

# CONTENTS (目录)

TITLE 标题	PAGE 页码
CONTENTS (目录) .....	1
RECORD OF REVISIONS (修改记录) .....	1
GENERAL DESCRIPTION (整体概述) .....	2
FUNCTION LAYOUT (产品外观图) .....	2
FEATURES (产品特性) .....	2
INTERFACE DEFINITION (接口定义) .....	3
CONTROLLER DIMENSIONS (板卡结构图) .....	6
KEY & IR BOARD SYSTEM SCHEMATIC..... (按键和遥控系统原理图)	6
OPERATION REQUIREMENT (操作要求) .....	7

## RECORD OF REVISIONS (修改记录)

REVISION NO.	DATE	PAGE	DESCRIPTION

### 1. GENERAL DESCRIPTION (整体概述)

0070 V1.1 is a multi-purpose LCD monitor board, is designed to support dual/inde

2270 V1.1, a multi-purpose LCD monitor board, is designed to support dual/single LVDS LCD panel. It can support VGA, IR receive, earphone input and speaker

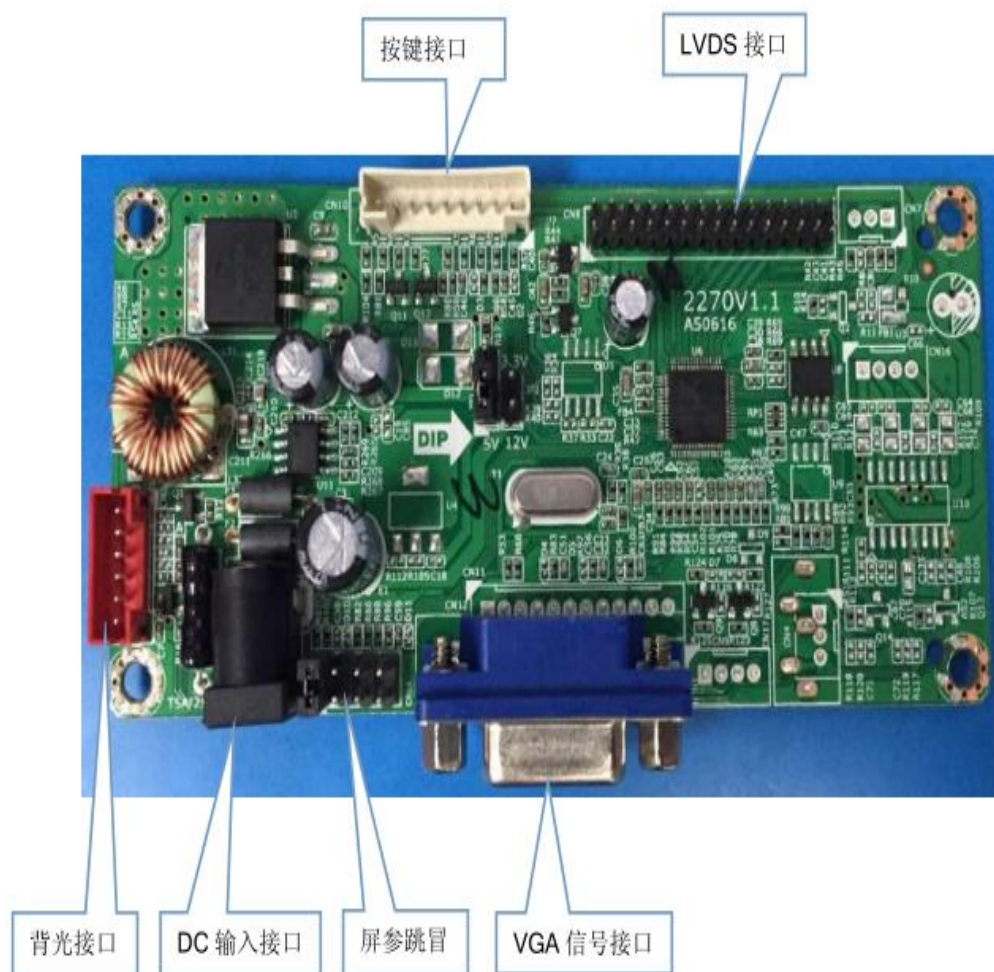
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output.

2270 V1.1是一个多功能的LCD驱动板，支持单、双LVDS LCD面板。同时也支持VGA、遥控信号接收、耳机输入和扬声器输出。

## 2. FUNCTION LAYOUT (产品外观图)

### PICTURE OF LCD CONTROLLER



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

实物颜色可能与此图有出入，此图仅供参考。

### 3. FEATURES (产品特征)

Below you will find the detailed feature

Video input 视频输入	PC-RGB	Format	Up to 1680 * 1050 @60HZ
		Color	16bit, 24bit, 32bit
Audio input 音频输入	PC-RGB	Pc: Earphone input	

2

Power 功率	Power Requirement (功率要求)	12V
	To panel (驱屏电压)	3.3V,5V,12V
	Management (电源管理)	Low power consumable mode: standby<3w
OSD Language OSD语言	Chinese, English,( French ,Spanish ,German, Japanese)(Option ) 中文, 英语 (法语, 西班牙语, 德语, 日语)	
Key Functions 按键功能	AUTO,MENU,LEFT,RIGHT,EXIT,ON/OFF (Control by remote control) 自动, 菜单, 左, 右, 退出, 电源 (远程遥控)	
Audio Output 音频输出	4 Ω×2W	

### 4. INTERFACE DEFINITION (接口定义)

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

#### CN3( 6PIN/2.0 ) INVERTER INTERFACE (背光接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION (描述)
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1	GND	Ground (地)
2	GND	
3	BK_ADJ	Brightness adjustment (亮度调节)
4	BK_ON	Back-light ON/OFF control (背光开关控制)
5	12V	+12VDC Powersupply (+12v直流供电)
6	12V	

### CN10(10PIN/2.0)KEY BOARD (按键接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	EXIT	EXIT key (退出键)
2	MENU	NENU key (菜单键)
3	AUTO	AUTO key (自动键)
4	LEFT	LEFT key (左键)
5	RIGHT	RIGHT key (右键)
6	GND	Ground (地)
7	LED_G	Green led (绿色指示器)
8	LED_R	Red led (红色指示器)

9	ON/OFF	ON/OFF key (开/关键)
10	NC	NC

### CN7 (3PIN/2.0) REMOTE RECEIVER INTERFACE (遥控接收器接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	IR_IN	Remote receiver (遥控信号输入端)
2	GND	Ground (地)
3	IR_VCC	+5V DC power supply (+5v直流供电)

### CN9(4PIN/2.0) UART INTERFACE (UART接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述

1	GND	Ground (地)
2	TXD	Transmit data (传输数据)
3	RXD	Receive data (接受数据)
4	5V	+5V DC power supply (+5V直流供电)

#### CN6(4PIN/2.0) SPEAKER INTERFACE (喇叭接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	SPK_R-	Negative Right audio channel out (负右声道输出)
2	SPK_R+	Positive Right audio channel out (正右声道输出)
3	SPK_L+	Positive Left audio channel out (正左声道输出)
4	SPK_L-	Negative Left audio channel out (负左声道输出)

#### CN8(2\*15PIN/2.0)LVDS PANEL INTERFACE (LVDS 接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	LCD_PWR	Power for panel (屏电压)
2	LCD_PWR	
3	LCD_PWR	
4	GND	Ground (地)
5	GND	

4

6	GND	
7	ATX0-	LVDS 0DD 0- Signal (LVDS 0DD 0-信号)
8	ATX0+	LVDS 0DD 0+ Signal (LVDS 0DD 0+信号)
9	ATX1-	LVDS 0DD 1- Signal (LVDS 0DD 1-信号)
10	ATX1+	LVDS 0DD 1+ Signal (LVDS 0DD 1+信号)
11	ATX2-	LVDS 0DD 2- Signal (LVDS 0DD 2-信号)
12	ATX2+	LVDS 0DD 2+ Signal (LVDS 0DD 2+信号)
13	GND	

13	GND	Ground (地)
14	GND	
15	ATCK-	LVDS 0DD Clock- Signal (LVDS 0DD Clock -信号)
16	ATCK+	LVDS 0DD Clock+ Signal (LVDS 0DD Clock +信号)
17	ATX3-	LVDS 0DD 3- Signal (LVDS 0DD 3-信号)
18	ATX3+	LVDS 0DD 3+ Signal (LVDS 0DD 3+信号)
19	BTX0-	LVDS EVEN 0- Signal (LVDS EVEN 0-信号)
20	BTX0+	LVDS EVEN 0+ Signal (LVDS EVEN 0+信号)
21	BTX1-	LVDS EVEN 1- Signal (LVDS EVEN 1-信号)
22	BTX1+	LVDS EVEN 1+ Signal (LVDS EVEN 1+信号)
23	BTX2-	LVDS EVEN 2- Signal (LVDS EVEN 2-信号)
24	BTX2+	LVDS EVEN 2+ Signal (LVDS EVEN 2+信号)
25	GND	Ground (地)
26	GND	
27	BTCK-	LVDS EVEN Clock- Signal (LVDS EVEN Clock -信号)
28	BTCK+	LVDS EVEN Clock+ Signal (LVDS EVEN Clock +信号)
29	BTX3-	LVDS EVEN 3- Signal (LVDS EVEN 3-信号)
30	BTX3+	LVDS EVEN 3+ Signal (LVDS EVEN 3+信号)

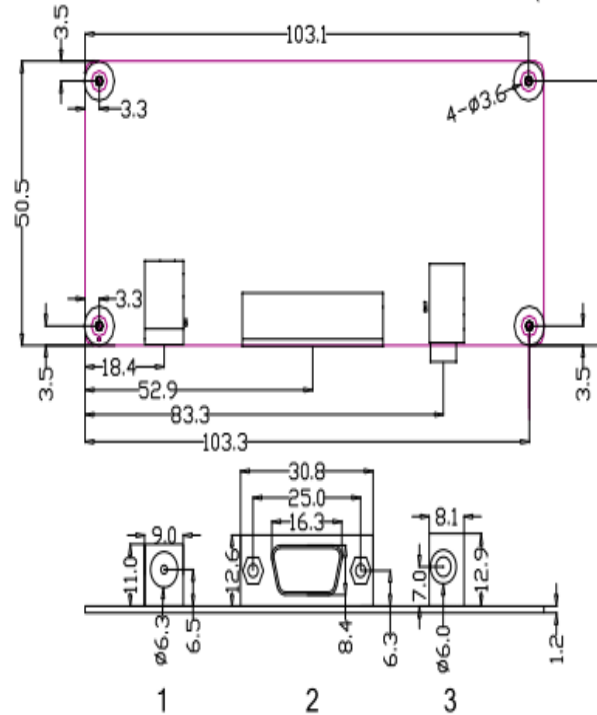
### CN11(12PIN/2.0)VGA INTERFACE (VGA接口)

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	SCL	IIC Clock Signal (总线时钟信号)
2	SDA	IIC Data Signa (总线数据信号)
3	GND	Ground (地)
4	B+	VGA_ B+ Signal (VGA蓝色信号)
5	B-	VGA_ B- Signal (VGA蓝色地信号)

6	G+	VGA_ G+ Signal (VGA绿色信号)
7	G-	VGA_ G- Signal (VGA绿色地信号)

8	R+	VGA_R+ Signal (VGA红色信号)
9	R-	VGA_R- Signal (VGA红色地信号)
10	HS	VGA_HS Signal (VGA行同步信号)
11	VS	VGA_VS Signal (VGA场同步信号)
12	GND	Ground (地)

#### 4. CONTROLLER DIMENSION (板卡结构图) Unit:MM (单位:毫米)



1	2	3
DC IN 直流电源输入	VGA VGA 信号输入	PC-AUDIO IN 耳机输入

#### 5. KEY& IR BOARD SYSTEM SCHEMATIC (按键和遥控系统原理图)

## 7. OPERATION REQUIREMENT (操作要求)

- (1) Do not press and distort. 请勿挤压和弯曲。
- (2) Keep away from static and water. 远离静电和水。
- (3) Relative humidity : $\leq 80\%$  相对湿度:  $\leq 80\%$
- (4) Storage temperature: $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$  储藏温度 :  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$
- (5) Operation temperature: $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$  使用温度:  $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$

























