

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

深圳市彩晶科技有限公司

The specification for the following models :

CM16032-2SLDAA-5

PROPOSED BY		APPROVED
Design	Approved	

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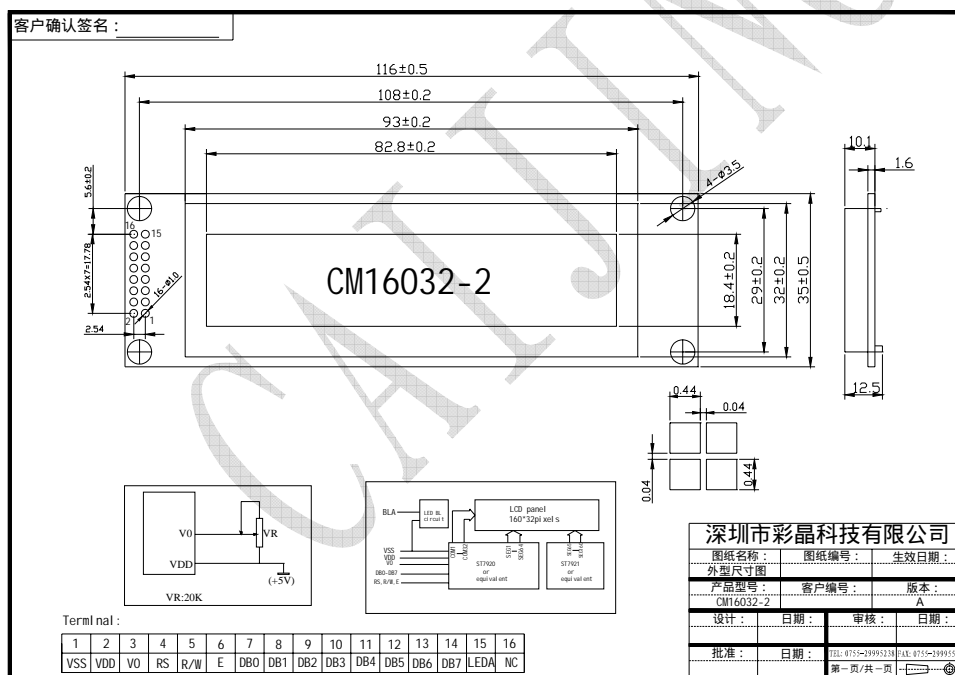
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1. Mechanical Specification

ITEM	STANDARD VALUE		UNIT
Dot Matrix	160 X 32 DOTS		--
MODULE DIMENSION	116.0 (W) X 35.0 (H) X 12.5 (T)		mm
VIEWING DISPLAY AREA	82.8 (W) X 18.4 (H)		mm
ACTIVE DISPLAY AREA	76.76 (W) X 15.32 (H)		mm
DOT SIZE	0.44 (W) X 0.44 (H)		mm
DOT PITCH	0.04 (W) X 0.04 (H)		mm
DRIVE METHOD	1/32 Duty , 1/6 BIAS		
VIEWING DIRECTION	12'clock		
LED Backlight Color	Yellow Green		
Backlight Input	DC +5.0V	V	mA
LED backlight current	20		mA
Backlight Half-Lift Time	35,000		HR.
INPUT VOLAGE	DC +5.0V	V	mA
LCD DRIVER	ST7920		
Weight	52g		

2. Mechanical Diagram



3. Interface Pin Connections

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	0	Power Ground
2	VDD	5.0V	Power Supply
3	VO	--	Supply Voltage For LCD
4	RS (CS)	0	H: Data L: Instruction Code
5	R/W (SID)	0	H: Read L: Write
6	E (SCLK)	0	Enable Signal
7	DB0	I	DATA BUS
8	DB1	I	DATA BUS
9	DB2	I	DATA BUS
10	DB3	I	DATA BUS
11	DB4	I	DATA BUS
12	DB5	I	DATA BUS
13	DB6	I	DATA BUS
14	DB7	I	DATA BUS
15	LEDA	--	LED(+5V)
16	NC	--	

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 handing LCM.				