

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深 圳 市 彩 晶 科 技 有 限 公 司

The specification for the following models :

CM12232-12SLYAA-5

PROPOSED BY		APPROVED
Design	Approved	

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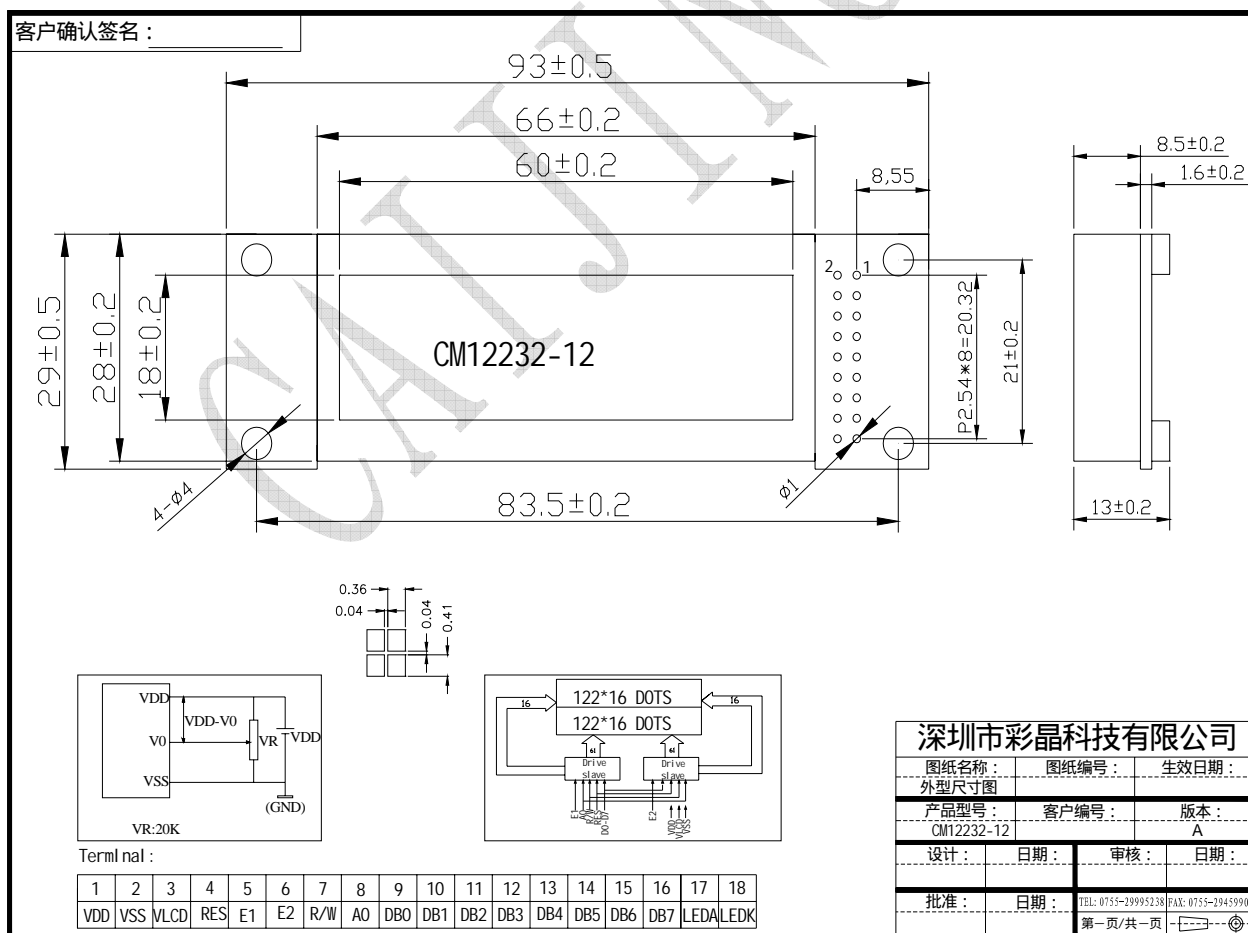
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1. Mechanical Specification

ITEM	STANDARD VALUE			UNIT
Dot Matrix	122 X 32 DOTS			--
MODULE DIMENSION	93.0 (W) X 29.0 (H) X 13.0 (T)			mm
VIEWING DISPLAY AREA	60.0 (W) X 18.0 (H)			mm
ACTIVE DISPLAY AREA	48.75 (W) X 14.35 (H)			mm
DOT SIZE	0.36 (W) X 0.41 (H)			mm
DOT PITCH	0.04 (W) X 0.04 (H)			mm
DRIVE METHOD	1/32 Duty , 1/6 BIAS			
VIEWING DIRECTION	6 O'clock			
LED Backlight Color	Yellow Green			
Backlight Input	DC +5.0V	V		mA
LED backlight current	139			mA
Backlight Half-Lift Time	35,000			HR.
INPUT VOLTAGE	DC +5.0V	V	1	mA
LCD DRIVER	1520			
Weight				

2. Mechanical Diagram



3. Interface Pin Connections

NO	SYMBOL	LEVEL	FUNCTION
1	VDD	5V	Power Supply
2	VSS	0V	Power Ground
3	VLCD	0 +5V	LCD Drive Voltage
4	/RES	H/L	Reset Signal(enable at low)
5	E1	H/L	Enable signal of first IC
6	E2	H/L	Enable signal of second IC
7	R/W	H/L	Selection of READ or WRITE
8	A0	H/L	D/I="H" , mean DB7 ~ DB0 is Data D/I="L" , mean DB7 ~ DB0 is command
9	DB0	H/L	DATA BUS
10	DB1	H/L	DATA BUS
11	DB2	H/L	DATA BUS
12	DB3	H/L	DATA BUS
13	DB4	H/L	DATA BUS
14	DB5	H/L	DATA BUS
15	DB6	H/L	DATA BUS
16	DB7	H/L	DATA BUS
17	LEDA	--	LED(+5V)
18	LEDK	--	LED(0V)

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