VS DISPLAY TECHNOLOGY (HK) LTD

SPECIFICATION FOR LCD MODULE

Model No.: VS-TY50-V2

ORGANIZED BY	CHECKED BY	APPROVED BY
RAJU PAU	JOHNSON	CRISTAL RAMY

COMPANY CONTACT:

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VS DISPLAY TECHNOLOGY (HK) LTD

CONTENT

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1. Application

VS-TY50-V2 Driver Board is mainly designed for 50Pin LCD panel.HDMI 1.2 input and support 1080P. Power supply 5V USB port.

2. Product Function Description

2. 1 The input signal can be HDMI support version 1.2

2. 2 Power supply: +5V USB port

2. 3 Multi function OSD Operation

2. 4 It is widely use for Car Monitor, Visual Intercom, Video Phone, Monitoring Equipment.

3. Work Temp

3. 1 Work Temp 0~50℃

3. 2 Operation Humidity ： 90%RH

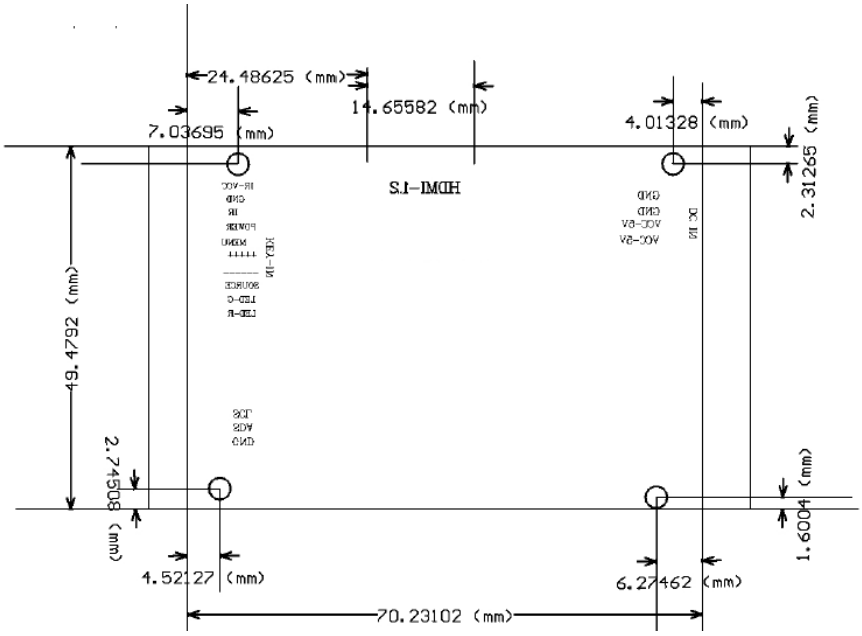
4. Storage Temp

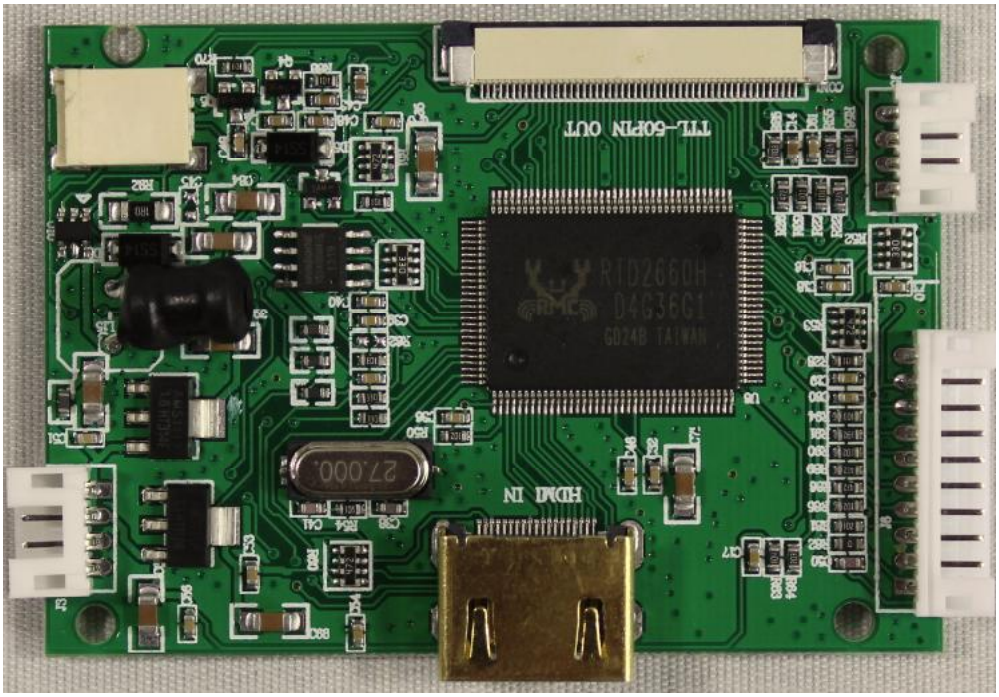
4. 1 Storage Temp 0~50℃

4. 2 Storage Humidity ： 90%RH

5.OUTLINE DIMENSION

70.2mmx49.5mmx8mm





7.PIN DEFINITION

J1 POWER SUPPLY

NO	DEFINITION	DESCRIPTION
1	+5V	Power Supply
2	+5V	Power Supply
3	GND	GROUND
4	GND	GROUND

SIGNAL INPUT

NO	DEFINITION	DESCRIPTION
1	HDMI	Version 1.2

J6 KEYPAD,REMOTE CONTROL INPUT CONNECT

NO	DEFINITION	DESCRIPTION
1	+5v	+5V
2	GND	GROUND
3	IR	REMOTE CONTROL INPUT
4	K1	ON/OFF
5	K2	OSD FUNCTION
6	K3	-
7	K4	+
8	K5	LED

LED INPUT/OUTPUT

NO	DEFINITION	DESCRIPTION
1	-	LED OUT
2	+	LED INPUT

J5 REFRESH FIRMWARE INTERFACE

NO	DEFINITION	DESCRIPTION
1	SCL	
2	SDA	
3	GND	GROUND
4	NC	

8. TESTING

TYPE	PROJECT	TEST CONDITIONS	TEST NO	STANDARD
Storage Temp Test	High Temp Test	+70℃ 96Hr	2	Regular after normal Temp Test
	Low Temp Test	−20℃ 96Hr	2	
Operate Temp Test	High Temp Test	+60℃ 96Hr	2	Normal operation during the test
	Low Temp Test	−10℃ 96Hr	2	
Cold Starting Test	Cold Starting Test	-20℃ →(40min) ON →(2hours) ON 4times →(4hours) ON 4times →(8hours) ON 1times	2	
Heat Cycle Test	Heat Cycle Test	-20℃ →(30min) 25℃ →(30min) 60℃ Continue working 30 cycles	2	
Constant temperature and humidity test		+60℃ 90%RH Continue working 24hours	2	