LMG-S12K64 | 128 Dots X 64 Dots | 1/32 Duty | 1/6 Bias

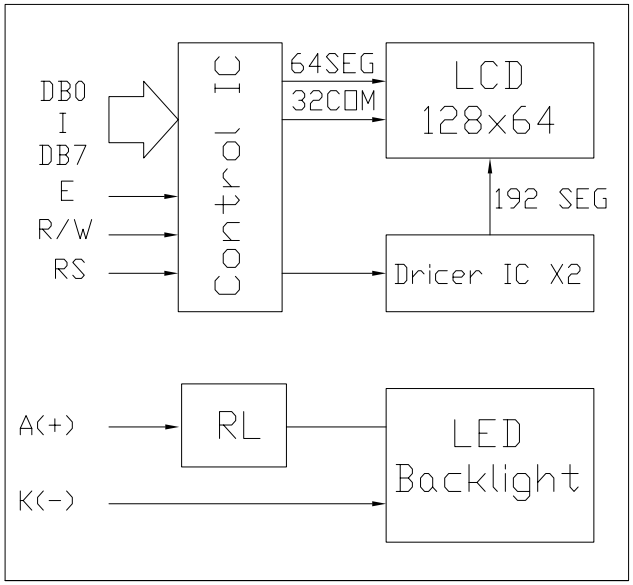
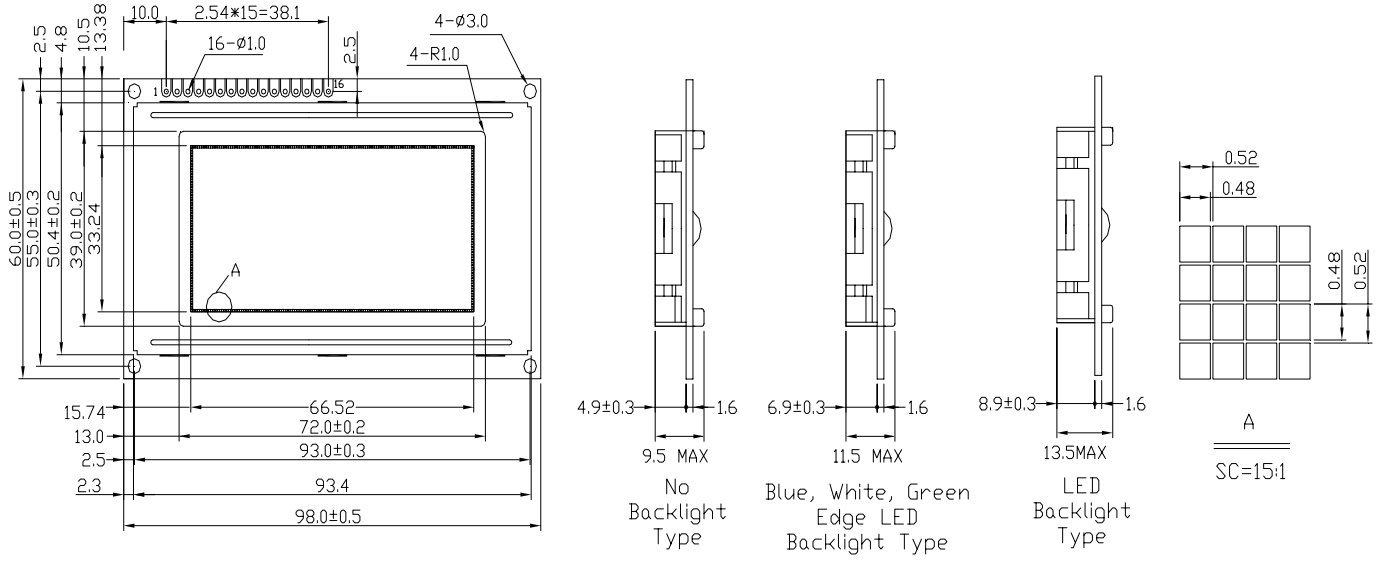
FEATURE		
LCD TYPE	STN , FSTN	
LCM CONTROLLER IC	ST7920 or Equivalent	
NUMBER OF CHARACTER	8 CHARACTERS X 4 LINES (128*64 Dots)	
CHARACTER FORMAT	16X16 Dots	
CHINESE CODE SYSTEM	BIG-5 or GB Code	
LCM BACKLIGHT TYPE	LED	
POWER SUPPLY FOR LCM	DC +5V	
LED BACKLIGHT INPUT	DC +5V	
LCM DIMENSION	93.4 (W) X 70.0 (H)	mm
LCM VIEWING	72.0 (W) X 39.0 (H)	mm
ACTIVE DISPLAY AREA	66.52 (W) X 33.24 (H)	mm
LCD DOT SIZE	0.48 (W) X 0.48 (H)	mm
LCD DOT PITCH	0.52 (W) X 0.52 (H)	mm

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYM.	MIN.	TYP.	MAX.	UNIT
OPERATING TEMP.	T_{OP}	0	--	+50	℃
STORAGE TEMP.	T_{SP}	-10	--	+60	℃
INPUT VOLTAGE	V_I	V_{SS}	--	V_{DD}	V
SUPPLY VOL. FOR LCD	--	--	--	--	V

INTERFACE PIN CONNECTIONS			
NO.	SYM.	LEVEL	FUNCTION
1	VSS	--	GND (0V)
2	VDD	--	DC +5V
3	N.C	--	--
4	RS	H/L	Register select
5	R/W	H/L	Read/Write
6	E	H,H→L	Enable signal
7	DB0	H/L	Data Bit 0
8	DB1	H/L	Data Bit 1
9	DB2	H/L	Data Bit 2
10	DB3	H/L	Data Bit 3
11	DB4	H/L	Data Bit 4
12	DB5	H/L	Data Bit 5
13	DB6	H/L	Data Bit 6
14	DB7	H/L	Data Bit 7
15	A(+)	DC+5V	LED Backlight +
16	K(-)	0V	LED Backlight -

ELECTRICAL						
ITEM	SYM.	CONDITION	MIN.	TYP.	MAX	UNIT
Supply Voltage For LCD Driver	V_{LCD}	Ta=0℃	--	6.0	--	V
		Ta=25℃	--	5.8	--	
		Ta=50℃	--	5.5	--	
Operating Voltage For LCD Module	V_{DD}-V_{SS}	--	4.5	5.0	5.5	V
Input High Voltage	V_{IH}	--	2.2	--	V_{DD}	V
Input Low Voltage	V_{IL}	--	0	--	0.6	V
Output High Voltage	V_{OH}	--	2.4	--	--	V
Output Low Voltage	V_{OL}	--	--	--	0.4	V
Supply Current For Logic	I_{DD}	V_{DD}=5V	--	4.0	5.5	mA
LED Current	I_F	Ta=25℃	--	78/150	--	mA

BLOCK DIAGRAM



DIMENSIONAL DRAWING