

SHENZHEN BRILLIANT CRYSTAL TECHNOLOGIC CO.,LTD.

**深 圳 市 彩 晶 科 技 有 限 公 司**

The specification for the following models :

**CM164-1SLDAA-5**

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

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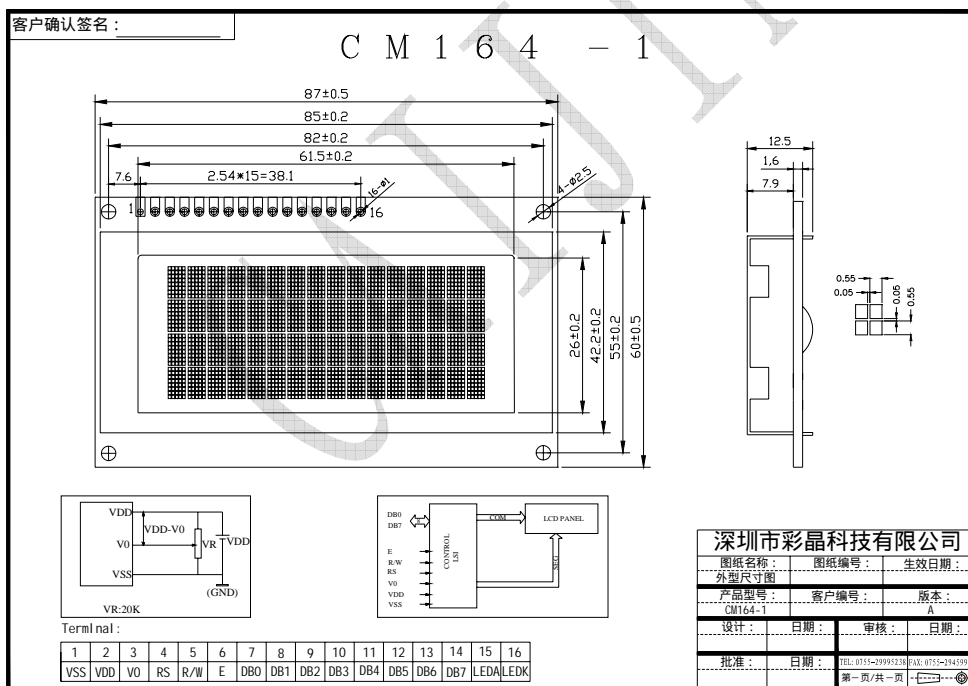
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1. Mechanical Specification

ITEM	STANDARD VALUE			UNIT
NUMBER OF CHARACTERS	16 CHARACTERS X 4 LINES			--
CHARACTER FORMAT	5 X 8 DOTS			--
MODULE DIMENSION	87.0 (W) X 60.0 (H) X 12.5 (T)			mm
VIEWING DISPLAY AREA	61.5 (W) X 26.0 (H)			mm
ACTIVE DISPLAY AREA	56.2 (W) X 20.8 (H)			mm
CHARACTER SIZE	2.95 (W) X 4.75 (H)			mm
CHARACTER PITCH	3.55 (W) X 5.35 (H)			mm
DOT SIZE	0.55 (W) X 0.55 (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	20			mA
Backlight Half-Lift Time	35,000			HR.
INPUT VOLAGE	DC +5.0V	V	1	mA
LCD DRIVER	SPLC780D			
Weight	65g			

2. Mechanical Diagram



## 3. Interface Pin Connections

NO	SYMBOL	LEVEL	FUNCTION
1	VSS	--	GND ( 0V)
2	VDD	--	DC +5V
3	VO	--	Contrast Adjust
4	RS	H/L	Register select
5	R/W	H/L	Read/Write
6	E	H,H→L	Enable 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	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.				