Specification

Model:JD567MD

USER			MANUFACTURER		
QA	Project	Approved by	Prepared by	Checked by	Approved by

Catalogue

Version

Date	Version	Content
2009-12-18	RD001	The First Version
2010-4-20	VER:1.00	The Second Version
2010-5-25	VER:1.01	The third version
2010-6-10	VER:1.02	The fourth version

1. General description:

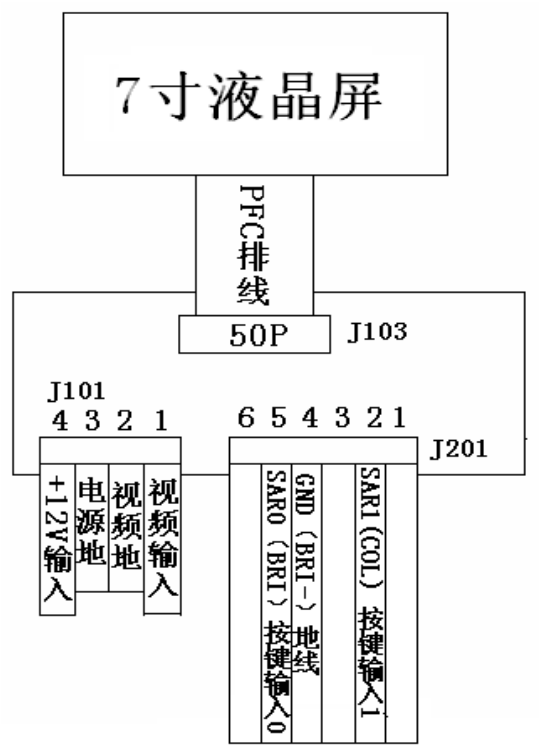
JD567MD VER:1.02-AT070TN90 color tft lcd module is compose by JD567MD VER:1.02 driver board and 7”Innolux (AT070TN90) digital panel. It can input CVBS,S-VIDEO, OSD menu display, and adopt IC to control power.

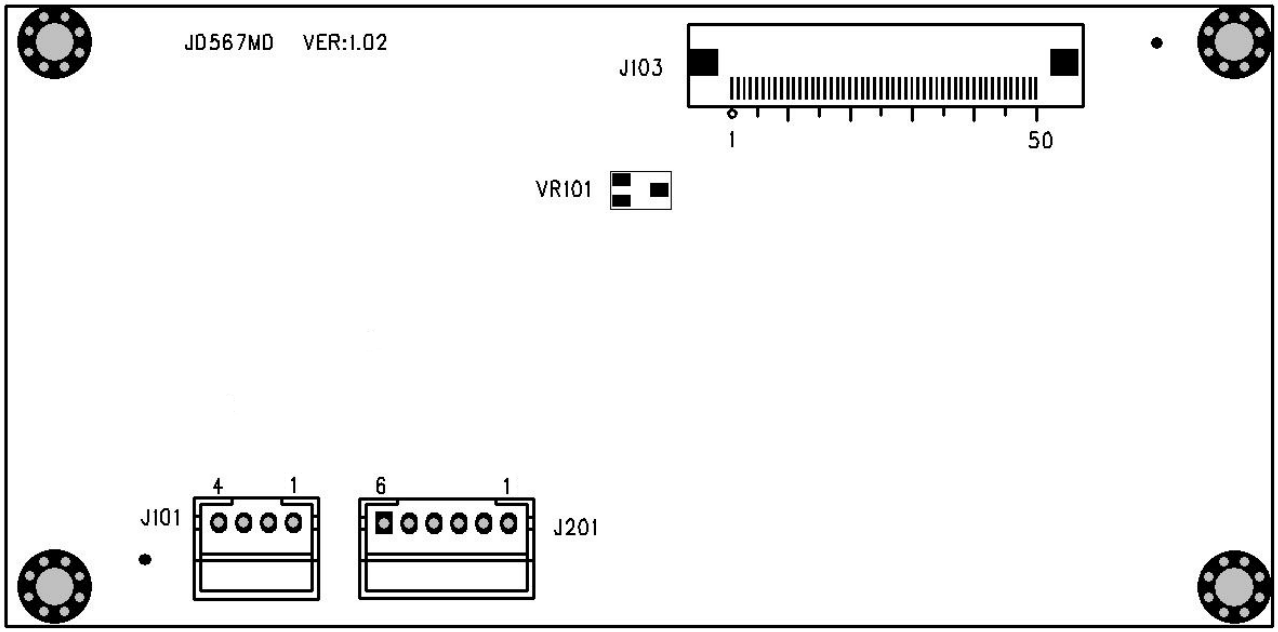
2.Main Parameter:

- Name：7”Digital TFT-LCD Module
- Model：JD567MD VER:1.02-AT070TN90
- Panel：7” TFT-LCD (Innolux)
- Backlight：LED
- Resolution：800×3RGB×480
- Brightness：250 cd/m^2 (take FPC line down, only light the backlight to test)
- View angle（U/D/L/R）：(50/70/70/70)
- Power input：DC9~15V（Type12V　290mA±20mA）
- Rated power: 3.5W
- Dimension of panel(mm)：154.08（H）× 85.92（V）
- Overall dimension of panel(mm)：164.9(W)×100（H）× 5.7(D)
- Structural dimension of PCB(mm)：102.0(W)×50.0（H）× 8.2(D)
- Operation temperature：-10~60℃
- Relative humidity：5~95% RH
- Storage temperature：-20℃~+70℃

3.Product Picture:

4. Wiring Diagram:

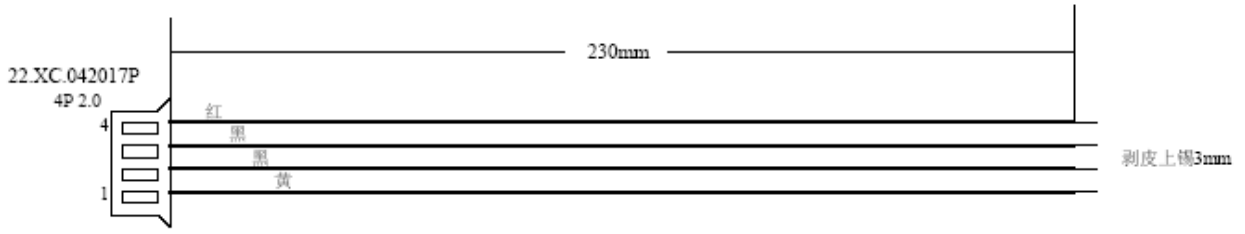




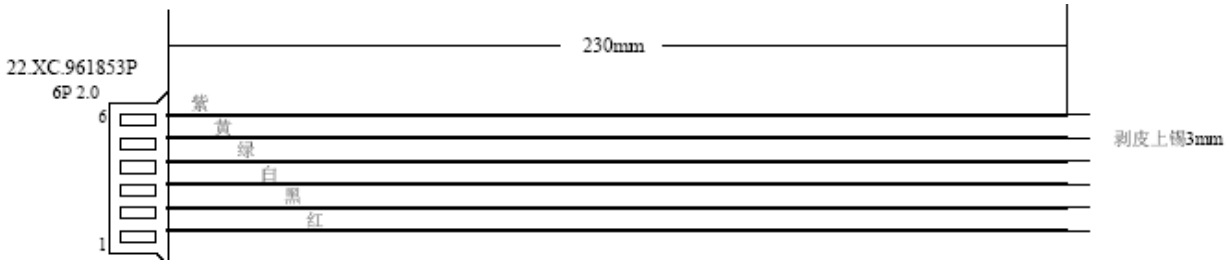
Cables:

Reverse cable:

22.XC.042017P 4PIN(2.0mm)without jack length for 230mm(yellow, black, black,red)ROHS.



22.XC.961853P(2.0)230mm without jack ROHS.



5. The connection definition of driver board:

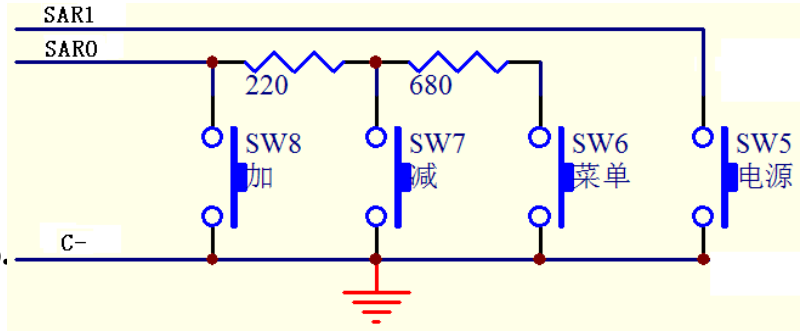
5.1 J101:

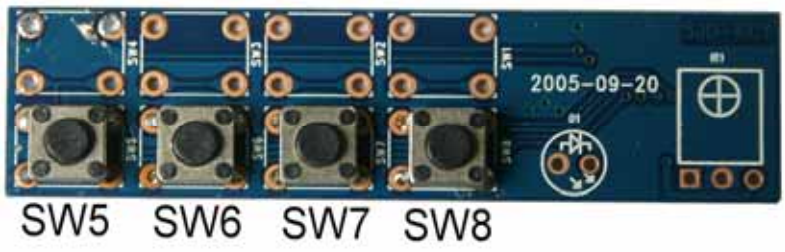
Pin No.	Symbol	I/O	Description	Remark
1	VIDEO	I	Video input	
2	GND	-	Ground	
3	GND	-	Ground	
4	+12V	I	DC12V input	

5.2 J201:

Pin No.	Symbol	I/O	Description	Remarks
1	GND（COL-）	O		
2	SAR1（COL）	I	Pushbutton input1	
3	VCC（COL+）	O		
4	GND（BRI-）	O	Ground	
5	SAR0（BRI）	I	Pushbutton input 0	
6	VCC（BRI+）	O		

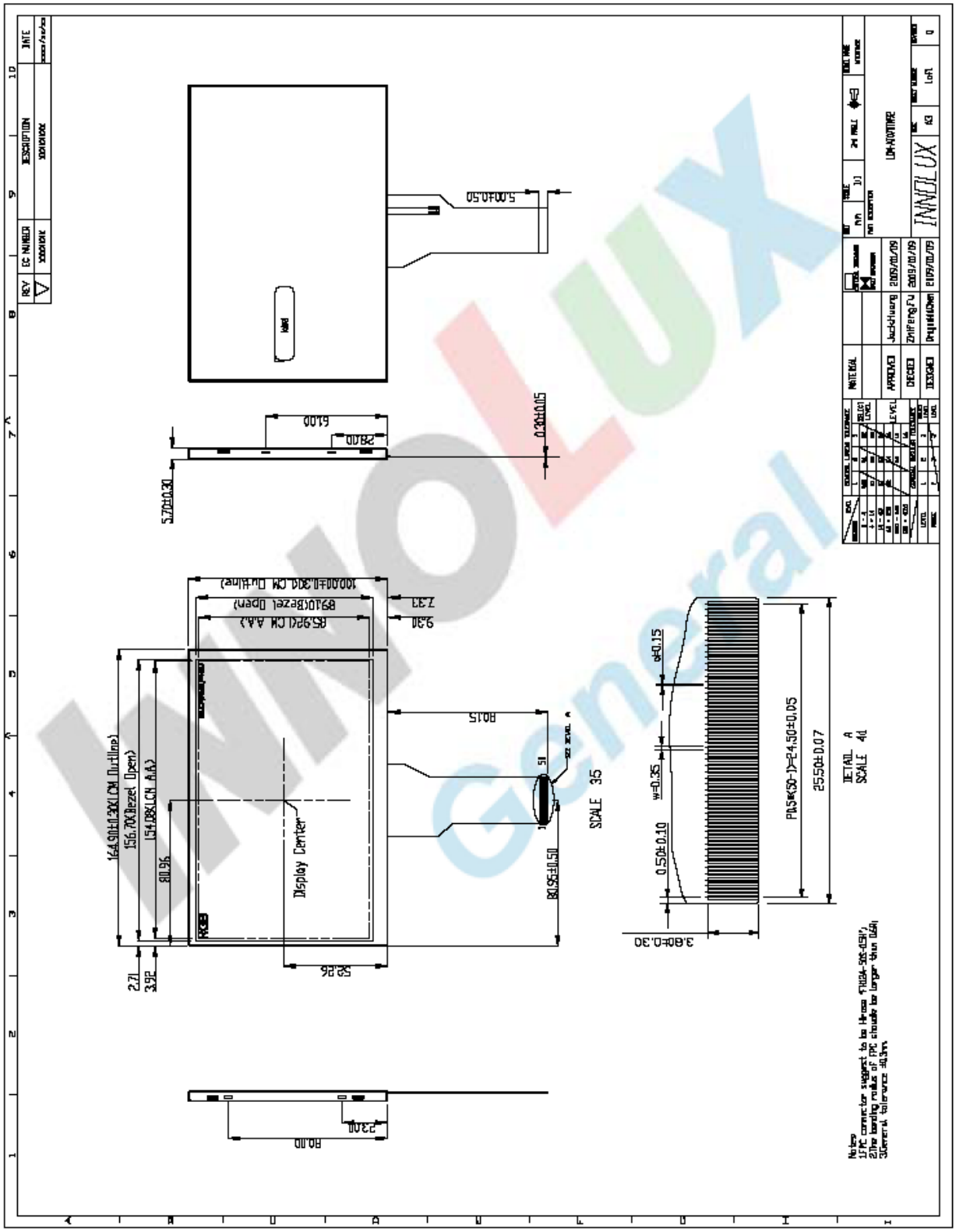
Keyboard diagram :



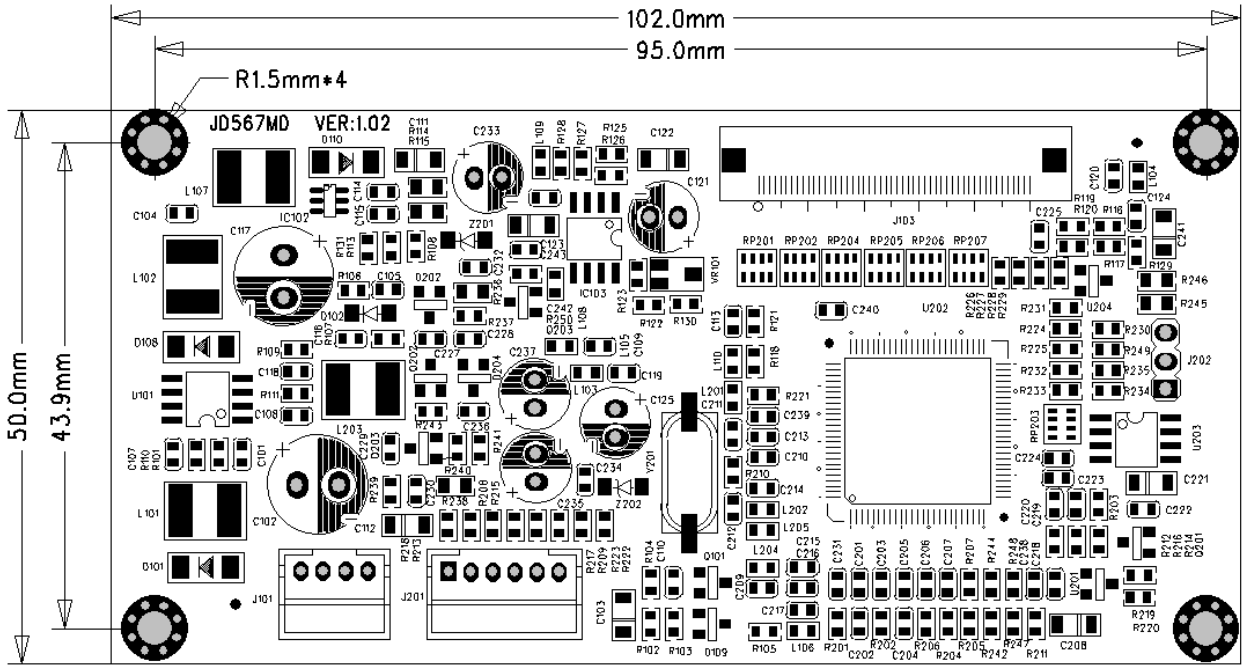


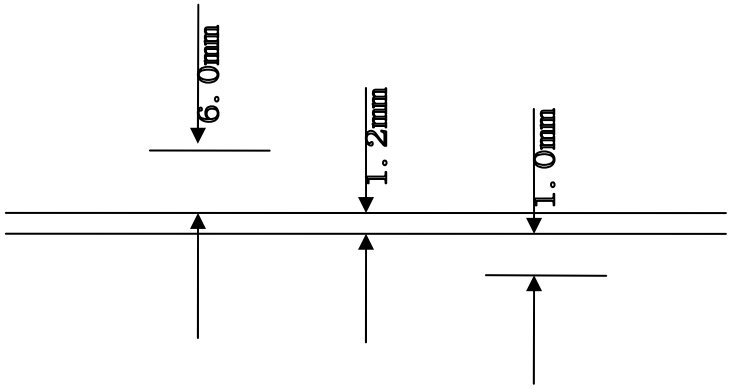
6. Structural Diagram:

6.1 LCD Panel:



6.2 PCB dimension: 102.0 (W)×50.0 (H) ×8.2 (D)





7.Product sign:

AT070TN90

8. Packing:

a. 1unit/box volume:23x13x4cm weight:0.244kg

b.One carton volume:52x49x39cm One carton pack quantity:56units weight:15.421kg

9. Precaution:

1. Voltage don't exceed upper limit.
2. The connector can't connect board in reverse, or will burn the board and influence the product.
3. Please don't touch it in order to keep your skin non-burn when you electrify the board(high voltage on the board).
4. 7"TFT LCD Panel is a electronic product, so you need to take anti-static measure when you operate it.
5. 7"TFT-LCD Panel is a glasswork, place carefully ,broken for fear.
6. The connection is "FPC", which connect 7"TFT-LCD panel with PCB, Please operate it carefully, in order to keep it well.
7. Don't touch VR's pin feet when you adjust VR, due to Person have resistance, you will effect VR's function when touch it.

10. 7"TFT- LCD PANEL Inspection Standard:

Aim：Establishing the standard of PANLE for inspecting material & progress and for clients' inspection.

Scope：Apply to 7″TFT LCD

Content：

8.1. Inspection standard and method：

8.1.1. The method and determinant of inspecting the nick of panel of LCD：

9.1.1.1. Inspect vertically (or at 45 ° angle from left/right)under the light tube (the power is 20 W) in the distance of 30cm to the panel. If there is no nick , it is "OK". Otherwise "NG".

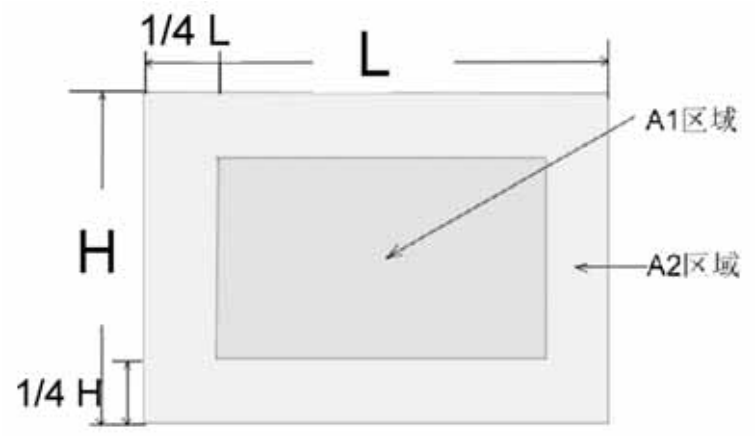
8.1.2. The method and determinative for black & white & color spots for the Panel of LCD：

8.1.2.1. Inspection methods

8.1.2.1.1. Black spots：under status of denote light，set the MASK of black spot inspection near the black spot then compare the big and small by eyes.

8.1.2.1.2. White & Color spots: under status of denote light, set the Mask of black spot inspection on the white spot(or color spot) then inspect them by eyes if it can hide.

8.1.2.2. Division of LCD Panel



Remark：A1：The center of the available area for the picture

A2：The edge of the available area for the picture（around the central area）

8.1.3. Determinant Choice

Spot Diameter（mm）		Allowed Area	
		A1	A2
Black Spot	d≤0.15	Irrespective	Irrespective
	0.15<d≤0.3	4	4
	0.3<d≤0.5	2	3
	0.5<d≤0.8	0	2
White or color spot	d≤0.15	Irrespective	Irrespective
	0.15<d≤0.3	3	3
	0.3<d≤0.5	1	2
	0.5<d≤0.8	0	1

Remark: 1. Size: Average Diameter=（Max. Diameter + Min. Diameter）/2

2. Using information above as a standard in order to judge while the spot is are dense.

3. Black & White spot：To judge the obvious spots through the change of voltage by comparison。

4. Total quantity of Black & white & color spot: A1+A2 ≤ 4。