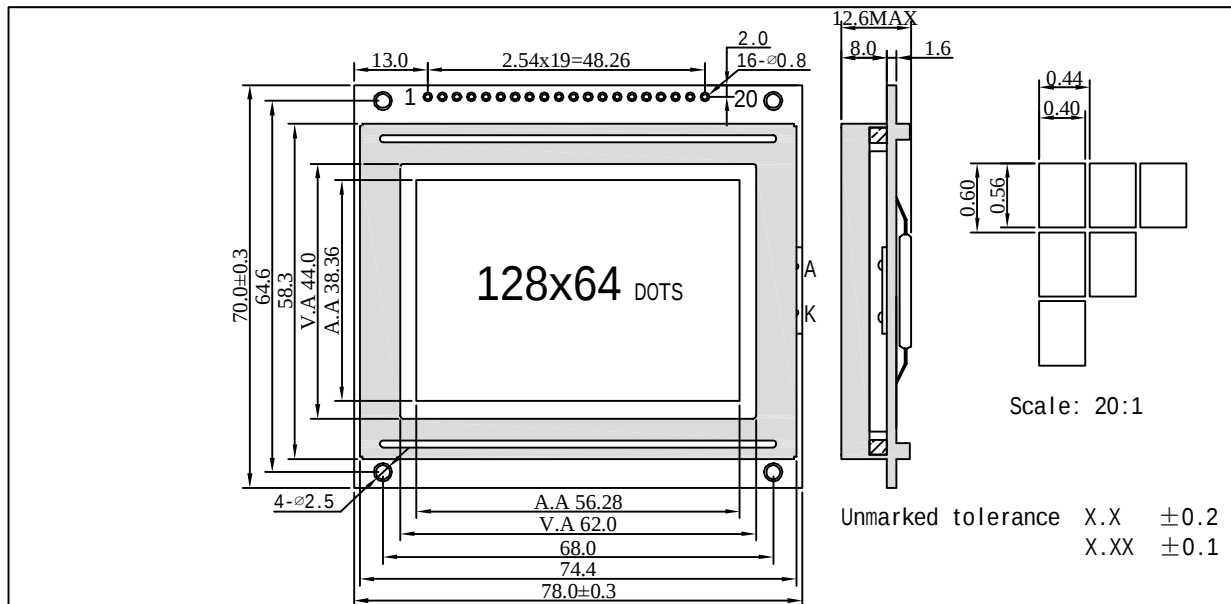


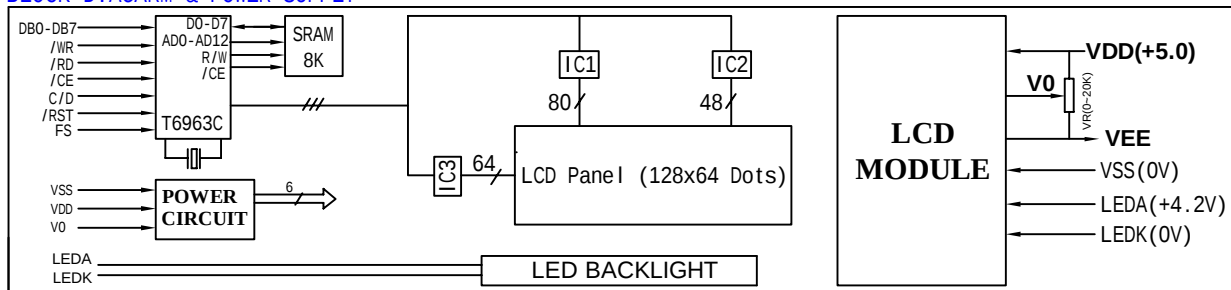
ZL12864C2 Series

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)	78.0x70.0x12.6MAX	LCD Type	STN FSTN
View Area(W*H)	62.0x44.0	LCD Colour	STN:Yellow-Green ,Gray Other:Gray
DotsxDots(W*H)	128x64	View Angle	6 O'clock ,12 O'clock
Dot Pitch(W*H)	0.44x0.60	Display Type	Positive Type,Negative Type
Dot Size(W*H)	0.40x0.56	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℃	---	13.0V	---	V
Supply Current	Idd	Ta=25℃,Vdd=5.0V	---	3.0	4.0	mA
Supply Current for Backlight	If	Ta=25℃,Vf=4.1V	---	150	---	mA

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1	FG	---	Frame Ground
2	VSS	---	Ground for Logic
3	VDD	H	Power supply for Logic
4	V0	---	Power supply for LCD drive
5	/WR	L	Write signal
6	/RD	L	Read signal
7	/CE	L	Chip enable signal
8	C/D	H/L	Data or instruction select signal (H:data register,L:instruction register)
9	/RST	L	Reset signal
10-17	DB0-DB7	H/L	Data Bus Lines
18	FS	H/L	Font selection
19	LEDA	H	Power supply for Backlight(+4.2V)
20	LEDK	---	Power supply for backlight(0V)

REMARK

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