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# RECORD OF REVISIONS

VERSION NO	DATE	PAGE	DESCRIPTION

## 1. GENERAL DESCRIPTION

2621 V 2.0-A is a single purpose LCD controller. It is designed to support LVDS LCD panel.

The main feature of 2621 V 2.0-A can only support VGA Signal input.

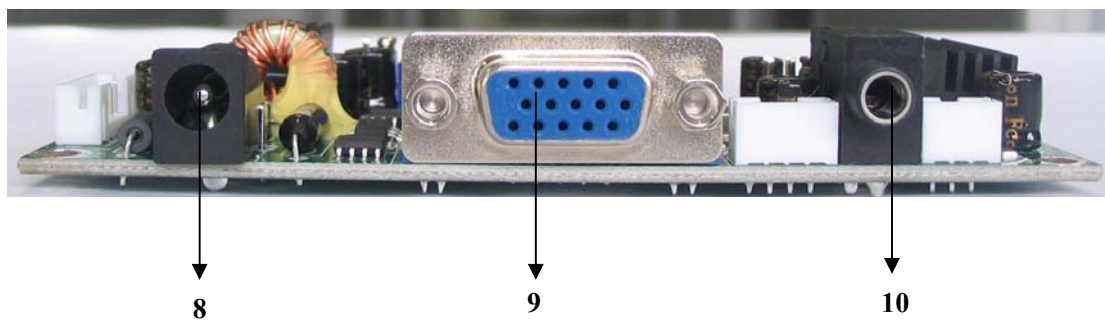
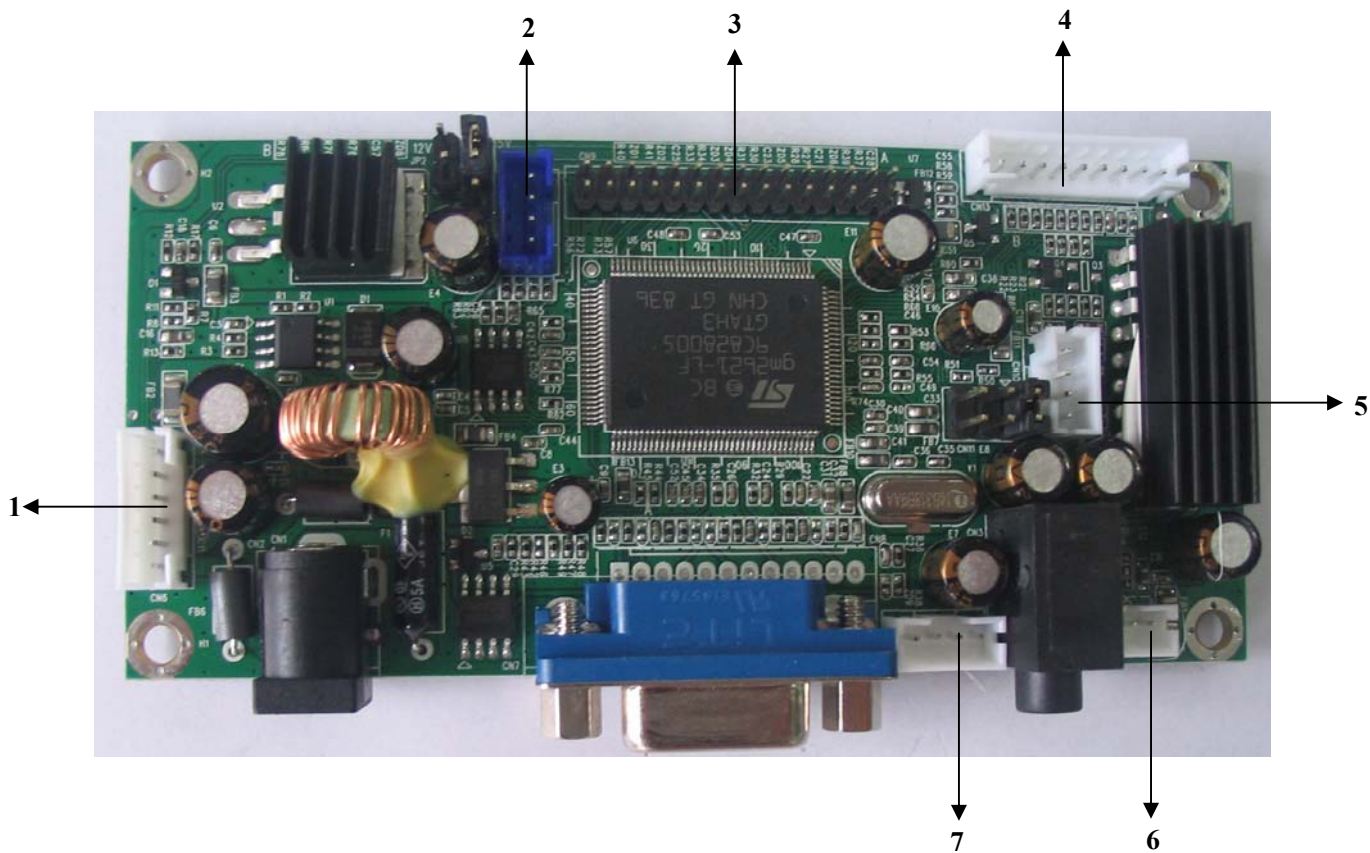
## 2 FEATURES

Below you will find the detailed feature

Single input	PC-RGB	Format	Up to 1680*1050@60HZ
		Color	16bit, 24bit, 32bit
Audio input	PC-RGB	Left and right audio input	
Power	Power Requirement	12V	
	To panel	3.3V,5V,12V	
	Manage	Low power consumable mode: standby<2W	
OSD Language	Chinese,English, French ,Spanish , Italian, German, Russian, Korean		
Key Functions	EXIT,MENU, AUTO,LEFT,RIGHT, ON/OFF		
Audio Output	2*2w (8 Ω)		
Weak signal enhancement		/	
Nosier reduction		/	
Panel Resolutions	Up to 1680*1050@60HZ		
Terminals	Input	PC-RGB Input	1D-SUB 15PIN terminal blue color
		PC-RGB Audio Input	1 earphone terminal black color
	Output	To Panel	LVDS 30PIN/2.0 jack

### 3. FUNCTION LAYOUT

#### PICTURE OF LCD CONTROLLER



(The color of actual item may vary and the image is only for information)

#### INTERFACE FUNCTION DESCRIPTION

NO.	DESCRIPTION	NO.	DESCRIPTION
1 (CN6)	INVERTER INTERFACE	6(CN4)	AUDIO L/R INPUT
2 (CN12)	ATV DEBUG PORT	7(CN5)	SPEAKER OUTPUT
3 (CN9)	LVDS PANEL INTERFACE	8(CN1)	DC IN
4 (CN13)	KEY BOARD	9(CN7)	VGA IN
5 (CN10)	I2C DEBUG PORT	10(CN3)	AUDIO L/R INPUT

## INTERFACE DEFINITION

Below ,please see the symbol and description from left to right pin

### CN6( 6PIN/2.0 ) INVERTER INTERFACE

NO	SYMBOL	DESCRIPTION
1	GND	Ground
2	GND	Ground
3	ADJ	Brightness adjustment
4	BKL	Black-light ON/OFF control
5	12V	+12V DC Power supply
6	12V	+12V DC Power supply

### C12(4PIN/2.0)ATV DEBUG PORT

NO	SYMBOL	DESCRIPTION
1	5V	+5V DC Power supply
2	TXD	Transmit data
3	RXD	Receive data
4	GND	Ground

### CN9 (2\*15PIN/2.0)LVDS PANEL INTERFACE

NO	SYMBOL	DESCRIPTION
1	VDD	Power for panel
2	VDD	Power for panel
3	VDD	Power for panel
4	GND	Ground
5	GND	Ground
6	GND	Ground
7	ATX0-	LVDS ODD 0- Signal
8	ATX0+	LVDS ODD 0+ Signal
9	ATX1-	LVDS ODD 1- Signal
10	ATX1+	LVDS ODD 1+ Signal
11	ATX2-	LVDS ODD 2- Signal
12	ATX2+	LVDS ODD 2+ Signal
13	GND	Ground
14	GND	Ground
15	ATCK-	LVDS ODD Clock- Signal
16	ATCK+	LVDS ODD Clock+ Signal
17	ATX3-	LVDS ODD 3- Signal
18	ATX3+	LVDS ODD 3+ Signal
19	BKX0-	LVDS EVEN 0- Signal
20	BKX0+	LVDS EVEN 0+ Signal
21	BKX1-	LVDS EVEN 1- Signal
22	BKX1+	LVDS EVEN 1+ Signal
23	BKX2-	LVDS EVEN 2- Signal

24	BKX2+	LVDS EVEN 2+ Signal
25	GND	Ground
26	GND	Ground
27	BTCK-	LVDS EVEN Clock- Signal
28	BTCK+	LVDS EVEN Clock+ Signal
29	BKX3-	LVDS EVEN 3- Signal
30	BKX3+	LVDS EVEN 3+ Signal

#### CN13(9PIN/2.0)KEY BOARD

NO	SYMBOL	DESCRIPTION
1	EXIT	EXIT Key
2	MENU	MENU Key
3	AUTO	AUTO Key
4	LEFT	LEFT Key
5	RIGHT	RIGHT Key
6	GND	Ground
7	LED _ G	Green indicator
8	LED _ R	Red indicator
9	ON/OFF	ON/OFF key

#### CN10(4PIN/2.0) DTV DEBUG PORT

NO	SYMBOL	DESCRIPTION
1	GND	Ground
2	SDA	I2C DATA
3	SCL	I2C CLOCK
4	GND	Ground

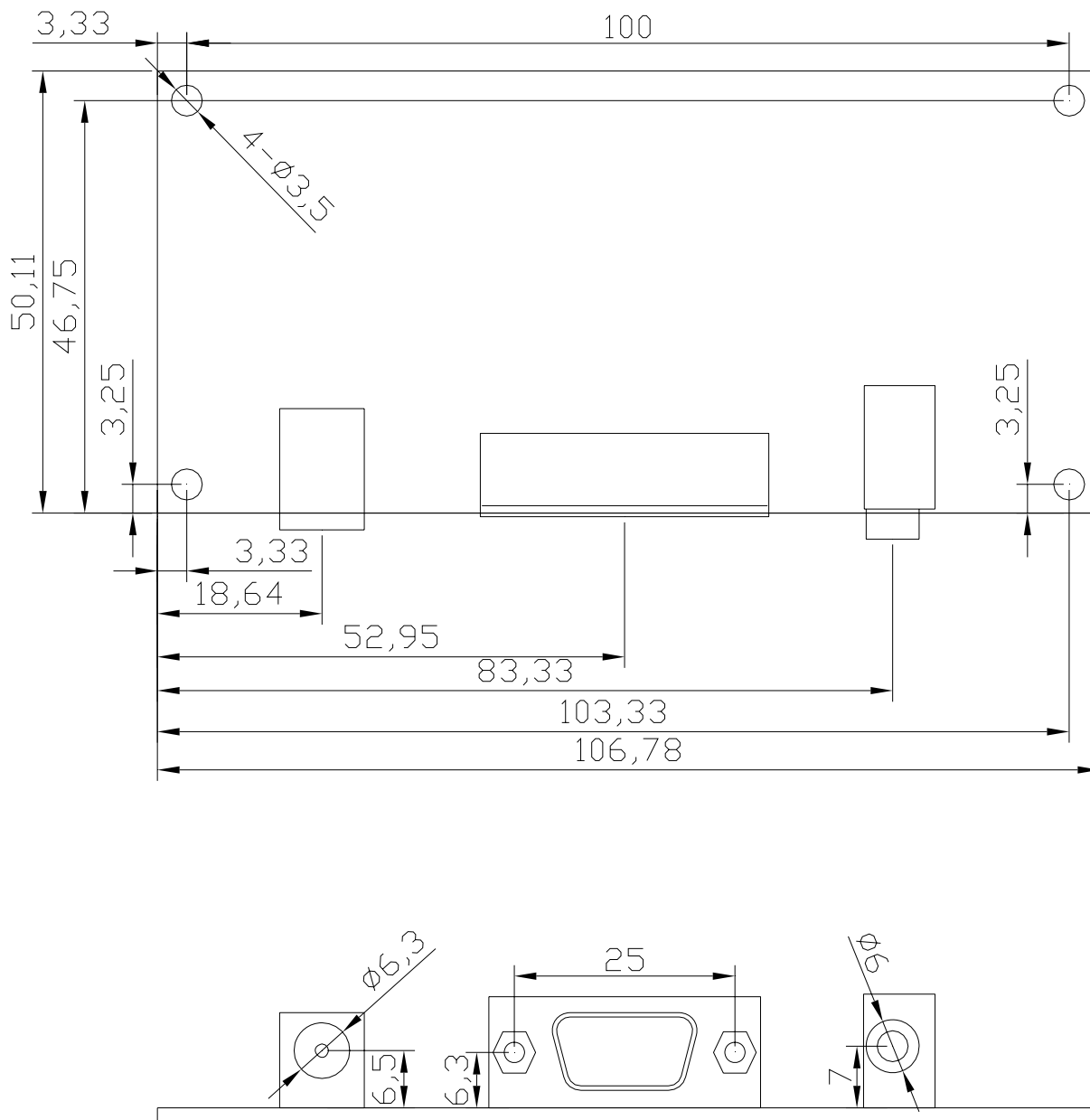
#### CN4(3PIN/2.0) SCART 1 AUDIO(L)(R) OUTPUT

NO	SYMBOL	DESCRIPTION
1	AUD_R	SCART 1-ROUT
2	GND	Ground
3	AUD_L	SCART 1-LOUT

#### CN5(4PIN/2.0)SPEAKER

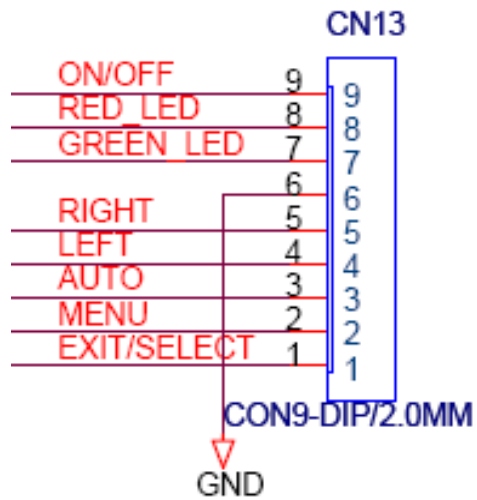
NO	SYMBOL	DESCRIPTION
1	SPK_L	Left audio channel out
2	GND	Ground
3	GND	Ground
4	SPK_R	Right audio channel out

# 4.CONTROLLER DIMENSIONS



长度单位为 mm

## 5.KEY BOARD SYSTEM SCHEMATIC



## 6.OPERTION REQUIREMENT

Do not pressed and distorted.

Keep away from static and water.

Relative humidity :≤80%

Storage temperature:-10~+60℃

Operation temperature:0~+40℃