VS DISPLAY TECHNOLOGY (HK) LTD

SPECIFICATION FOR LCD MODULE

Model No.: VS-TY2660H-V1

ORGANIZED BY	CHECKED BY	APPROVED BY
RAJU PAU	JOHNSON	CRISTAL RAMY

COMPANY CONTACT:

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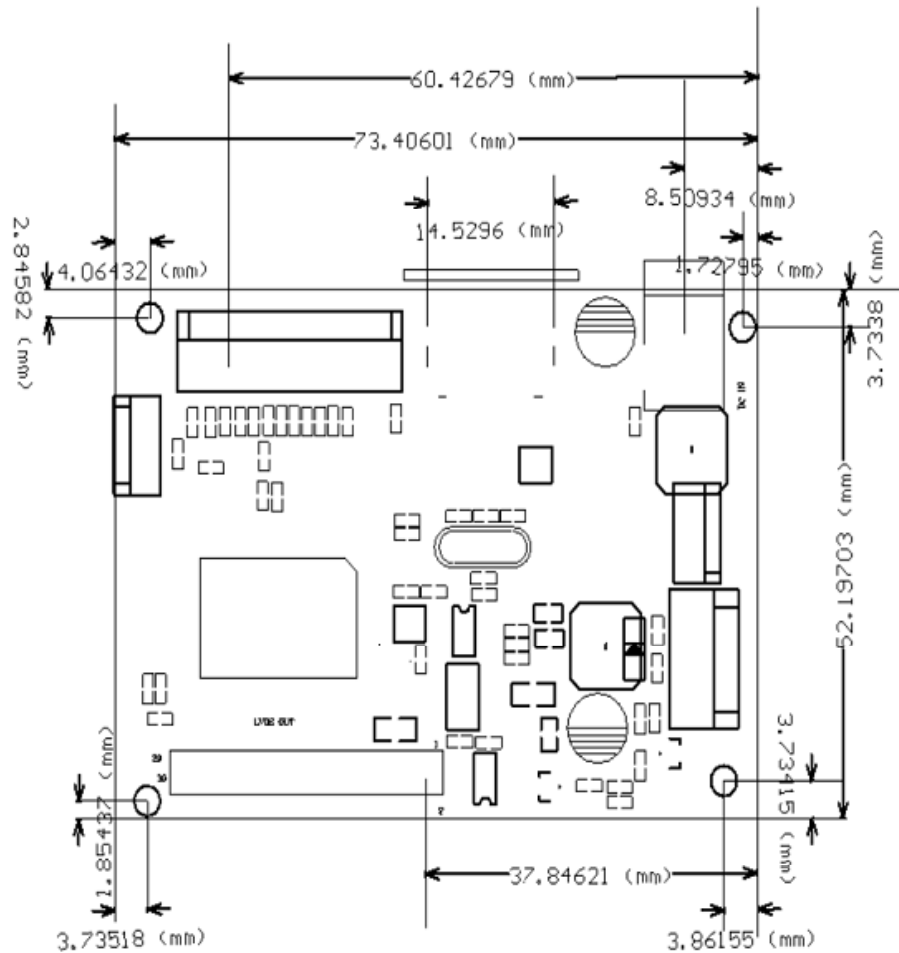# VS DISPLAY TECHNOLOGY (HK) LTD

1. GENERAL DESCRIPTION

VS-TY2660H-V1 is a LCD control board, it supports between 7 and 17inch LCD panel with single /dual LVDS interface.
And the resolution is up to 1440x900. This board support HDMI as input.

2. FEATURES

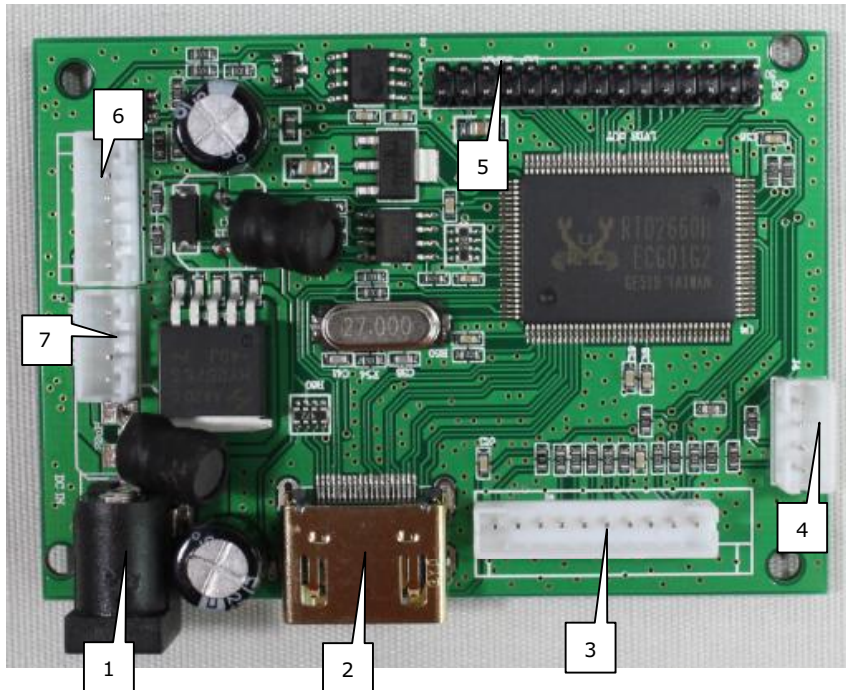| CHIPSET	RTD2662	
OSD LANGUAGE	Simplified Chinese, Traditional Chinese, English, French, German, Italian, Spanish, Japanese, Korean	
PANEL	Interface	6Bit 8it Dual/Single LVDS interface
	Resolution	Up to 1440x900
VIDEO INPUT	Interface	HDMI1.2
	H-Frequency	30~80KHz
	V-Frequency	65~85Hz
POWER	Requirement	12V
	To Panel	3.3V
	Management	Low power consumption mode; standby< 1W
KEY FUNCTION	Auto, Menu, Vol-, Vol+, Power	

3. PCB DIMENSION

The height of the control board is 12.0mm.

4. FUNCTION LAYOUT

TOP VIEW OF LCD CONTROL BOARD

INTERFACE FUNCTION DESCRIPTION

NO.	DESCRIPTION	NO.	DESCRIPTION
1	Power Supply	2	HDMI
3	KeyBoard	4	Refresh firmware
5	30P LVDS interface	6	Inverter
7	Power Supply		

5. INTERFACE DEFINITION

1/7 : POWER SUPPLY INPUT CONNECTOR

NO.	SYMBOL	DESCRIPTION
1	5V/12V	12V
2	5V/12V	12V
3	GND	Ground
4	GND	Ground

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3 : KEY BOARD & LED Indicator CONNECTOR

NO.	SYMBOL	DESCRIPTION
1	K0	Key 0
2	R	Led-Red
3	G	Led-Green
4	GND	Ground
5	K1	Key 1
6	K2	Key 2
7	K3	Key 3
8	K4	Key 4
9	K5	Key 5
10	K6	Key 6
11	IR	IR
12	VCC	VCC for IR

4 : Refresh firmware connector

NO.	SYMBOL	DESCRIPTION
1	SDA	
2	SCL	
3	GND	Ground
4	GND	Ground

5 : LVDS PANEL CONNECTOR

NO.	SYMBOL	DESCRIPTION
1	VSEL	Power Supply for Panel
2	VSEL	
3	VSEL	
4	GND	Ground
5	GND	
6	GND	
7	RXO0-	LVDS ODD 0- Signal
8	RXO0+	LVDS ODD 0+ Signal
9	RXO1-	LVDS ODD 1- Signal
10	RXO1+	LVDS ODD 1+ Signal
11	RXO2-	LVDS ODD 2- Signal
12	RXO2+	LVDS ODD 2+ Signal
13	GND	Ground
14	GND	
15	RXOC-	LVDS ODD Clock- Signal
16	RXOC+	LVDS ODD Clock+ Signal
17	RXO3-	LVDS ODD 3- Signal
18	RXO3+	LVDS ODD 3+ Signal
19	RXE0-	LVDS EVEN 0- Signal
20	RXE0+	LVDS EVEN 0+ Signal
21	RXE1-	LVDS EVEN 1- Signal
22	RXE1+	LVDS EVEN 1+ Signal
23	RXE2-	LVDS EVEN 2- Signal
24	RXE2+	LVDS EVEN 2+ Signal
25	GND	Ground
26	GND	
27	RXEC-	LVDS EVEN Clock- Signal
28	RXEC+	LVDS EVEN Clock+ Signal
29	RXE3-	LVDS EVEN 3- Signal
30	RXE3+	LVDS EVEN 3+ Signal

6 :Inverter Board CONNECTOR

NO.	SYMBOL	DESCRIPTION
1	+12V	+12V DC Power Supply
2	+12V	+12V DC Power Supply
3	BL_ON	Back-light ON/OFF control
4	NC	
5	GND	Ground
6	GND	Ground

6. CONFIGURATION & GENERAL PRECAUTIONS

- **Relative humidity: ≤ 80%.**
- **Storage temperature: -10~+60 °C.**
- **Operation temperature: 0~+40 °C.**
- **Protect the control board from static; it may cause damage to the IC.**
- **Disconnect the TV before the power supply of panel is connected correctly.**
- **Do not drop any metal on the control board when it is working.**
- **Do not push or pull the connector when the control board is working.**
- **Do not disassemble the module.**
- **If the surface or the control board is dirty, clean it with soft dry cloth.**
- **Can't be pressed and distorted.**