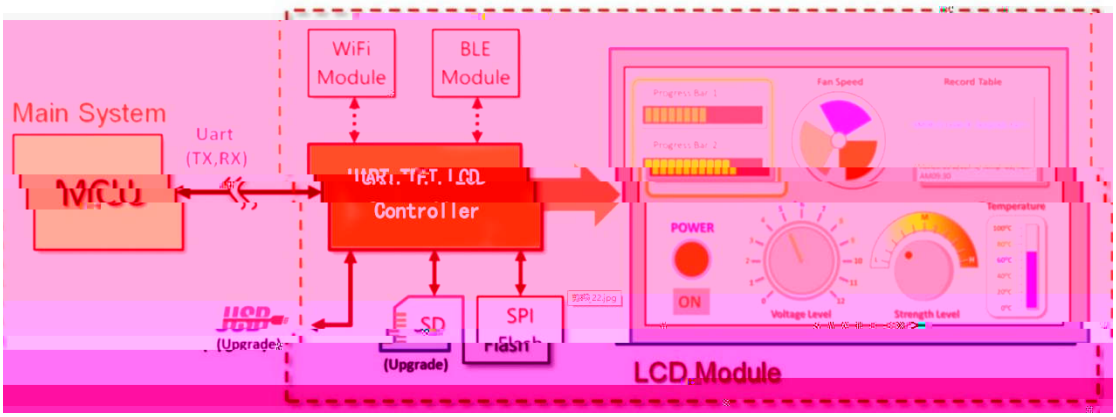
SHENZ yr

: 39
:(086)0755-88860696
:(086)0755 -26911092
:Http://www.av-display.com

REVISION RECORD

Rev No.	R

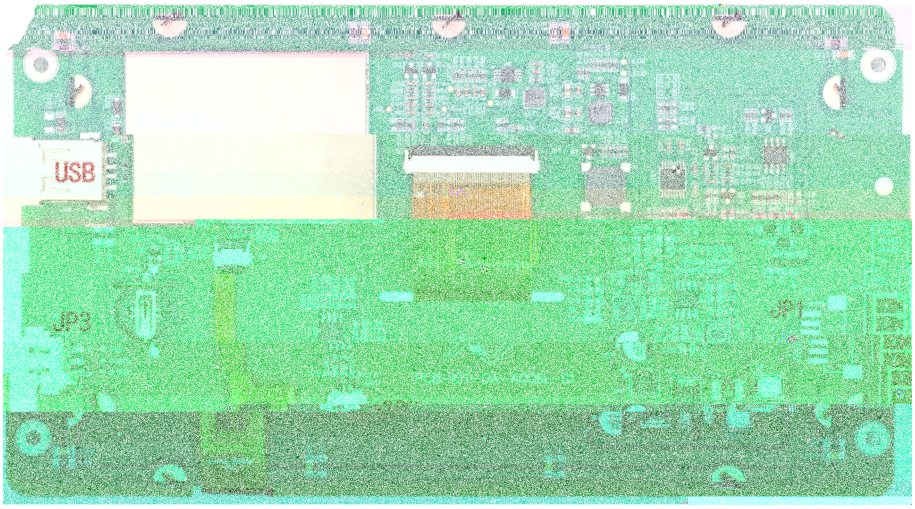
(2) FUNCTIONAL BLOCK DIAGRAM



(3) COMMUNICATION PROTOCOL

Start code	Order code	Number	Command parameter	CRC code	Epilog code
0xAA (1 Byte)	1 Byte	1 Byte	n Byte	2 Byte	0xE4 0x1B 0x11 0xEE (4 Bytes)

(4) INTERFACE DESCRIPTION



JP1 : Power and UART 

No.	Symbol	No.	Symbol
1	PWR+(12V)	4	RS485+
2	RX	5	RS485-
3	TX	6	PWR-

JP3 : MCU burning Interface 

No.	Symbol	No.	Symbol
1	GND	3	SWDCK
2	SWDIO	/	/

USB : Standard Type-a USB 2.0 Interface 

No.	Symbol	No.	Symbol
1	USB5V	3	DP
2	DN	4	GND

SPK : 8 3W Loudspeaker 

No.	Symbol	No.	Symbol
1	SPK+	2	SPK-

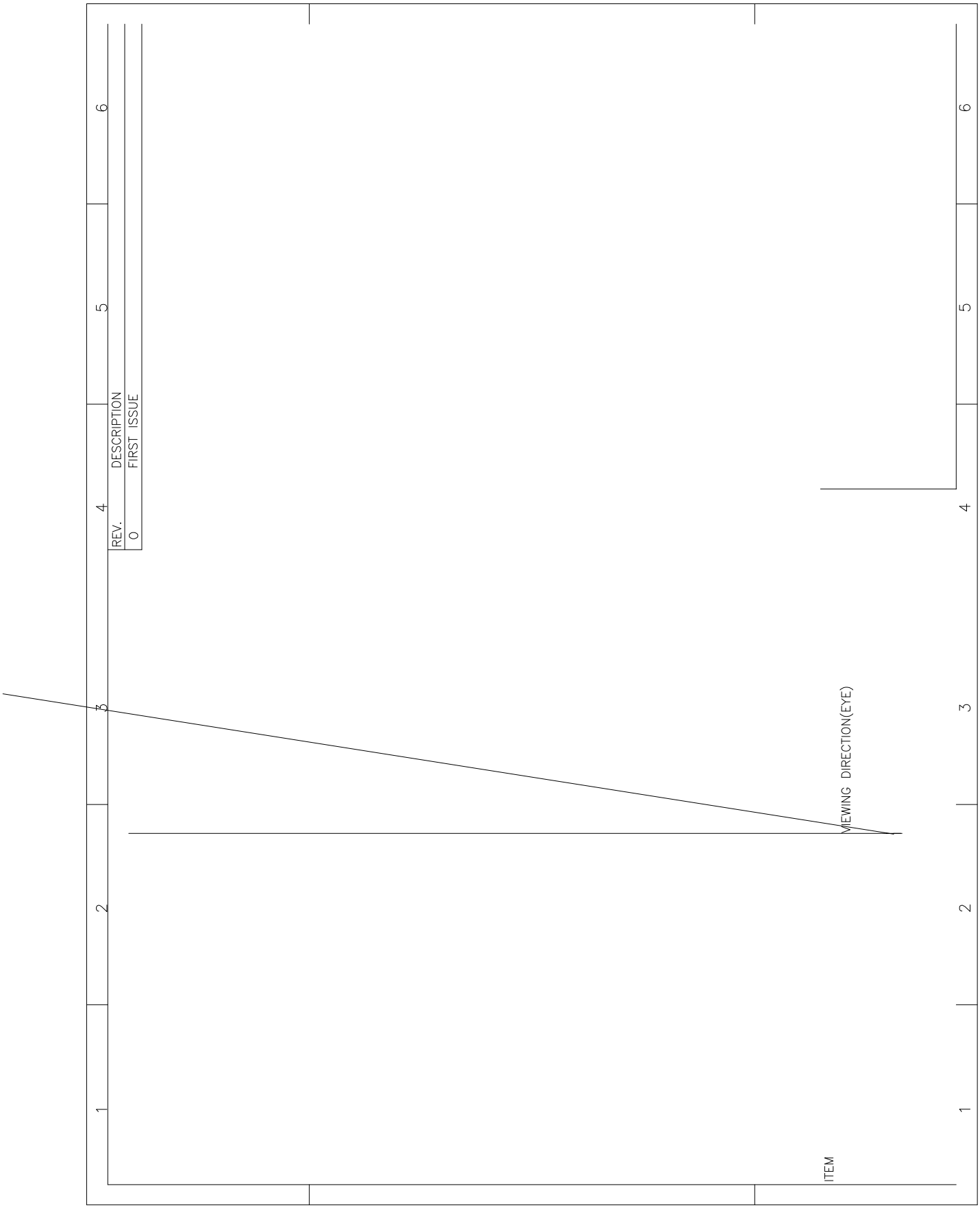
Remark:

(1) The default value of a serial port is TTL.R6 R8 used to select TTL,R1 R3 used to select RS232, R4 5 used to select RS485.

(2) J3 is used for MCU firing.

(3) The RN is

2.MOUDLE EXTERNAL DIMENSIONS



3.LCD DESCRIPTION

No.	Item	Contents	Unit
1	LCD Size	7.0 Inch	/
2	Display Mode	TN/Normally White/Transmissive	/
3	Interface type	24 bit RGB	/
4	Resolution	800 *480 Pixels	/
5	Pixel Pitch	0.1962*0.1790 mm	/
6	Color Depth	16.7M	/
7	Module Size (L*W*H)	165.00*100.00*5.70 mm	/
8	Surface Luminance	500(Typ.)	cd/m^2

4.TOUCH DESCRIPTION

No.	Item	Contents	Unit
1	Touch Type	Capacitive Touch Panel (CTP	/
2	Driver IC	GT911 or Compatible	/
3	Resolution	800*480 Pixels	/
4	Interface Type	IIC	/
5	Size	7.0 Inch	/
6	Operating Voltage	3.3	V

5.ABSOLUTE MAXIMUM RATINGS

Item

<table>
<tr><td>5</td><td>Temperature Cycle Storage Test</td><td colspan="2">-30°C ~ 25°C ~ +80°C/10 cycles
(30 min.) (10 min.) (30 min.)</td><td rowspan="10">value before test and after test is 50% larger;
2. Function defect : Non-display,abnormal-display
3.Visual defect : Glass crack.</td></tr>
<tr><td>6</td><td>High Temperature High Humidity Test</td><td colspan="2">+60°C*90% RH/120 hours</td></tr>
<tr><td>7</td><td>Vibration Test</td><td colspan="2">Frequency : 250 r/min
Amplitude : 1 inch
Time: 45 min</td></tr>
<tr><td rowspan="6">8</td><td rowspan="6">Drop Test</td><td colspan="2">Drop direction:
1 corner/3 edges/6 sides ,10 times</td></tr>
<tr><td>Packing weight(kg)</td><td>Drop height(cm)</td></tr>
<tr><td><11</td><td>80±1.6</td></tr>
<tr><td>11 G<21</td><td>60±1.2</td></tr>
<tr><td>21 G<31</td><td>50±1.0</td></tr>
<tr><td>31 G<40</td><td>40±0.8</td></tr>
<tr><td>9</td><td>ESD Test</td><td colspan="2">Air discharge: ±8 KV, 10 times
Contact discharge: ±4 KV, 10 times</td></tr>
</table>

7.REMARK:

Avoid any inappropriate external force or strong vibration in the assembly process.

Do not twist or bend panels and prevent improper external forces from damaging panels during assembly.

High temperature, high humidity or rapid temperature changes may affect performance. Store and use the product in an appropriate environment.

Avoid dust, oil mist, acid, alkali and chloride damage to the product.

Wear wrist straps, antistatic gloves and clothes to prevent electrostatic discharge (ESD).

When assembling, use ionic fan to prevent electrostatic discharge (ESD).

(PCBA binding side)

electrostatic discharge (ESD).

Follow the correct when operating.

the same mode/pattern for a long time.

V-COM voltage should be adjusted after aging (blinking) to display the best performance.

Turn off the ps aE7 T