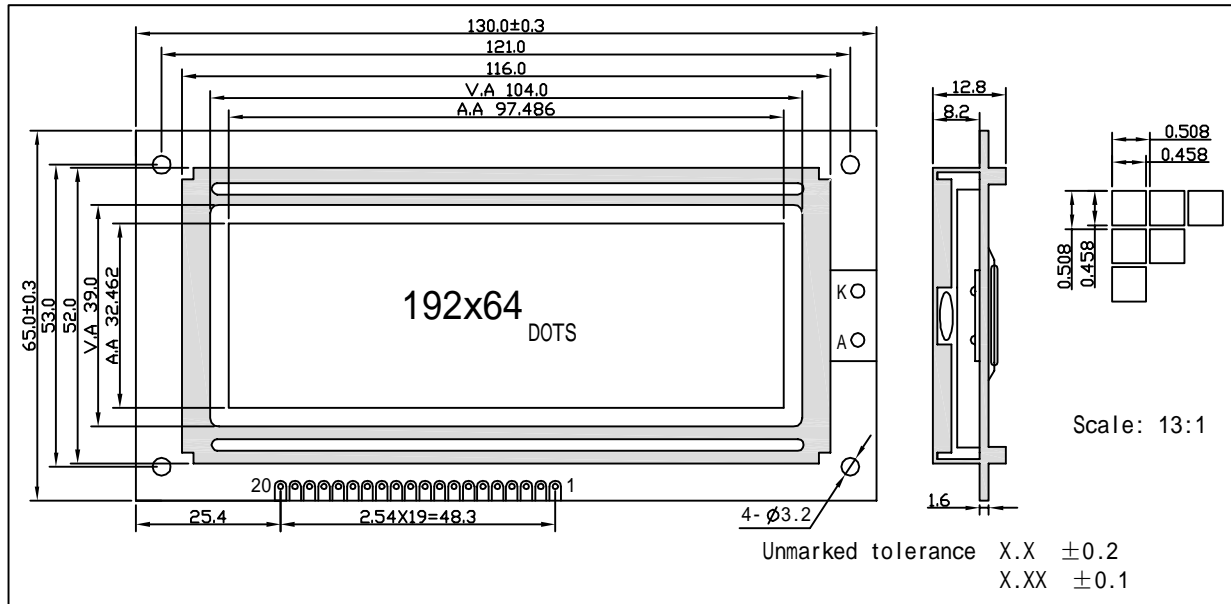


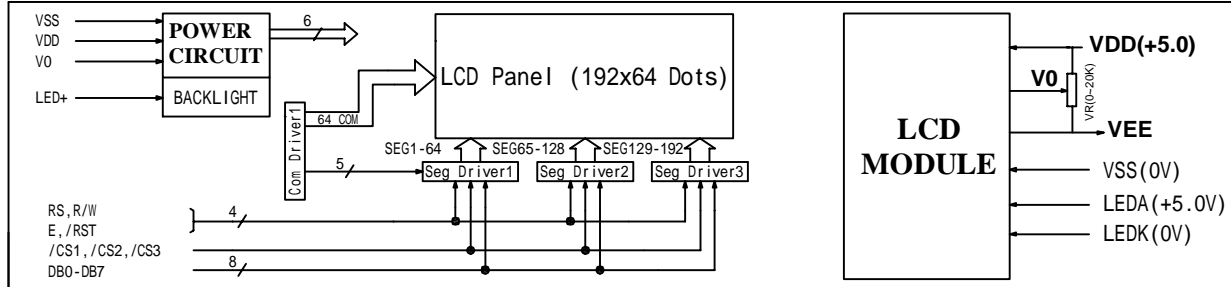
ZL19264A1 Series

192x64 DOTS
1/64 DUTY, 1/9 BIAS
GRAPHIC-COB

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

item	Normal Dimensions(mm)	Feature	
Module Size(W*H*T)	130.0x65.0x12.8MAX	LCD Type	STN FSTN
View Area(W*H)	104.0x39.0	LCD Colour	STN:Yellow-Green ,Gray Other:Gray
DotsxDots(W*H)	192x64	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℃ ~50℃ , -20℃ ~70℃
---	---	Backlight	LED: Yellow

ELECTRICAL CHARACTERISTICS

item	Symbol	Test Condition	Min.	Type.	Max.	Unit
Operating Voltage	Vdd	Ta=25℃	---	5.0V	---	V
Operating Voltage for LCD	Vlcd	Ta=25℃	---	10.5	---	V
Supply Current	Idd	Ta=25℃,Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	If	Ta=25℃,Vf=4.2V	---	300	---	mA

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	VDD	--	Power supply for Logic
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/L → L	Enable signal for LCM
7-14	DB0-DB7	H/L	Data Bus lines
15	/CS1	L	Chip Select Signal for left Half of the panel
16	/RST	L	Reset signal
17	/CS2	L	Chip Select Signal for middle Half of the panel
18	/CS3	L	Chip Select Signal for right Half of the panel
19	VEE	--	Negative voltage output
20	BL+	--	Power supply for backlight(+)

REMARK

1.File Version:01