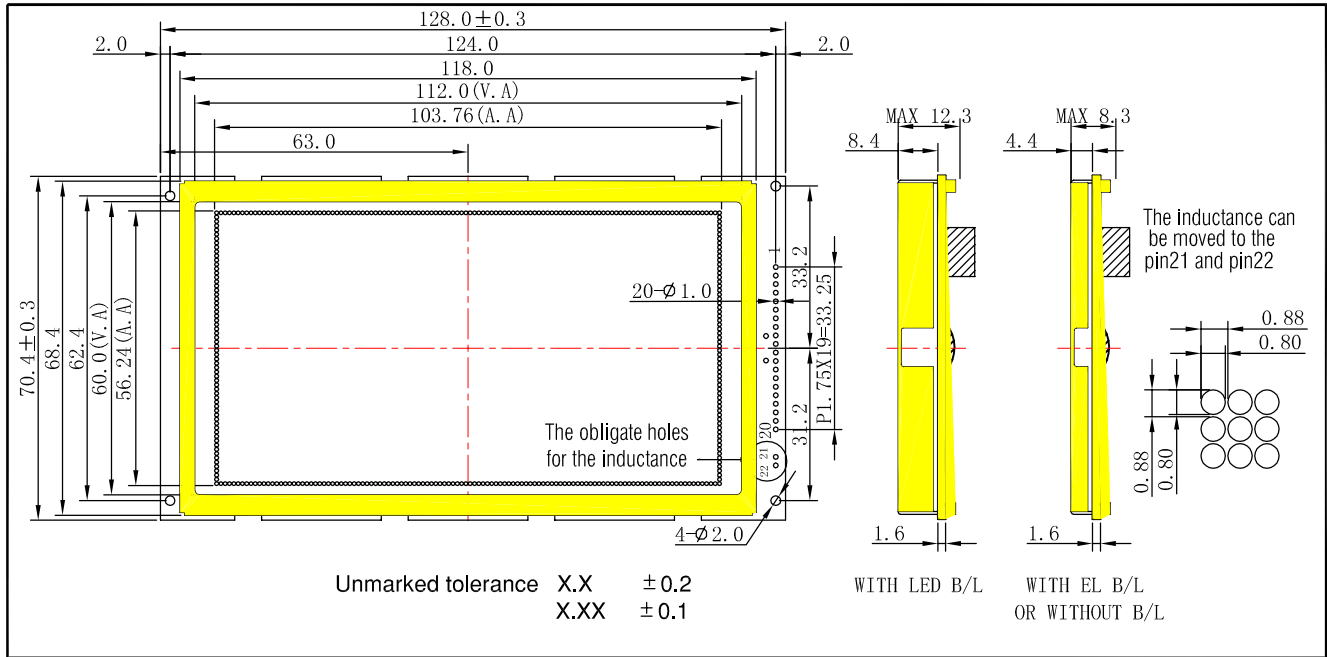
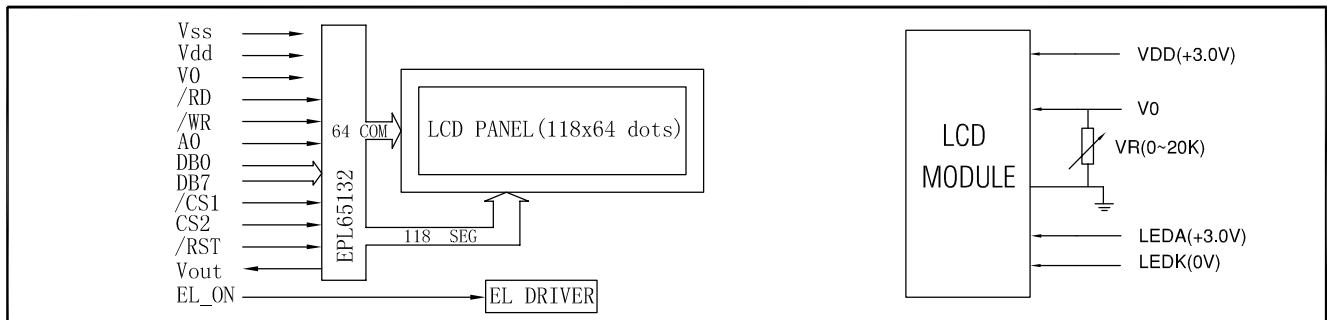


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	128.0x70.4x8.3/12.3	LCD Type	STN、FSTN
View Area (W*H)	112.0x60.0	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	118x64	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.88x0.88	Display Type	Positive Type、Negative Type
Dot Size (Diameter)	0.80	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	---	3.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25° C	---	9.0	---	V
Supply Current	Idd	Ta=25° C, Vdd=3.0V	---	2.0	3.0	mA
Supply Current for Backlight(EL)	If	Ta=25° C, Vdd=3.0V	---	20	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	VDD	--	Power supply for Logic(+3.0V)
3	Vo	--	Power supply for LCD drive
4	/RD	L	Read signal
5	/WR	L	Write signal
6	RS	H/L	Register selection (H:Data register, L:Instruction register)
7-14	DB0-DB7	H/L	Data Bus lines
15	/CS1	L	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	--	Voltage converter output
19	EL ON	H	Enable for EL drive
20	NC	--	No Connection

REMARK

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