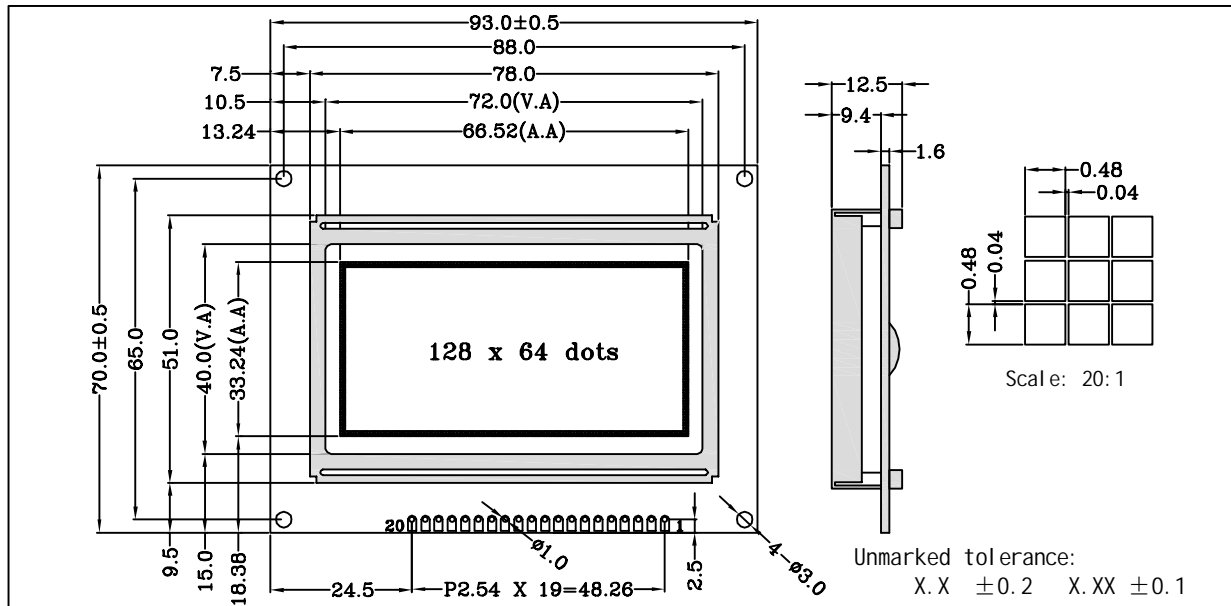


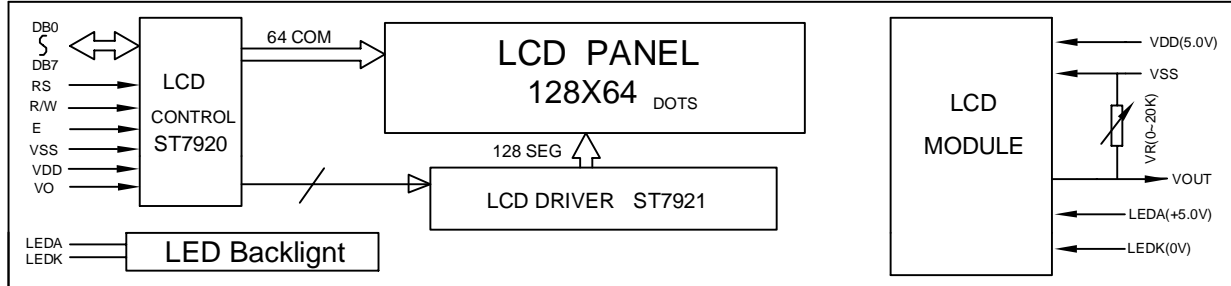
ZL12864K01 Series

128x64 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)	93.0x70.0x13.5MAX	LCD Type	STN FSTN
View Area(W*H)	72.0x40.0	LCD Colour	Yellow-Green ,Gray , Blue
DotsxDots(W*H)	128x64	View Angle	6 O'clock , 12 O'clock
Dot Pitch(W*H)	0.52x0.52	Display Type	Positive Type,Negative Type
Dot Size(W*H)	0.48x0.48	Rear Polarizer	Transmissive,Reflective ,Transflective
---	---	Operating Temperature	0°C - +50°C , -20°C - +70°C
---	---	Backlight	LED: Yellow-Green, Blue,White,Green

ELECTRICAL CHARACTERISTICS

item	Symbol	Test Condition	Min.	Type.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	5.0V	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	13.0V	---	V
Supply Current	Idd	Ta=25°C,Vdd=5.0V	---	3.0	4.0	mA
Supply Current for Backlight	If	Ta=25°C,Vf=4.1V	---	150	---	mA

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1	VSS	L	Ground for Logic
2	VDD	H	Power supply for Logic
3	V0	--	Power supply for LCD drive
4	RS(CS)	H/L	Register select (Parallel mode); Chip select (Serial mode)
5	R/W(SID)	H/L	H: Read; L: Write (Parallel mode); Serial data input (Serial mode)
6	E(SCLK)	H/L → L	Enable signal (Parallel mode); Serial clock (Serial mode)
7-14	DB0-DB7	H/L	Data Bus Lines
15	PSB	H/L	H: Parallel mode; L: Serial mode
16	NC	--	No connection
17	/RST	L	Reset signal
18	VOOUT	--	Internal Booster Voltage Output
19	LEDA	H	Power supply for backlight(+5.0V)
20	LEDK	L	Power supply for backlight(0V)

REMARK

1.Negative type LCD colour : Bule. 2.File Version:01