

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深圳市彩晶科技有限公司

The specification for the following models :

CM240128-3SLDAA-5

PROPOSED BY		APPROVED
Design	Approved	

TEL:+86-755-29995238

FAX:+86-755-29459900

[Http://www.cj86.com](http://www.cj86.com)

E-mail:szcj86@gmail.com

[Http://www.szcm-lcd.com](http://www.szcm-lcd.com)

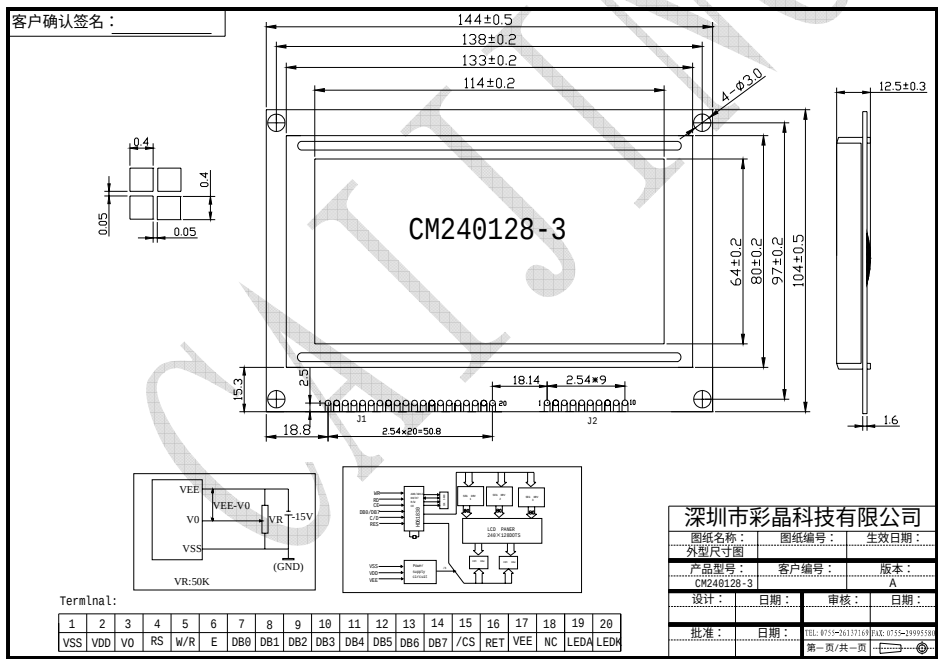
E-mail:szcj86@hotmail.com

地址：深圳市南山区西丽留仙洞工业区顺和达厂区 B 栋

1. Mechanical Specification

ITEM	STANDARD VALUE			UNIT
Dot Matrix	240 X 128 DOTS			--
MODULE DIMENSION	144.0 (W) X 104.0 (H) X 12.5 (T)			mm
VIEWING DISPLAY AREA	114.0 (W) X 64.0 (H)			mm
ACTIVE DISPLAY AREA	107.95 (W) X 57.55 (H)			mm
DOT SIZE	0.4 (W) X 0.4 (H)			mm
DOT PITCH	0.05 (W) X 0.05 (H)			mm
DRIVE METHOD	1/128 Duty , 1/12 BIAS			
VIEWING DIRECTION	6 O'clock			
LED Backlight Color	Yellow Green			
Backlight Input	DC +5.0V	V		mA
LED backlight current	61			mA
Backlight Half-Lift Time	35,000			HR.
INPUT VOLTAGE	DC +5.0V	V		mA
LCD DRIVER	HD61830			
Weight	195g			

2. Mechanical Diagram



3. Interface Pin Connections

J1 Pin assignment :

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Frame ground
2	VDD	+5V	Ground
3	V0	-12V~15V	Operating voltage for LCD drive
4	RS	I	H: Instruction code L: Data
5	R/W	I	Selection of READ or WRITE
6	E	I	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	/CS	I	Chip enable signal
16	/RST	I	Reset signal
17	LEDA / VEE	--	LEDA +5V / Negative Voltage for LCD driver
18	LEDK / NC	--	LED 背光源 0V / NC
19	NC / LEDA	+5V	NC / LED(+5V)Backlight+5V
20	NC / LEDK	0V	NC / LED(0V)Backlight

J2 EXTERNAL INTERFACE OF MODULE :

NO	SYMBOL	LEVEL	FUNCTION
1	ED	-	Serial data
2	CDATA	-	Synchronus signal for row driver
3	DISP	---	H:Display ON.L: Display OFF / for NC
4	LP	-	Latch pulse for column driver. Shift clock pulse for row driver
5	HSCP	-	Shift clock pulse for column driver
6	FR	---	Frame signal
7	VDD	5.0V	Supply voltage for logic
9	VSS	0V	Ground
10	VO	-12V~15V	Operating voltage for LCD drive

4. Absolute Maximum Ratings

ITEM	SYMBOL	MIN.	TYPE	MAX.	UNIT
OPERATING TEMPERATURE	TOP	0/-20	--	+50/+70	°C
STORAGE TEMPERATURE	TST	-10/-30	--	+60/+80	°C
INPUT VOLTAGE	VI	4.75	5.0	5.25	V
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	--	5.0	5.5	V
SUPPLY VOLTAGE FOR LCD	VDD-VO	--	--	17.8	V
STATIC ELECTRICITY	Be sure that you are grounded when handing LCM.				