

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深 圳 市 彩 晶 科 技 有 限 公 司

The specification for the following models :

CM240128-5BLWAA-5

CM240128-5FLWAA-5

PROPOSED BY		APPROVED
Design	Approved	

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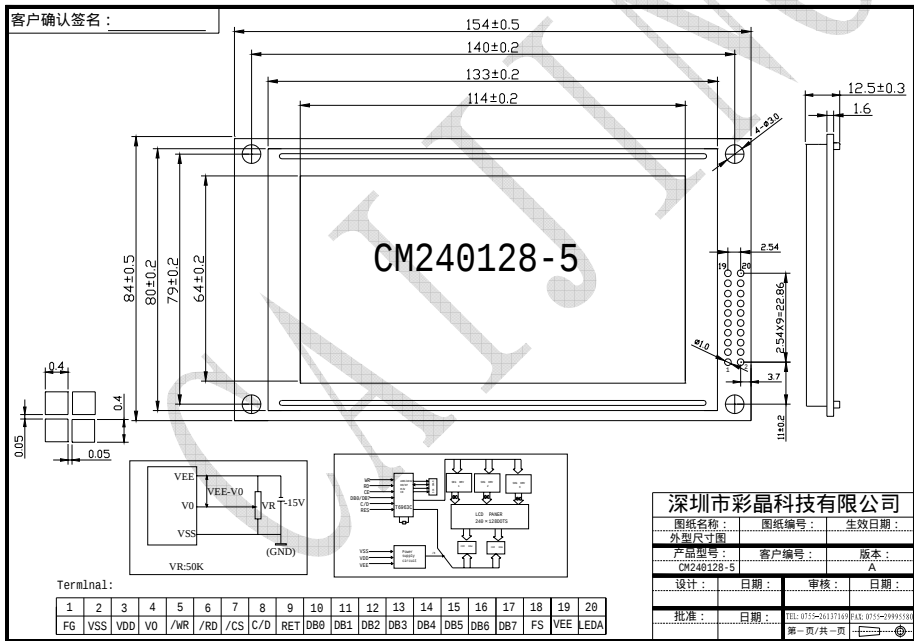
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1. Mechanical Specification

ITEM	STANDARD VALUE			UNIT
Dot Matrix	240 X 128 DOTS			--
MODULE DIMENSION	154.0 (W) X 84.0 (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	White			
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	T6963C			
Weight	189g			

2. Mechanical Diagram



3. Interface Pin Connections

NO	SYMBOL	LEVEL	FUNCTION
1	FG	0V	Frame ground
2	VSS	0V	Ground
3	VDD	5.0V	Supply voltage for logic
4	V0	-12V -15V	Operating voltage for LCD drive
5	/WR	L	Write signal
6	/RD	L	Read signal
7	/CE	L	Chip enable signal
8	C/D	H/L	H: Instruction code L: Data
9	/RESET	L	Reset signal
10	DB0	H/L	Data bit 0
11	DB1	H/L	Data bit 1
12	DB2	H/L	Data bit 2
13	DB3	H/L	Data bit 3
14	DB4	H/L	Data bit 4
15	DB5	H/L	Data bit 5
16	DB6	H/L	Data bit 6
17	DB7	H/L	Data bit 7
18	FS	H/L	Font select signal (H:5X8 dots; L:8X8 dots)
19	VEE	-15V	Negative Voltage for LCD driver
20	LEDA	+5V	LED Backlight

4. Absolute Maximum Ratings

ITEM	SYMBOL	MIN.	TYPE	MAX.	UNIT
OPERATING TEMPERATURE	TOP	0/-20	--	+50/+70	
STORAGE TEMPERATURE	TST	-10/-30	--	+60/+80	
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.				