

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深 圳 市 彩 晶 科 技 有 限 公 司

The specification for the following models :

CM320240-29BLWAA-5**CM320240-29FLWAA-5**

PROPOSED BY		APPROVED
Design	Approved	

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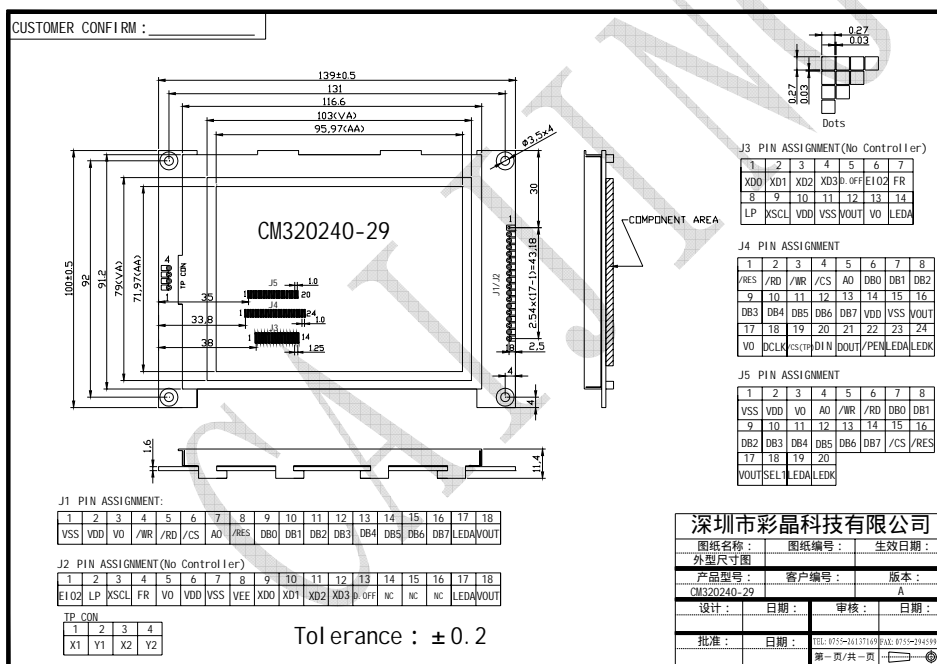
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1. Mechanical Specification

ITEM	STANDARD VALUE		UNIT
Dot Matrix	320 X 240 DOTS		--
MODULE DIMENSION	139.0 (W) X 100.0 (H) X 11.4 (T)		mm
VIEWING DISPLAY AREA	103.0 (W) X 79.0 (H)		mm
ACTIVE DISPLAY AREA	95.97 (W) X 71.97 (H)		mm
DOT SIZE	0.27 (W) X 0.27 (H)		mm
DOT PITCH	0.03 (W) X 0.03 (H)		mm
DRIVE METHOD	1/240 Duty , 1/16 BIAS		
VIEWING DIRECTION	6 O'clock		
LED Backlight Color	White		
Backlight Input	DC +5.0V	V	mA
LED backlight current	125		mA
Backlight Half-Lift Time	35,000		HR.
INPUT VOLAGE	DC +5.0V	V	mA
LCD DRIVER	RA8835		
Weight	172g		

2. Mechanical Diagram



J2 NO Controller

NO	SYMBOL	LEVEL	FUNCTION
1	Fram	--	Frame signal
2	Load	--	Data latch signal
3	Cp	--	Clock signal for shifting serial data
4	M	--	Alternater for LCD driver
5	V0	--	Variable voltage for LCD(+21V)
6	VDD	--	Power supply for logic(+5V)
7	Vss	--	GND
8	VOUT	--	Power out(+23V),LCD Power supply
9	D0	H/L	Data BUS
10	D1	H/L	Data BUS
11	D2	H/L	Data BUS
12	D3	H/L	Data BUS
13	Dispoff	--	H:Display ON.L:Display Off
14	NC		
15	NC		
16	NC		
17	LEDA	--	LED+5V
18	VOUT	--	Power out (+23V),LCD Power supply

J3 NO Controller

NO	SYMBOL	LEVEL	FUNCTION
1	D0	H/L	Data BUS
2	D1	H/L	Data BUS
3	D2	H/L	Data BUS
4	D3	H/L	Data BUS
5	Dispoff	--	H:Display ON.L:Display Off
6	Fram	--	Frame signal
7	M	--	Alternater for LCD driver
8	Load	--	Data latch signal
9	Cp	--	Clock signal for shifting serial data
10	VDD	--	Power supply for logic(+5V)
11	Vss	--	GND
12	VOUT	--	Power supply for LCD(+23V)
13	V0	--	Variable voltage for LCD(+21V)
14	NC	--	

J4 (RA8835 Controller)

NO	SYMBOL	LEVEL	FUNCTION
1	/RES	--	Reset Signal
2	/WR	--	Write signal
3	/RD	--	Read Signal
4	/CS	--	Chip select signal
5	A0	--	Data Type Selection
6	DB0	H/L	Data BUS
7	DB1	H/L	Data BUS
8	DB2	H/L	Data BUS
9	DB3	H/L	Data BUS
10	DB4	H/L	Data BUS
11	DB5	H/L	Data BUS
12	DB6	H/L	Data BUS
13	DB7	H/L	Data BUS
14	VDD	5.0V	Supply voltage for logic(+5V)
15	VSS	0V	GND
16	VOUT	+23V	Power out(+23V),LCD Power supply
17	V0	+21V	Supply voltage for LCD Contrast adjustment(+21V)
18	DCLK	--	
19	/CS (TP)	--	
20	DIN	---	
21	DOUT	---	
22	/PEN	--	Interrupt
23	LEDA	--	LED Back light Power+5V
24	LEDK	--	LED Back light Power0V

J5 (RA8835 Controller)

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	GND
2	VDD	5.0V	Supply voltage for logic(+5V)
3	V0	+21V	Supply voltage for LCD Contrast adjustment(+21V)
4	A0	H/L	Data Type Selection
5	/WR	--	Write signal
6	/RD	--	Read Signal
7	DB0	H/L	Data BUS
8	DB1	H/L	Data BUS
9	DB2	H/L	Data BUS
10	DB3	H/L	Data BUS
11	DB4	H/L	Data BUS
12	DB5	H/L	Data BUS
13	DB6	H/L	Data BUS
14	DB7	H/L	Data BUS
15	/CS	--	Chip select signal
16	/RES	H/L	Reset Signal
17	VOUT	--	Power out(+23V),LCD Power supply
18	SEL1	--	H:6800,L:8080
19	LEDA	--	LED Back light Power+5V
20	LEDK	--	LED Back light Power0V

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	--	--	26	V
STATIC ELECTRICITY	Be sure that you are grounded when handling LCM.				