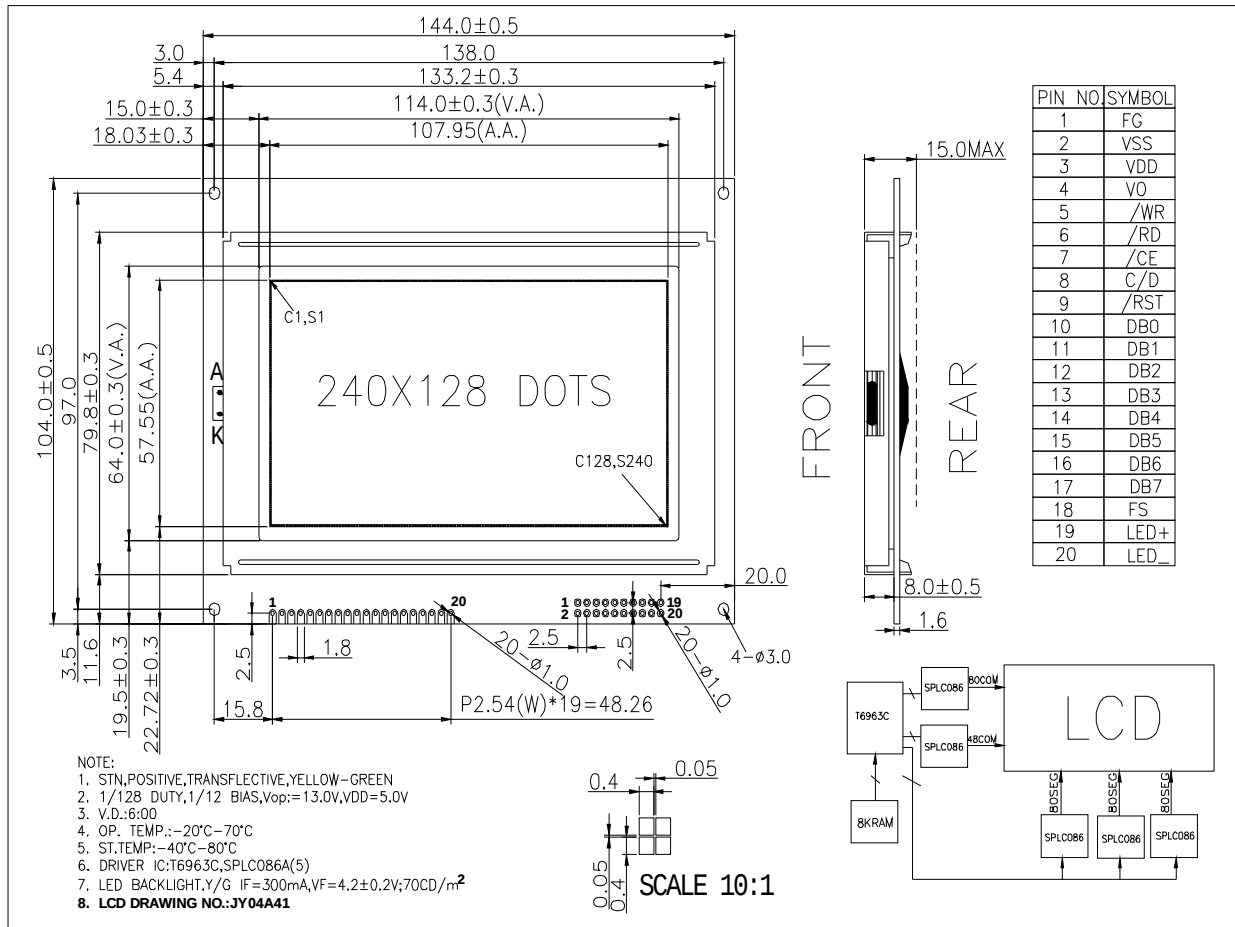
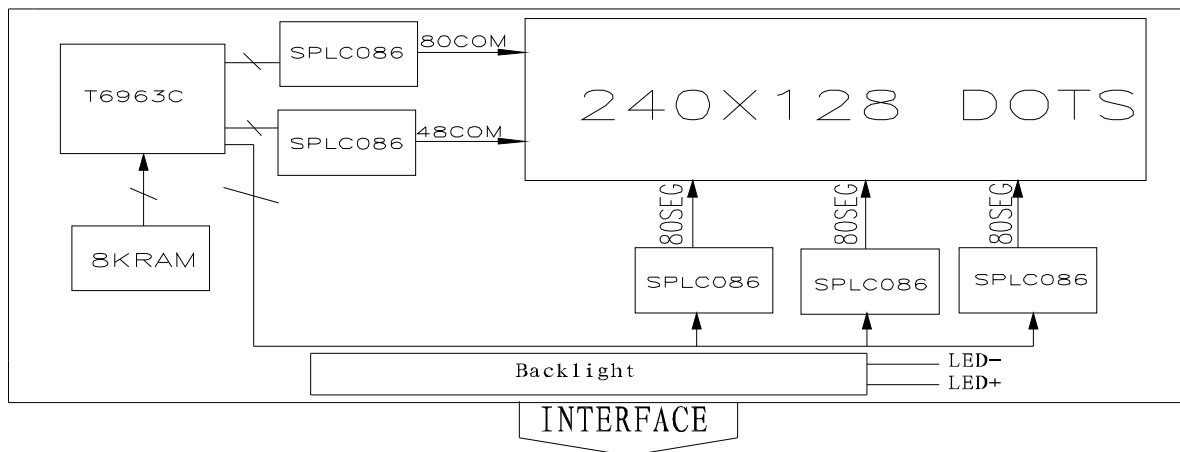


1.0 DIMENSIONAL DRAWING



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	4.8	-	5.52	V
LCD Operation Voltage	Vop.	25°C	12.8	-	13.2	V
LCM Current Consumption	Idd	25°C	-		135	mA

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value		
		Min.	Max.	Unit
Power Supply for Logic	VDD	-0.3	7.0	V
LCD Operation Voltage	Vo.	-0.3	2.8	V
Input Voltage	Vin	0	Vdd+0.5	V
Operating Temp	Top.	-20	70	°C
Storage Temp	Tst.	-40	80	°C

5.0 PIN ASSIGNMENT

Pin No.	Symbol	Description
1	FG	Frame Ground
2	VSS	Ground
3	VDD	+5V Power supply
4	V0	Reference voltage: for LCD
5	/WR	L: Write
6	/RD	L: Read
7	/CE	L: CHIP SELECTED
8	C/D	H: DATA; L: CONTROL
9	/RST	L: reset
10~17	DB0~DB7	Data Bus
18	FS	FONT SELECT; H:6*8; L:8*8;
19	LED+	4.2V Power supply for BackLight
20	LED-	Ground of 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.