

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深圳市彩晶科技有限公司

The specification for the following models :

CM240128-4SLDAA-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

2. Mechanical Diagram



J1 Pin assignment :

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Ground
2	VDD	5.0V	Supply voltage for logic
3	V0	-12V~ -15V	Operating voltage for LCD drive
4	C/D	H/L	H: Instruction code L: Data
5	/RD	L	Read signal
6	/WR	L	Write 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	/CE	L	Chip enable signal
16	/RESET	L	Reset signal
17	LEDA	+5V	LED Backlight
18	LEDK	0V	LED Backlight

J2 EXTERNAL INTERFACE OF MODULE :

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

J3 EXTERNAL INTERFACE OF MODULE :

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

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.				