

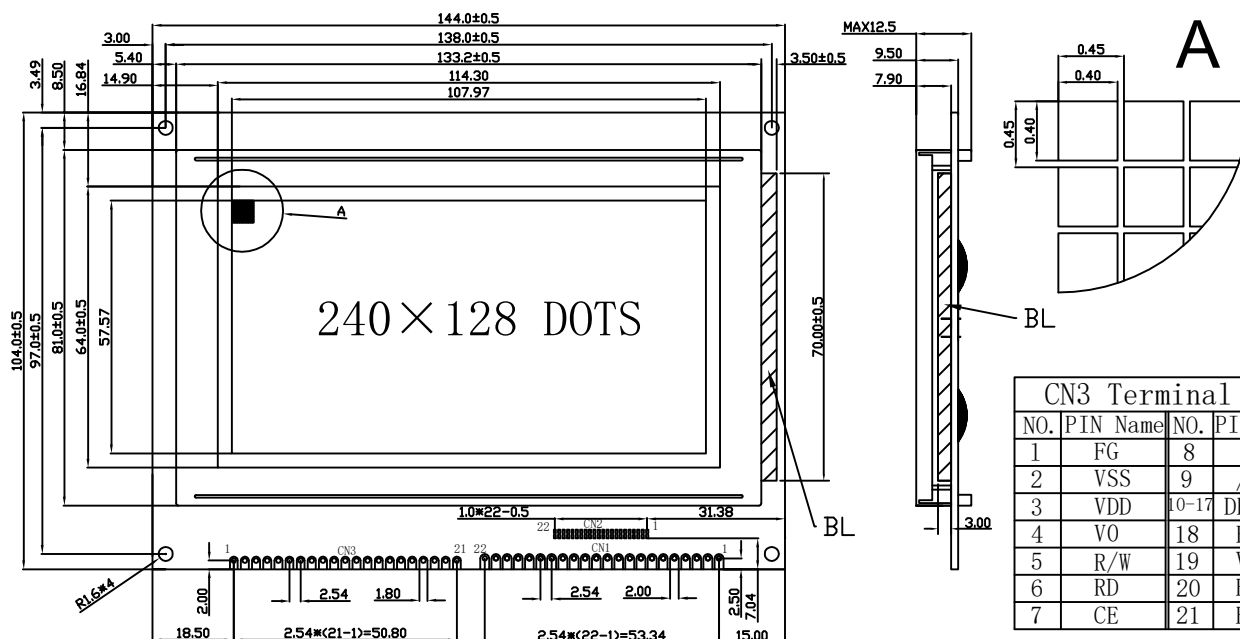


东莞市一众显示科技有限公司

DONG GUAN TEAM SOURCE DISPLAY TECHNOLOGY CO., LTD.

① PHYSICAL DIMENSION/外型尺寸

TSM240128-3A



CN3 Terminal			
NO.	PIN Name	NO.	PIN Name
1	FG	8	C/D
2	VSS	9	/RST
3	VDD	10-17	DB0-DB7
4	V0	18	FS
5	R/W	19	VOUT
6	RD	20	BLA
7	CE	21	BLK

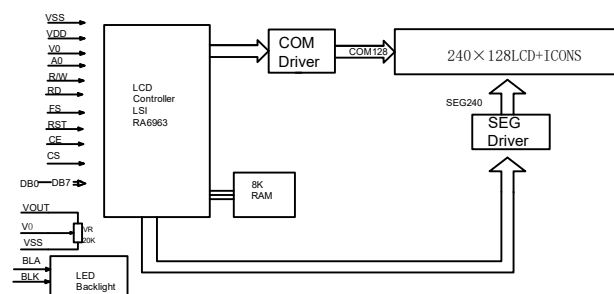
② FEATURES/特征

1. LCD type & Colour(类型及颜色)	STN Yellow/Green
2. View Angle(视角)	6 0'clock
3. Operating temperature(工作温度)	-20℃ ---- 70℃
4. Storage Temperature(贮存温度)	-30℃ ---- 80℃
5. Control IC & Package(控制芯片及封装)	RA6963 , COB
6. Weight(重量)	170g (With B/L)
7. Backlight(背光类型)	LED

④ Electrical Characteristics(电特性)

Ta=25℃ (常温状态下)		MIN(最小)	TYP(典型)	MAX(最大)	UNIT(单位)
Supply current don't contain backlight(无背光时电流)		0		12.0	mA
VDD(电源)		-0.3	5.0	5.5	V
VLCD-V0(LCD驱动电压)		0	-6.8		V
Backlight LED (背光电压,电流)	侧背光	0	5.0	5.0	V
		0	75		mA
	底背光	0	5.0	5.5	V
		0	180		mA

⑤ BLOCK DIAGRAM/原理电路



③ PIN CONFIGURATION/管脚说明

PIN	SYMBOL	DESCRIPTION(定义描述)
1	FG	Frame Grokund(铁框地)
2	VSS	Power ground (地)
3	VDD	Power positive(逻辑电压)
4	V0	Operating voltage for LCD Driver(对比度调节)
5	R/W	Read or Write. (写数据)
6	RD	Register select(读信号)
7	CE	Chip select (片使能信号)
8	C/D	H:Data L:Instruction Code(指令 数据信号)
9	NC	No connection(空脚)
10	RST	Reset Signal (复位)
11	DB0	Data bus [0~7]. There state I/O common terminal. (数据线0~7)
18	DB7	
19	FS	Font Select(字体选择)
20	VOUT	Negative voltage output (负压输出)
21	BLA	Power supply for backligh(+)(背光正极)
22	BLK	Power supply for backligh(+)(背光负极)

⑥ ELUCIDATION/补充备注