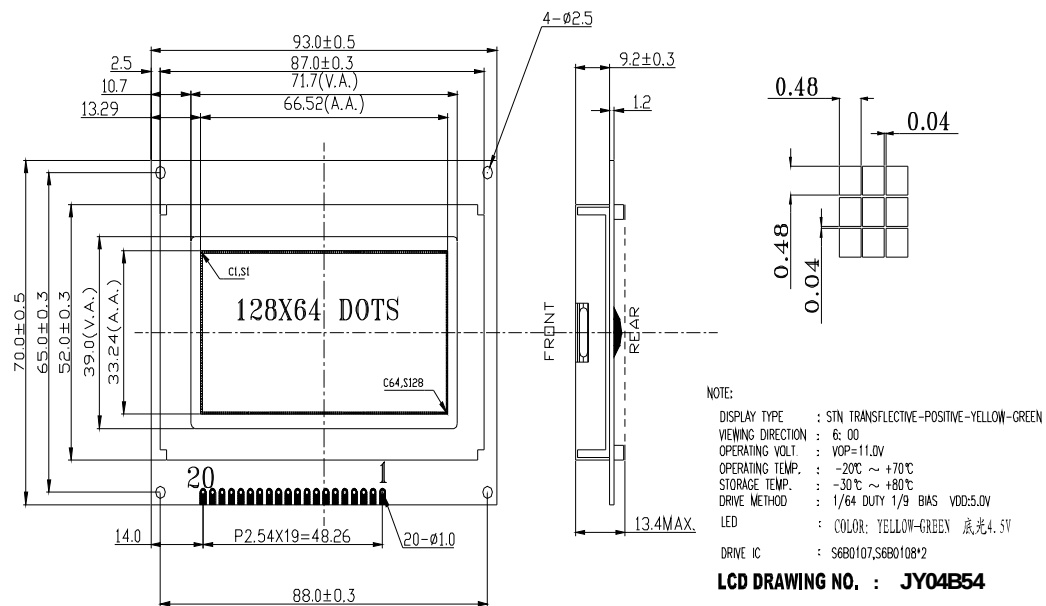
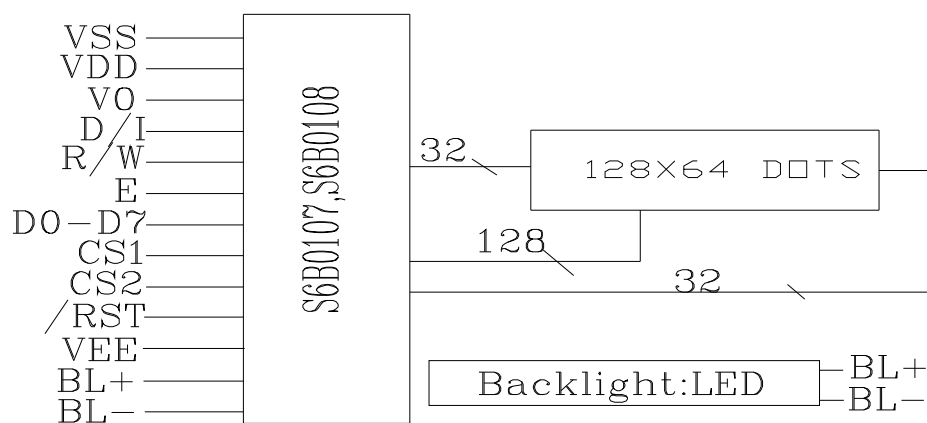


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS Ta=25 °C VDD=3.0V±0.25V

Item	Symbol	Test Condition	Standard Value			
			Min.	Typ.	Max.	Unit
Power Supply for Logic	VDD	25°C	5.8	5.0	5.2	V
LCD Operation Voltage	Vop.	25°C	10.8	11.0	11.2	V
LCM Current Consumption	Idd	25°C	-	-	3.4	mA

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value		
		Min.	Max.	Unit
Power Supply for Logic	VDD	-0.3	7.0	V
Supply Voltage	VEE	VDD-19.0	VDD+0.3	
LCD Operation Voltage	VLCD	VEE-0.3	VDD+0.3	V
Input Voltage	Vin	-0.3	Vdd+0.3	V
Operating Temp	Top.	-20	70	°C
Storage Temp	Tst.	-30	80	°C

5.0 PIN ASSIGNMENT

Pin No.	Symbol	Description
1	VSS	GND
2	VDD	Power Supply (+5V)
3	V0	Contrast Adjustment
4	D/I	H=Display Data;L=Instruction
5	R/W	H=Read;L=Write
6	E	H=Enable to Read & Write
7-13	DB0-DB7	Data Bus
14	CS1	H=Select The IC1
15	CS2	H=Select The IC2
16	/RST	L=Reset the chip
17	VEE	Contract Adjust
18	BL+	Anode For Backlight
19	BL-	Kathode For Backlight

Remark

1. LCD option: STN, FSTN .
2. Customized module.
3. Backlight option: EL backlight feature, other specs not available on catalog is under request.