



EuroTouch
CRÉATEUR DE SOLUTIONS TACTILES

LCD Control Board

Eurotouch IS serie Control Board VGA/Video



1 . GENERAL DESCRIPTION

FLI8125 V3.22 is a multi-purpose LCD controller, it is suitable European market. It is designed to support dual/single LVDS which 15-22 inch LCD panel.

The main feature of 8125V3.22 can support,VGA, YPbPr(External) TV signal input, S-VIDEO,AV

2 FEATURES

Below you will find the detailed feature

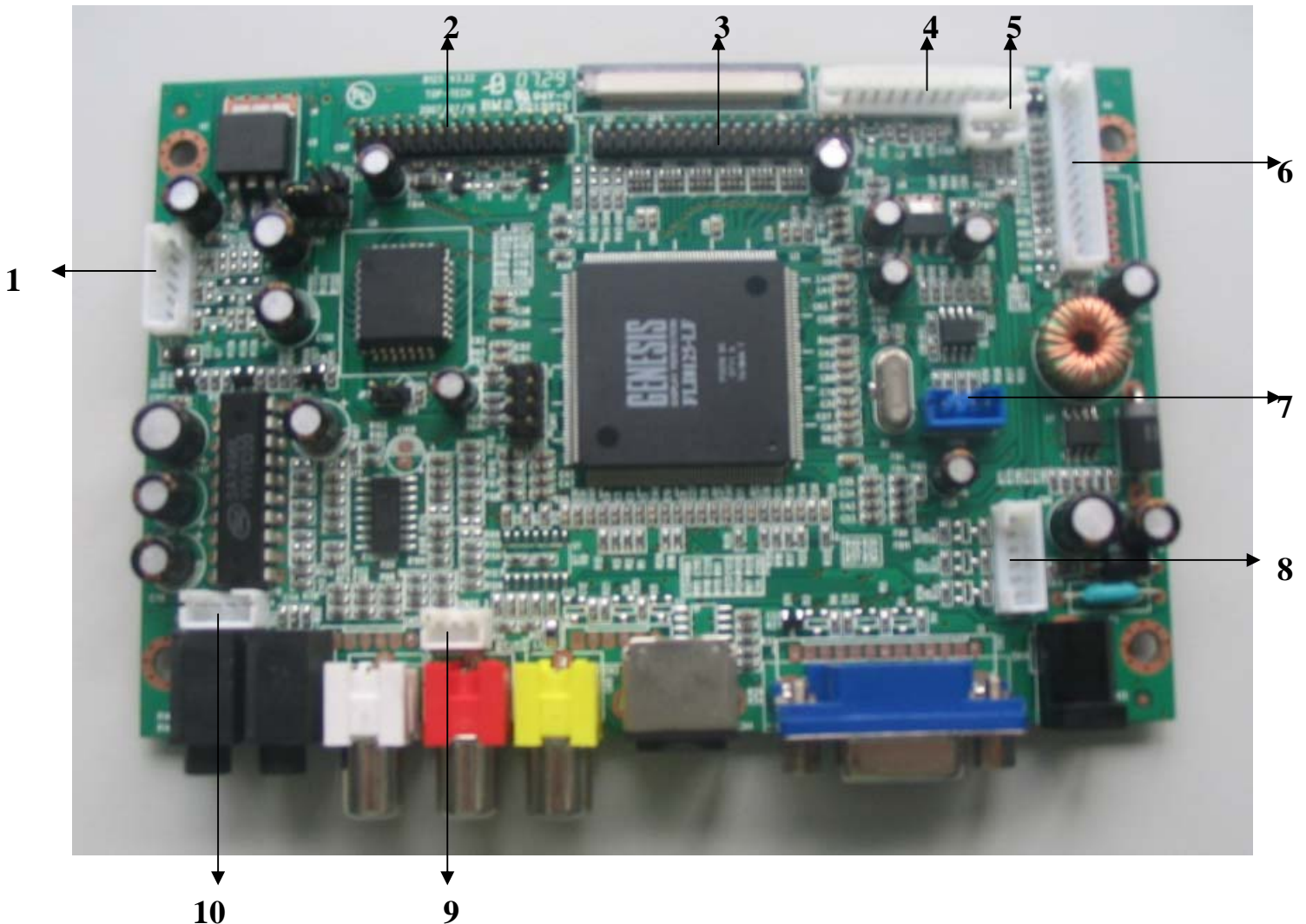
Video Input	TV	VIDEO SYSTEM	PAL、 SECAM	
		SOUND SYSTEM	BG ,DK ,I, L(Secam)	
		RECEIVE CHANNEL	255	
	S-Video	S-Y:1.0V Vp-p +/-5% S-C:0.3Vp-p +/-5%		
	CVBS	1.0Vp-p +/-5%		
	YPbPr/YCbCr	480i、 480p、 576i、 576p、 720p		
	PC-RGB	Format	Up to 1680*1050@60HZ	
		Color	16bit, 24bit, 32bit	
	HDMI			
SCART	/			
Expansion function	Card reader/USB	None		
	Inbuilt DVD	None		
Audio input	S-Video/CVBS	Left and right audio input		
	PC-RGB and YUV	Pc:Earphone input		
Power	Power Requirement	12V		
	To panel	3.3V,5V,12V		
	Manage	Low power consumable mode: standby<3w		
OSD Language	English, French ,Spanish , Italian, German, Portuguese, Dutch(Option)			
Key Functions	CH-,CH+,MENU,VOL-,VOL+,AUTO,ON/OFF (Control by remote control)			
Audio Output	2*2w (8 Ω)			
Comb Filter	2D	De-interlace	2D(HDTV)	
Weak signal enhancement	/			
Noiser reduction	/			
PIP	No			
EPG	/			
NICAM/A2, TELETEXT	/			

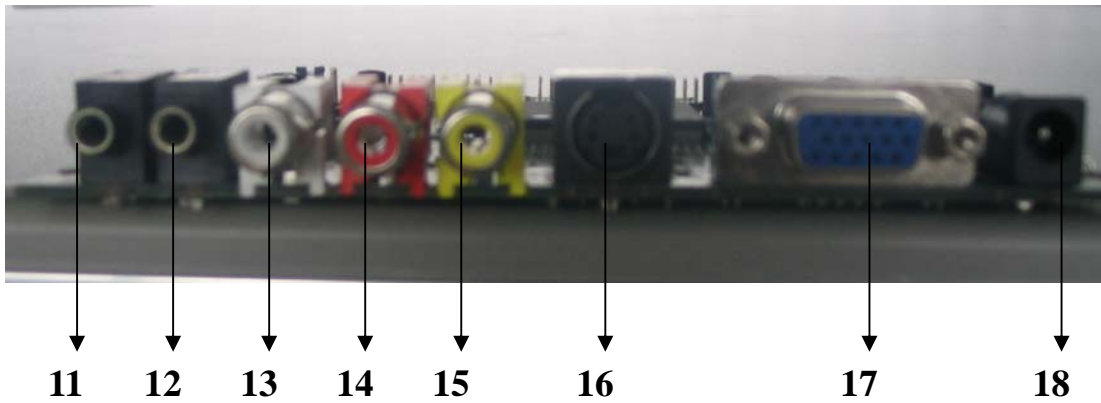


Panel Resolutions	Up to		
Terminals	Input	TV Input	1 IEC 75 Ω
		PC-RGB Input	1D-SUB 15PIN terminal blue color
		S-Video Input	1S-Video terminal black color
		CVBS Input	1RCA terminal yellow color
		YPbPr Input	3RCA terminal green color,blue color and red color (external)
		HDMI Input	/
		SCART	/
		CVBS Audio Input	2RCA terminal white color,red color
		YPbPr Audio Input	2RCA terminal white color, red color(external)
	PC-RGB Audio Input	1 earphone terminal black color	
Output	To Panel	LVDS 30PIN/2.0 jack	

3 FUNCTION LAYOUT

PICTURE OF LCD CONTROLLER





INTERFACE FUNCTION DESCRIPTION

NO	DESCRIPTION	NO	DESCRIPTION
1 (CN24)	INVERTER PORT	11	EARPHONE
2 (CN19)	LVDS PANEL INTERFACE	12	PC AUDIO IN
3 (CN8)	TTL INTERFACE	13	AUDIO IN(L)
4 (CN23)	TV EXTERNALCONNECTOR	14	AUDIO IN(R)
5 (CN12)	REMOTE RECEIVER INTERFACE	15	AV IN
6 (CN15)	KEY BOARD AND REMOTE RECEIVE	16	S-VIDEO IN
7 (CN10)	ATV DEBUGGING INTERFACE	17	VGA IN
8 (CN6)	YPbPr PORT	18	DC IN
9 (CN25)	YPbPr AUDIO		
10 (CN18)	SPEAKER		

INTERFACE DEFINITION

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

CN24 (6PIN/2.0) INVERTER INTERFACE

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

CN10(4PIN/2.0) DEBUGGING INTERFACE

NO	SYMBOL	DESCRIPTION
1	5V	+5V Power supply
2	TXD	TXD signal
3	RXD	RXD signal



4	GND	Ground
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CN18(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

CN15(13PIN/2.0) KEY BOARD AND REMOTE RECEIVE

NO	SYMBOL	DESCRIPTION
1	CH-	
2	SELECT/CH+	CH+ Key
3	MENU	MENU Key
4	AV_PC/AUTO	SOURCE Key
5	VOL-/LEFT	VOL- Key
6	VOL+/RIGHT	VOL+ Key
7	GND	Ground
8	GRD	Green indicator
9	RED	Red indicator
10	ON/OFF	ON/OFF key
11	GND	Ground
12	IR	Remote receiver
13	IR_VCC	+5V DC power supply

CN6(6PIN/2.0) YPpPr (External HD)(OPTIONAL)

NO	SYMBOL	DESCRIPTION
1	HDY	HD Y signal
2	GND	Ground
3	HDPb	HD Pb signal
4	GND	Ground
5	HDPr	HD Pr signal
6	GND	Ground

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

NO	SYMBOL	DESCRIPTION
1	LCDPWR	Power for panel
2	LCDPWR	Power for panel
3	LCDPWR	Power for panel
4	GND	Ground
5	GND	Ground
6	GND	Ground



7	ATX0-	LVDS 0DD 0- Signal
8	ATX0+	LVDS 0DD 0+ Signal
9	ATX1-	LVDS 0DD 1- Signal
10	ATX1+	LVDS 0DD 1+ Signal
11	ATX2-	LVDS 0DD 2- Signal
12	ATX2+	LVDS 0DD 2+ Signal
13	GND	Ground
14	GND	Ground
15	ATCK-	LVDS 0DD Clock- Signal
16	ATCK+	LVDS 0DD Clock+ Signal
17	ATX3-	LVDS 0DD 3- Signal
18	ATX3+	LVDS 0DD 3+ Signal
19	BTX0-	LVDS EVEN 0- Signal
20	BTX0+	LVDS EVEN 0+ Signal
21	BTX1-	LVDS EVEN 1- Signal
22	BTX1+	LVDS EVEN 1+ Signal
23	BTX2-	LVDS EVEN 2- Signal
24	BTX2+	LVDS EVEN 2+ Signal
25	GND	Ground
26	GND	Ground
27	BTCK-	LVDS EVEN Clock- Signal
28	BTCK+	LVDS EVEN Clock+ Signal
29	BTX3-	LVDS EVEN 3- Signal
30	BTX3+	LVDS EVEN 3+ Signal

CN25(3PIN/2.0) YPbPr AUDIO

NO	SYMBOL	DESCRIPTION
1	HDAUD_R	AUDIO RIGHT
2	GND	Ground
3	HDAUD_L	AUDIO LEFT

CN23(13PIN/2.0) TV EXTERNAL CONNECTOR

NO	SYMBOL	DESCRIPTION
1	NC	NC
2	NC	NC
3	L_SW	Sound service patean choice
4	5V	Turn-on Delay time
5	SDA	TV DATA SIGNAL
6	SCL	TV CLOCK SIGNAL
7	GND	Ground
8	12V	+12V DC Power supply

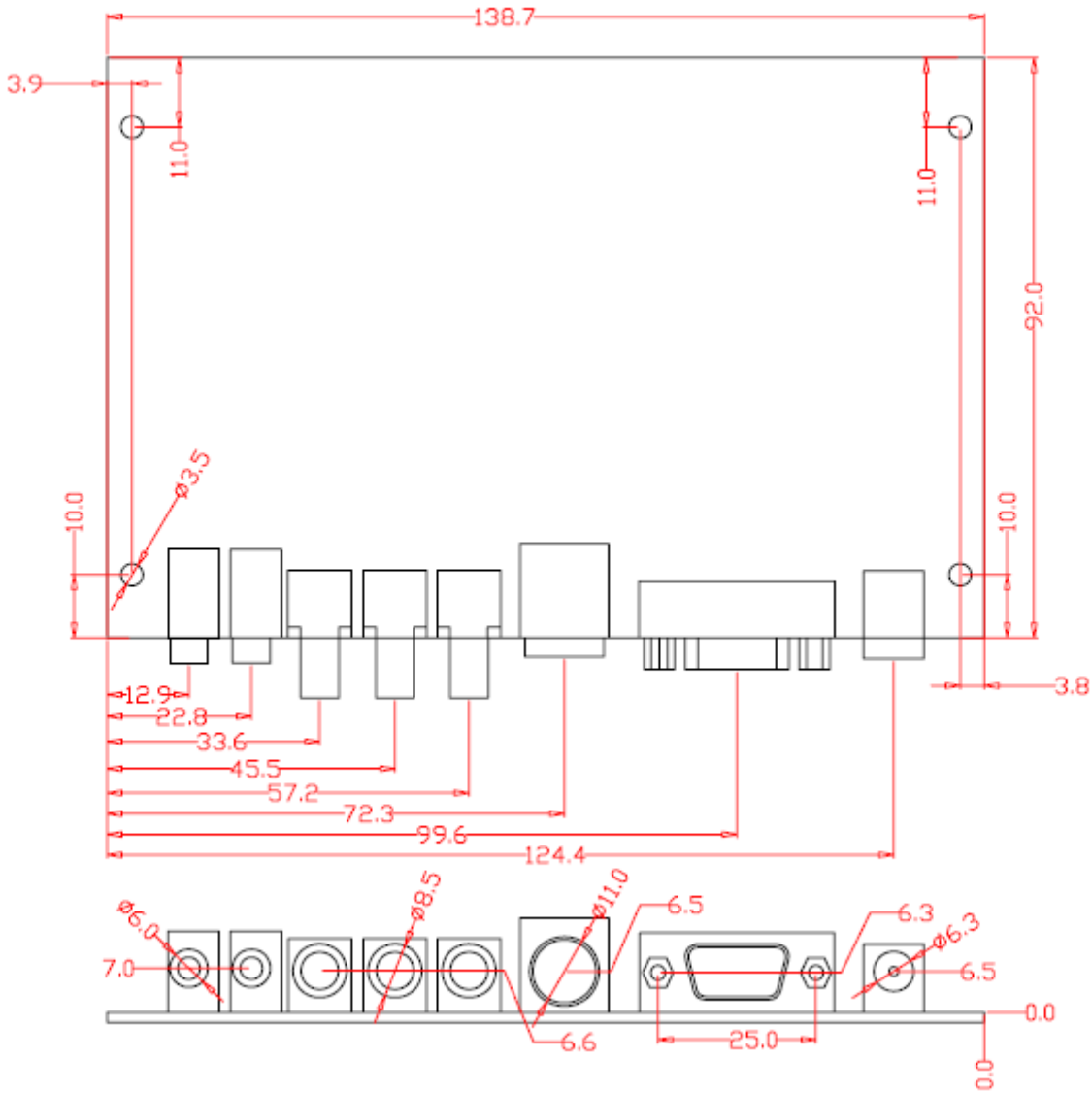


9	GND	Ground
10	CVBS	TV CVBS signal
11	GND	Ground
12	TVAUDL	TV AUDIO LEFT IN
13	TVAUDR	TV AUDIO RIGHT IN

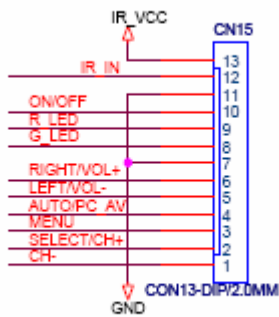
CN12(3PIN/2.0) REMOTE RECEIVER INTERFACE

NO	SYMBOL	DESCRIPTION
1	IR-IN	Remote receiver
2	GND	Ground
3	IR-VCC	+3.3V/5V DC power supply

4.CONTROLLER DIMENSIONS



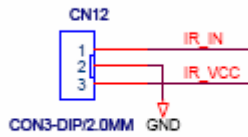
5. KEY BOARD SYSTEM SCHEMATIC



6. IR BOARD SYSTEM SCHEMATIC



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7. OPERATION REQUIREMENT

Do not pressed and distorted.
Keep away from static and water.
Relative humidity : $\leq 80\%$
Storage temperature: $-10\sim+60^{\circ}\text{C}$
Operation temperature: $0\sim+40^{\circ}\text{C}$