

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

**深 圳 市 彩 晶 科 技 有 限 公 司**

The specification for the following models :

**CM202-1SLDAA-5**

<b>PROPOSED BY</b>		<b>APPROVED</b>
Design	Approved	

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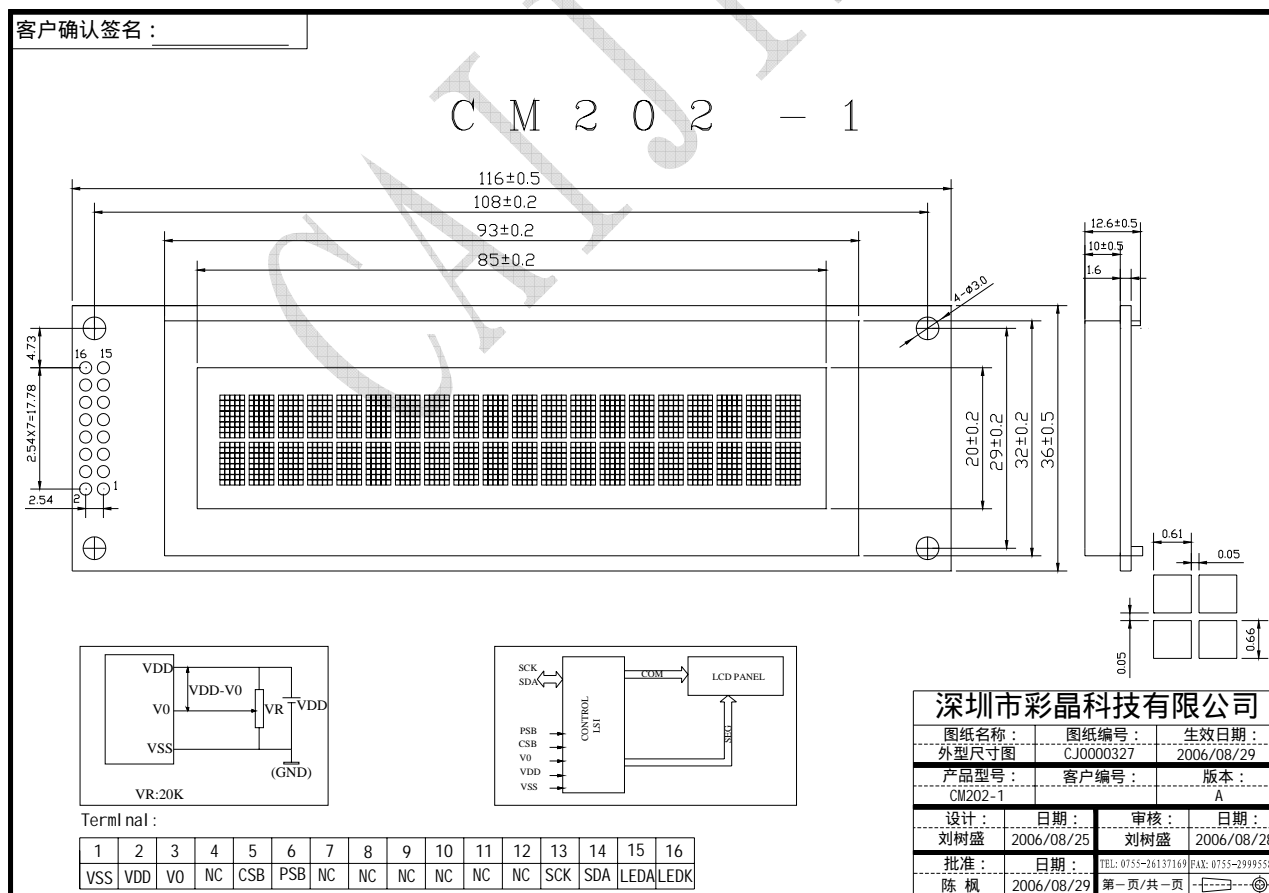
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1. Mechanical Specification

ITEM	STANDARD VALUE			UNIT
NUMBER OF CHARACTERS	20 CHARACTERS X 2 LINES			--
CHARACTER FORMAT	5 X 8 DOTS			--
MODULE DIMENSION	116.0 (W) X 36.0 (H) X 12.6 (T)			mm
VIEWING DISPLAY AREA	85.0 (W) X 20.0 (H)			mm
ACTIVE DISPLAY AREA	76.59 (W) X 11.86 (H)			mm
CHARACTER SIZE	3.25 (W) X 5.63 (H)			mm
CHARACTER PITCH	3.86 (W) X 6.23 (H)			mm
DOT SIZE	0.61 (W) X 0.66 (H)			mm
DOT PITCH	0.05 (W) X 0.05 (H)			mm
DRIVE METHOD	1/16 Duty , 1/5BIAS			
VIEWING DIRECTION	6 O'clock			
LED Backlight Color	Yellow Green			
Backlight Input	DC +5.0V	V		mA
LED backlight current	146			mA
Backlight Half-Lift Time	35,000			HR.
INPUT VOLTAGE	DC +5.0V	V	1	mA
LCD DRIVER	SPLC780D			
Weight	56g			

2. Mechanical Diagram



## 3. Interface Pin Connections

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	--	GND ( 0V)
2	VDD	--	DC +5V
3	VO	--	Contrast Adjust
4	NC	--	NC
5	CSB	H/L	3-wire SPI chip select ,IIC interface keep floating
6	PSB	H/L	PSB="L" 3SPI interface ,PSB="H" IIC interface
7	NC	-	NC
8	NC	-	NC
9	NC	-	NC
10	NC	-	NC
11	NC	-	NC
12	NC	-	NC
13	SCK	H/L	Serial clock input
14	SDA	H/L	Serial data input
15	LED A	--	+5V (LED Backlight 1)
16	LED K	--	0V(LED Backlight 2)

## 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.				