

LCD Controller Board Datasheet

Product Name 产品名称	Multi-purpose LCD Control Board
Model No. 型号	RTD2556V3.0

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History Log

Revision No.	Date	Page	Description



1. GENERAL DESCRIPTION (整体概述)

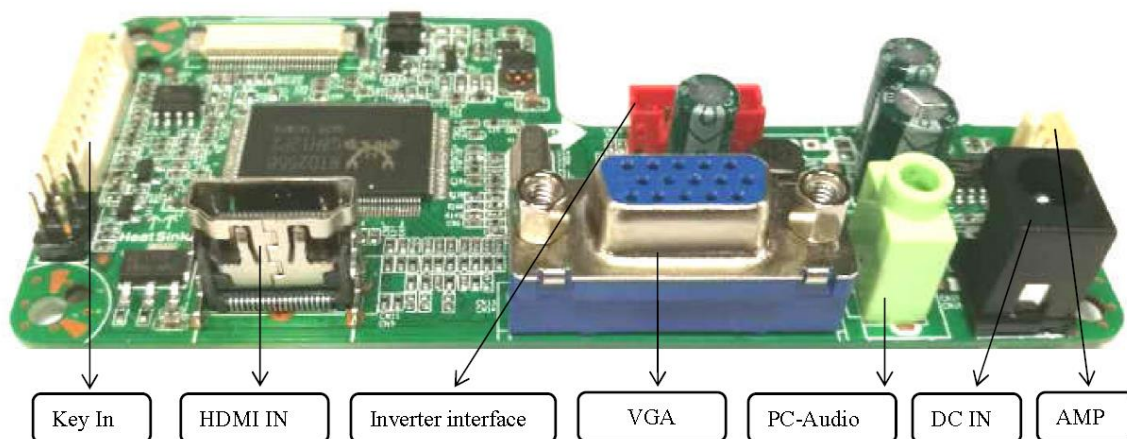
RTD2556 V3.0 is a multi-purpose LCD/LED monitor board, is designed to support EDP Panel and LVDS Panel. It can support HDMI port input.

RTD2556 V3.0是一个多功能的LCD/LED驱动板, 支持EDP和LVDS面板。支持VGA端口输入。

2. FUNCTION LAYOUT (产品外观图)

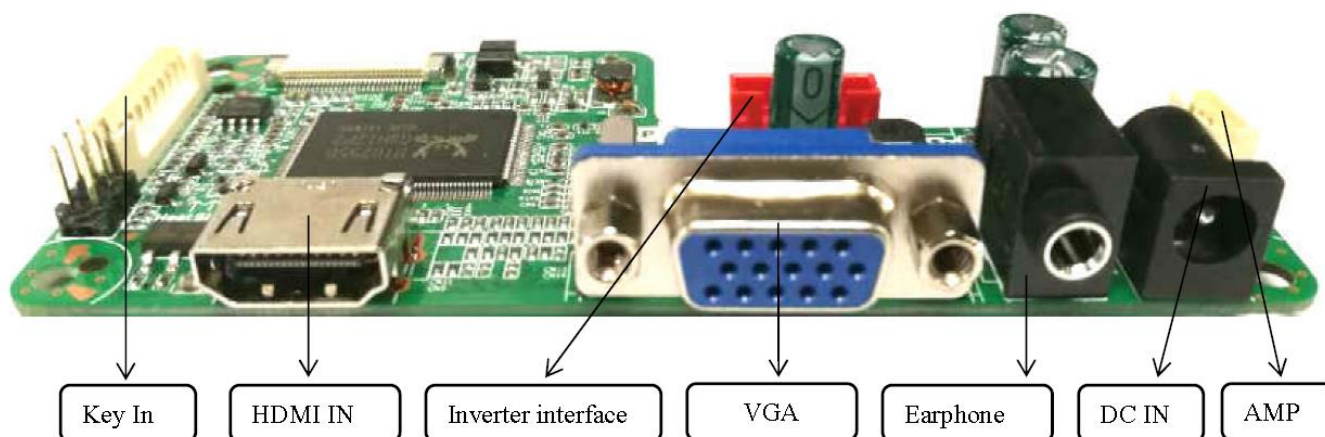
TOP VIEW OF RTD2556 V3.0 (俯视图)

A. Back inside (背出式)



OPTION 1

B. Side insert (侧出式)



(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 (产品特性)

Signal input信号输入	HDMI	Format	Up to 1920 * 1080 @60HZ
		Color	6bit, 8bit, 10bit, 12bit
Power 功率	DC INPUT (直流输入)	12V	
	To panel (驱屏电压)	3.3V, 5V, 12V	
	Management (电源管理)	Low power consumable mode: standby<0.3w	
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 自动, 菜单, 左, 右, 退出, 电源		

4. INTERFACE DEFINITION (接口定义)

Below please find the symbol and description from left to right pin.

TP7(6PIN/2.0) INVERTER INTERFACE

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

CN10(10PIN/2.0)KEY BOARD

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

JP8(2*10PIN/2.0) Dupont EDP INTERFACE

NO 管脚	SYMBOL 板上丝印	DESCRIPTION 描述
1	GND	Ground (地)
2	GND	
3	Lanel1_N	Complement Signal Link Lane 1
4	Lanel1_P	True Signal Link Lane 1
5	GND	Ground (地)
6	GND	
7	Lane0_N	Complement Signal Link Lane 0
8	Lane0_P	True Signal Link Lane 0
9	AUX_CH_N	Complement Signal Auxiliary Ch
10	AUX_CH_P	True Signal Auxiliary Ch
11	GND	Ground (地)
12	HPD	HPD signal pin
13	LCD_VCC	LCD logic and driver power
14	LCD_VCC	
15	ADJ	Backlight adjust for dimming
16	EN	Backlight On/Off
17	GND	Ground (地)
18	GND	
19	BL_PWR	Backlight power
20	BL_PWR	Backlight power

CN8(30PIN/0.5)EDP INTERFACE

NO 管脚	PIN NAME 引脚名	DESCRIPTION 描述
1	NC	NC
2	GND	Ground
3	Lanel1_N	Complement Signal Link Lane 1
4	Lanel1_P	True Signal Link Lane 1
5	GND	Ground
6	Lane0_N	Complement Signal Link Lane 0
7	Lane0_P	True Signal Link Lane 0
8	GND	Ground
9	AUX_CH_P	True Signal Auxiliary Ch



10	AUX_CH_N	Complement Signal Auxiliary Ch
11	GND	Ground
12	LCD_VCC	LCD logic and driver power
13	LCD_VCC	LCD logic and driver power
14	NC	NC
15	LCD_VCC	LCD logic and driver power
16	LCD_VCC	LCD logic and driver power
17	HPD	HPD signal pin
18	GND	Ground
19	GND	Ground
20	GND	Ground
21	GND	Ground
22	EN	Backlight On/Off
23	ADJ	Backlight adjust for dimming
24	NC	NC
25	NC	NC
26	BL_PWR	Backlight power
27	BL_PWR	Backlight power
28	BL_PWR	Backlight power
29	BL_PWR	Backlight power
30	NC	NC

Remarks:

Please feel free to send us your requested information or technical question to relavent sales or our technical team:
service@sinotronics.com. We will offer you best parts to meet your requests.

