

PRODUCT SPECIFICATION

Product model : H2LVDS-TP-71NCH-V2.0

Product type : Multi-function LCD PC Monitor

Document NO: 20230717

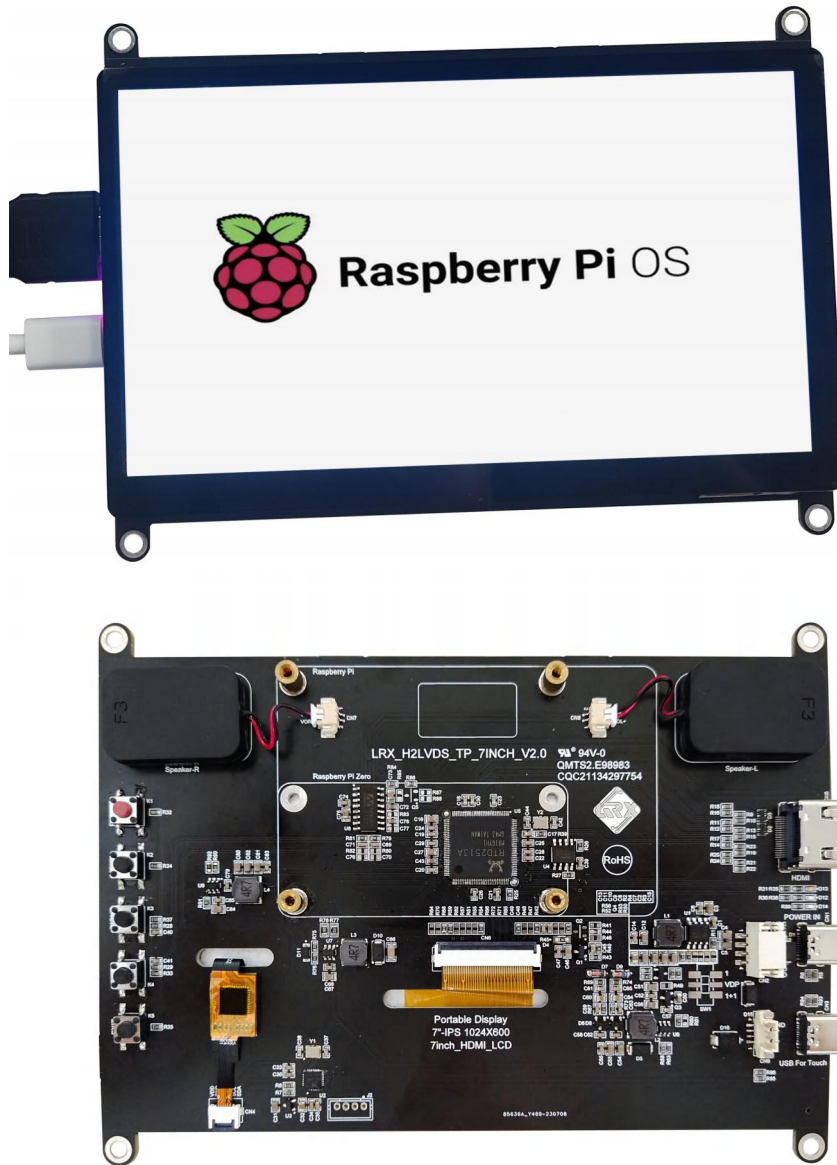
RECORD OF REVISIONS

REVISION NO	REVISION DATA	DRAWING	CHECKE	RATIFY
VER1.0	20230520	Sandy	Peter	Thanch
VER2.0	20230717	Sandy	Peter	Thanch

1.GENERAL DESCRIPTION

7inch_HDMI_LCD is a Multi-Purpose 7inch LCD Monitor.Supports HDMI input; Supports 2w speaker output;Supports 6pin iic capacitive touch panel.

2.FUNCTION LAYOUT



3.FEATURES

MAIN CHIPSET	RTD2513A	
OSD LANGUAGE	Chinese,English,French,Italian,German,Japanese,Korea	
VIDEO INPUT	HDMI	1024x600@60Hz
AUDIO OUTPUT	2x1.7W(8Ω) THD+N< 10%@1KHZ	
LUMINANCE	300 cd/m ²	
TOUCH	Interface	USB
	Touch Panel	Capacitive touch panel
POWER TO PANEL	3.3v	
POWER MANAGEMENT	Standby Power Consumption <0.2w(Board Only)	
KEY FUNCTIONS	MENU, UP, DOWN, EXIT, POWER	

4.INTERFACE DEFINITION

4.1 DC IN CONNECTOR CN1/CN2

NO		SYMBOL	DESCRIPTION
CN1	CN2		
A4,A9,B4,B9	1,2	5V	+5V DC POWER
A1,A12,B1,B12	3,4	GND	Ground
OTHER		NC	No connection

4.2 USB IN CONNECTOR CN3/CN9

NO		SYMBOL	DESCRIPTION
CN1	CN2		
A4,A9,B4,B9	1	5V	+5V DC POWER
A7,B7	2	D-	USB bus signal
A6,B6	3	D+	USB bus signal
A1,A12,B1,B12	4	GND	Ground
OTHER		NC	No connection

4.3 HDMI IN CONNECTOR CN5

NO	SYMBOL	DESCRIPTION
1-19	HDMI	HDMI standard interface

4.4 SPEAKER INTERFACE CN7,CN8

NO		SYMBOL	
CN7	CN8		

1	1	VOL+	VOR+	Positive audio channel out
2	2	VOL-	VOR-	Negative audio channel out

4.5 CAPACITIVE TOUCH SCREEN CONNECTOR CN4

NO CN4	SYMBOL	DESCRIPTION
1	VDD	3.3V power
2	GND	Ground
3	INT	Capacitive touch panel interrupt
4	RST	Capacitive touch panel reset
5	SCL	Capacitive touch panel SCL
6	SDA	Capacitive touch panel SDA

4.6 KEY

NO	SYMBOL	DESCRIPTION
K1	POWER	POWER KEY
K2	MENU	MENU KEY
K3	RIGHT	RIGHT KEY
K4	LEFT	LEFT KEY
K5	EXIT	EXIT KEY

4.7 LCD PANEL INTERFACE CN6

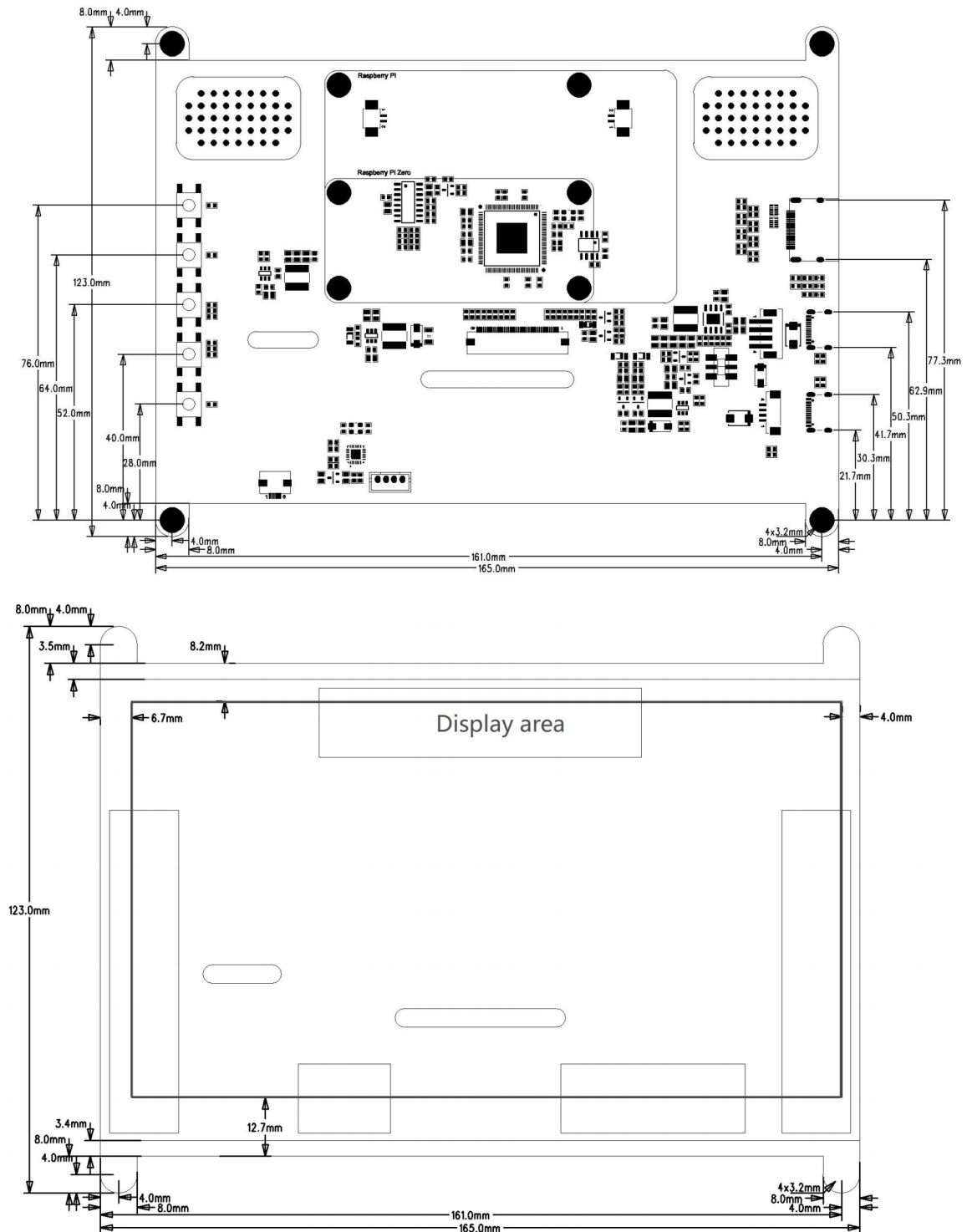
40P LVDS PANEL INTERFACE : J7				
NO.	SYMBOL	DESCRIPTION	REMARKS	
1	VCOM			
2	DVDD			
3	DVDD			
4	NC			
5	RESET			
6	MODE			
7	GND			
8	LVDS0-			
9	LVDS0+			
10	GND			
11	LVDS1-			

12	LVDS1+		
13	GND		
14	LVDS2-		
15	LVDS2+		
16	GND		
17	LVDS3-		
18	LVDS3+		
19	GND		
20	LVDS3-		
21	LVDS3+		
22	GND		
23	NC		
24	NC		
25	GND		
26	NC		
27	NC		
28	DITHB		
29	AVDD		
30	GND		
31	LED-		
32	LED-		
33	L/R		
34	U/D		
35	VGL		
36	NC		
37	NC		
38	VGH		
39	LED+		
40	LED+		

5.CONTROLLER DIMENSIONS

Unit : mm

Tolerance: $\pm 0.3\text{mm}$



6.OPERTION REQUIREMENT

6.1 .Do not pressed and distorted.

6.2. Keep away from static and water.

6.3. Temperature

Operating: -20°C to +70°C

Store: -30°C to +80°C

6.4. Humidity

Operating: 5% to 80% (non-condensing)

Store: 5% to 80% (non-condensing)