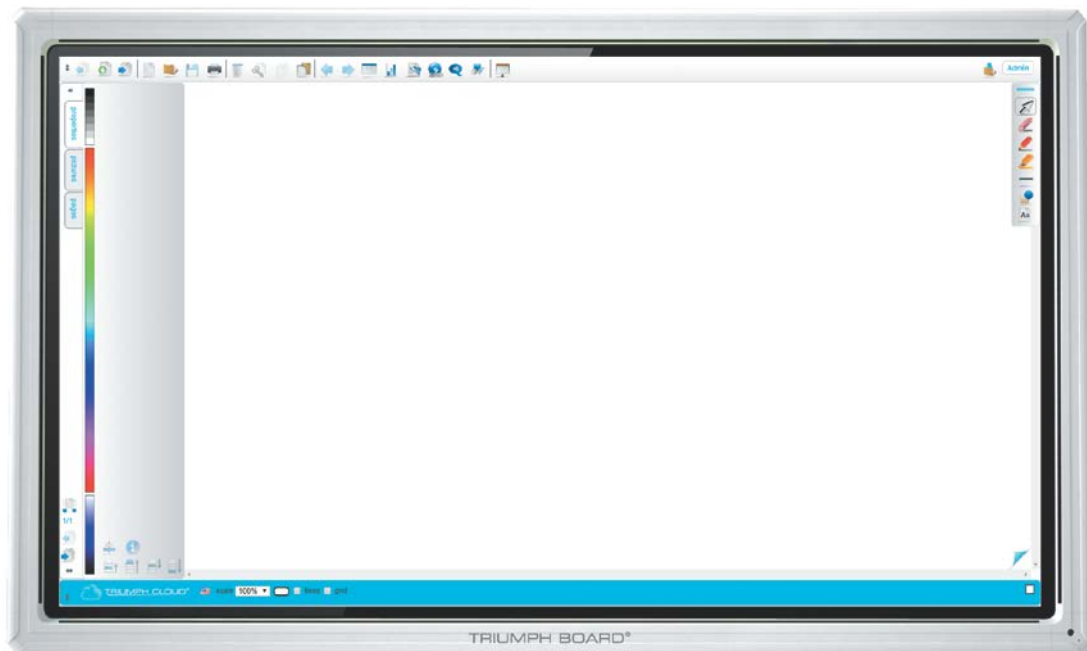


Service Manual

MULTI Touch LED LCD Android Series

55"/65"/65" 4K/70"/84" 4K



2016

TRIUMPH BOARD 55" MULTI Touch LED LCD

EAN: 8592580111891

TRIUMPH BOARD 65" MULTI Touch LED LCD

EAN: 8592580111907

TRIUMPH BOARD 65" MULTI Touch LED LCD 4K

EAN: 8592580112027

TRIUMPH BOARD 70" MULTI Touch LED LCD

EAN: 8592580111914

TRIUMPH BOARD 84" MULTI Touch LED LCD 4K

EAN: 8592580112140

CONTENTS

LCD Basic Specifications

Electrical Schematic Diagrams

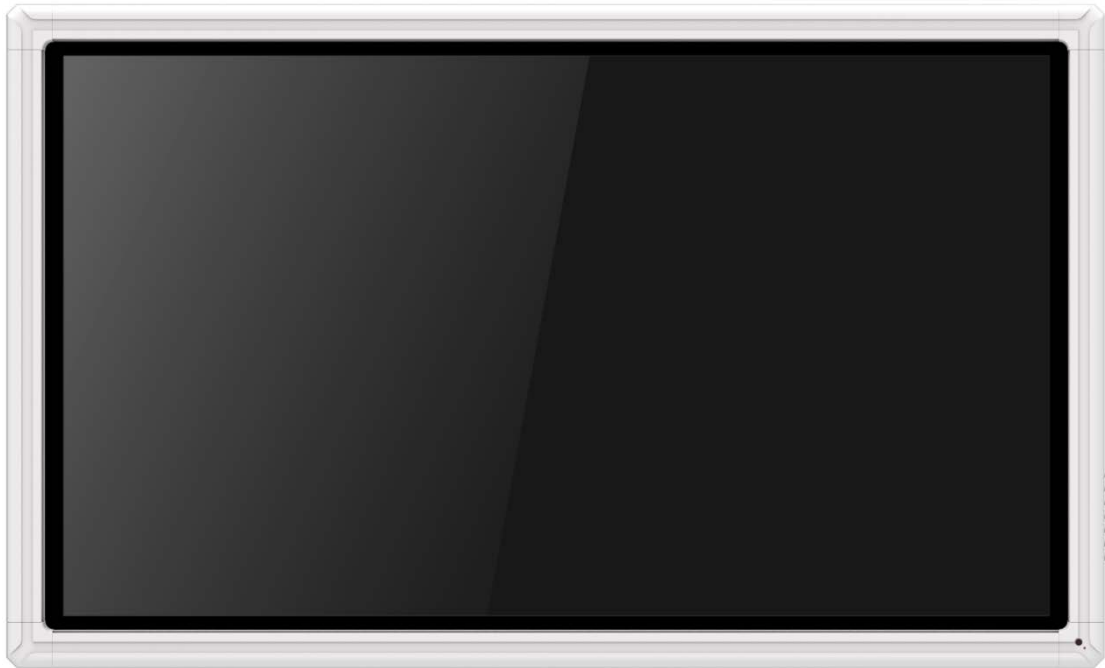
Main Key Spare Parts List

Disassembly Guide of Main parts of LCD

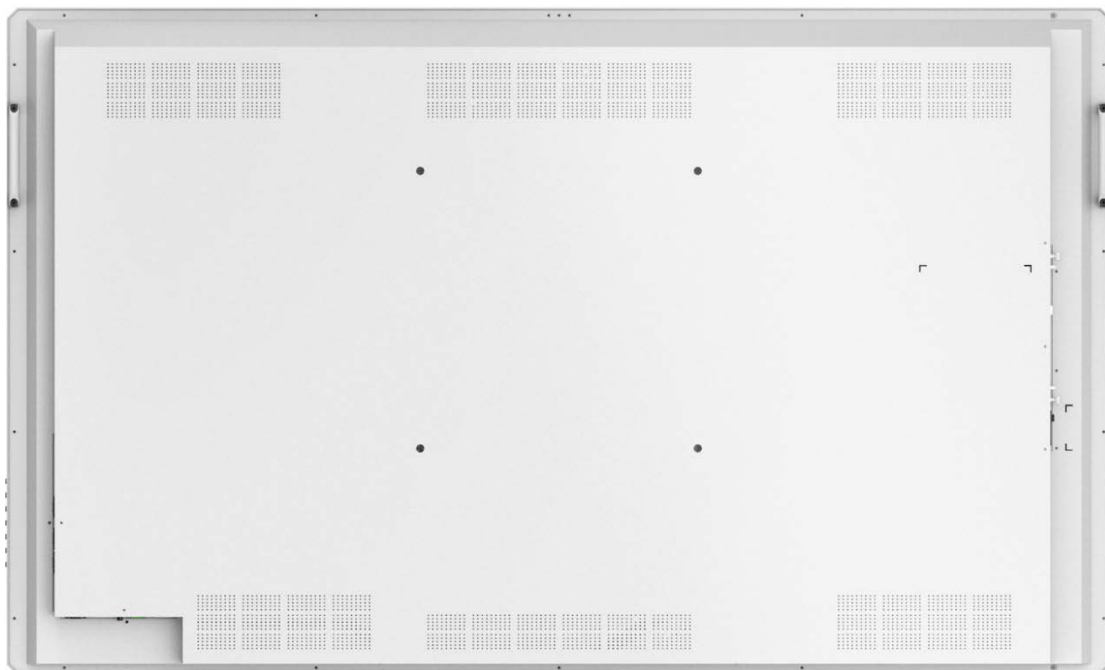
LCD Basic Specifications

I. LCD Appearance

Front view



Back view



LCD Side views

Right side



Left side



Mini PC Module



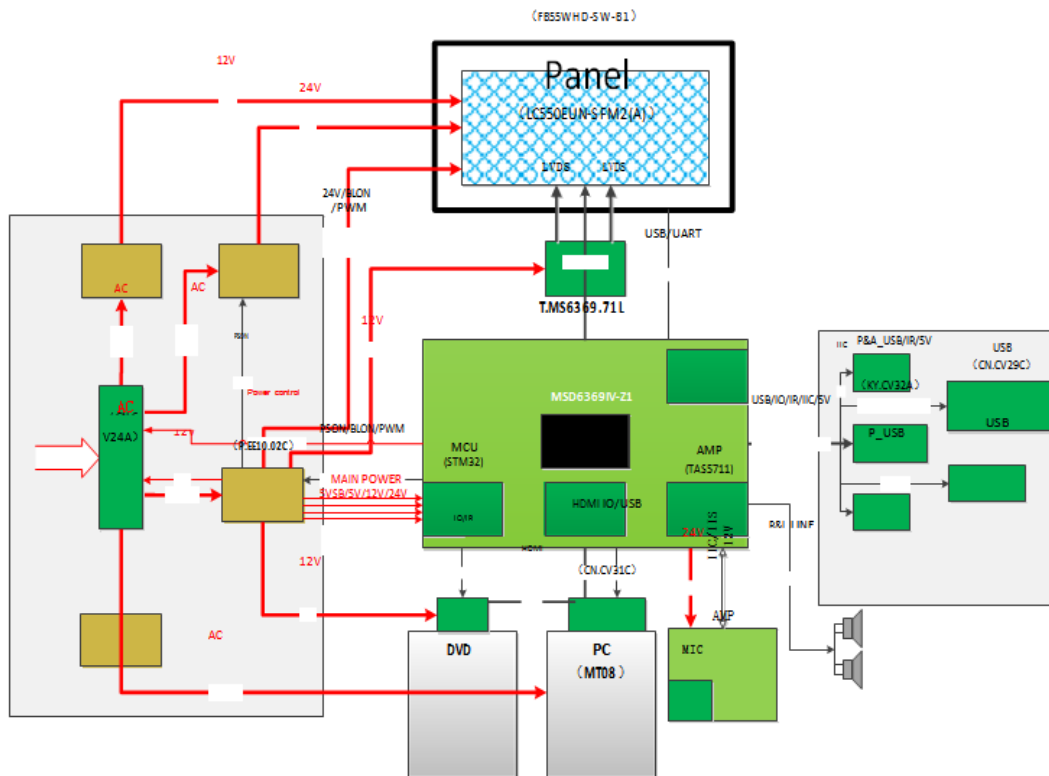
LCD
Input/Output
connectors



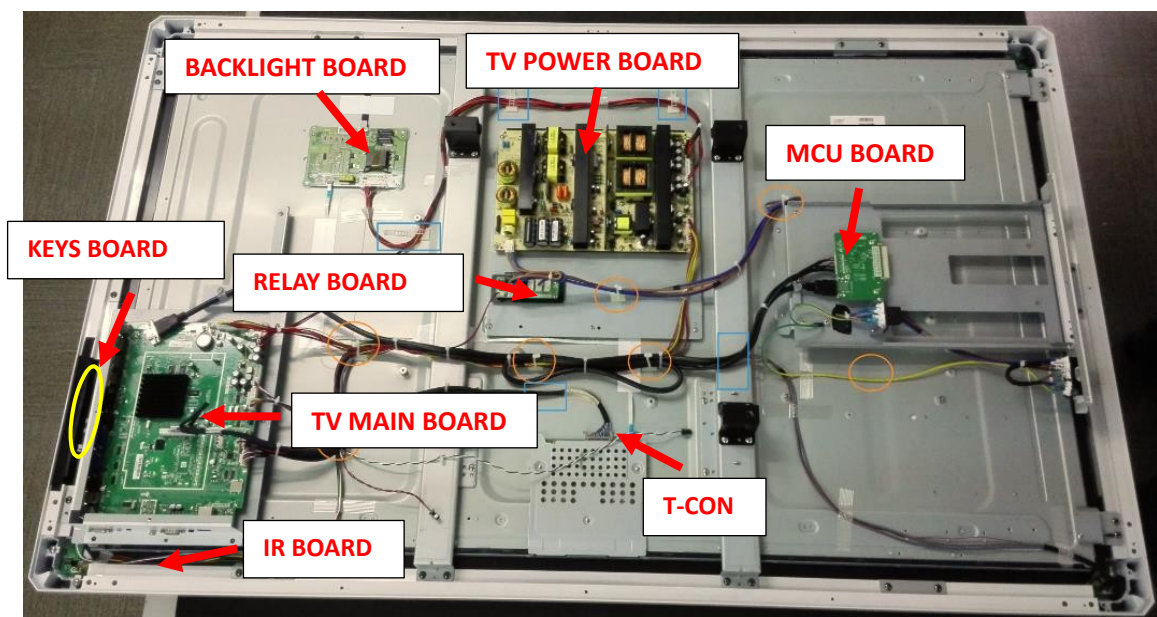
LCD Input/Output connectors
Bottom side

Electrical Schematic Diagrams

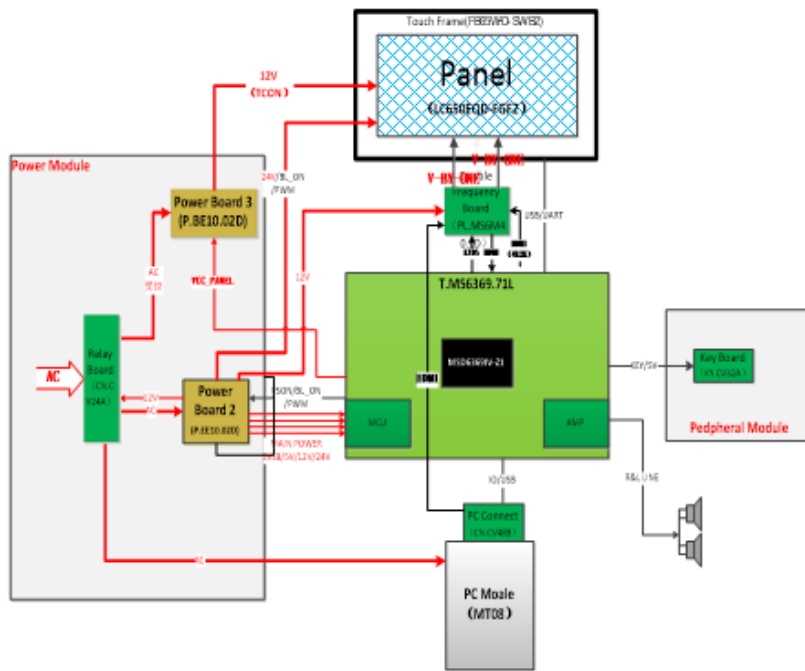
55" MULTI Touch LED LCD block diagram



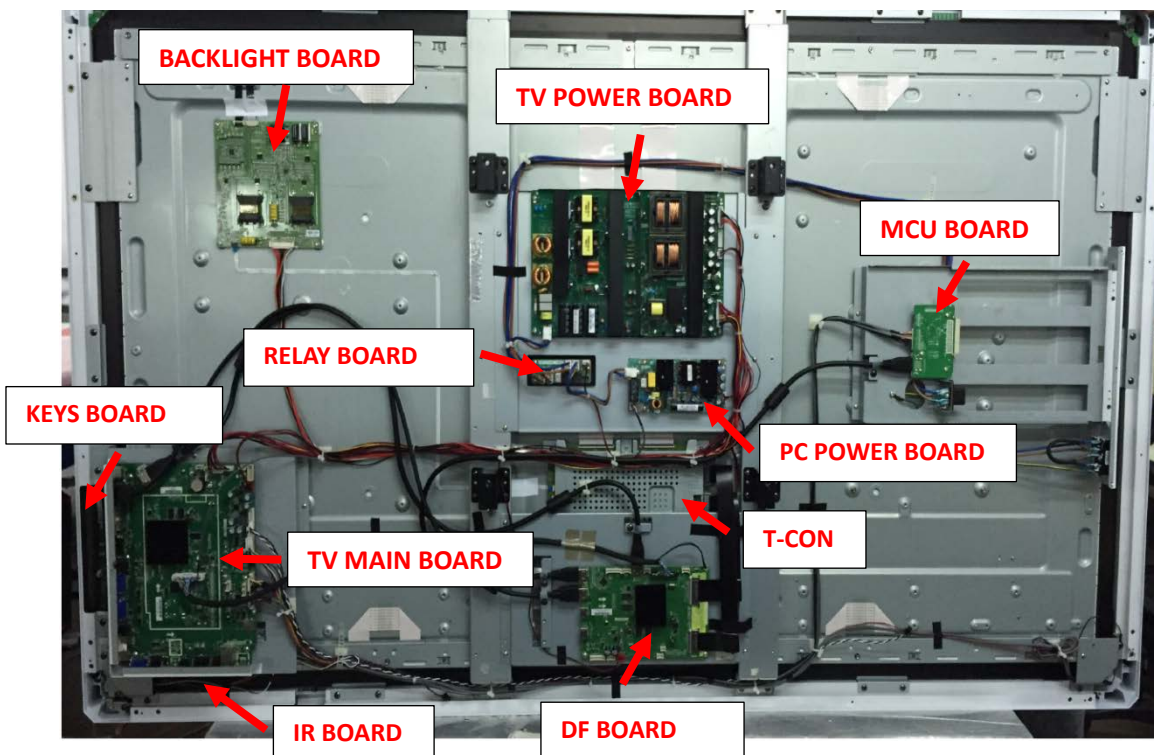
Inner layout of 55" LCD main electronic parts (inner view)



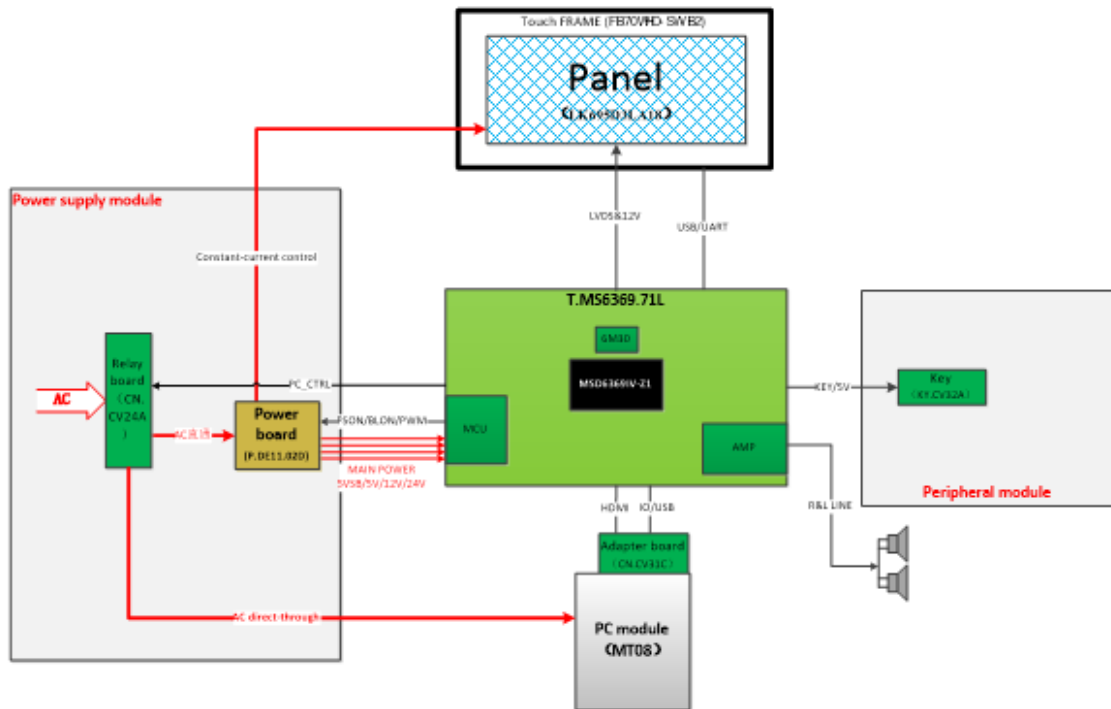
65" MULTI Touch LED LCD block diagram



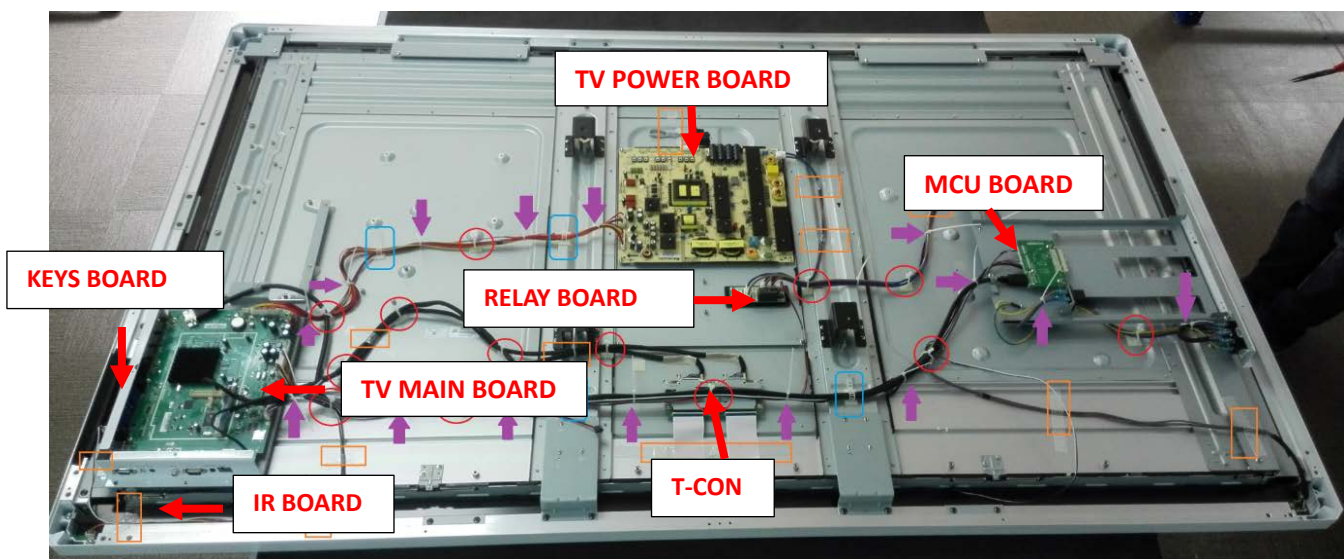
Inner layout of 65" LCD main electronic parts (inner view)



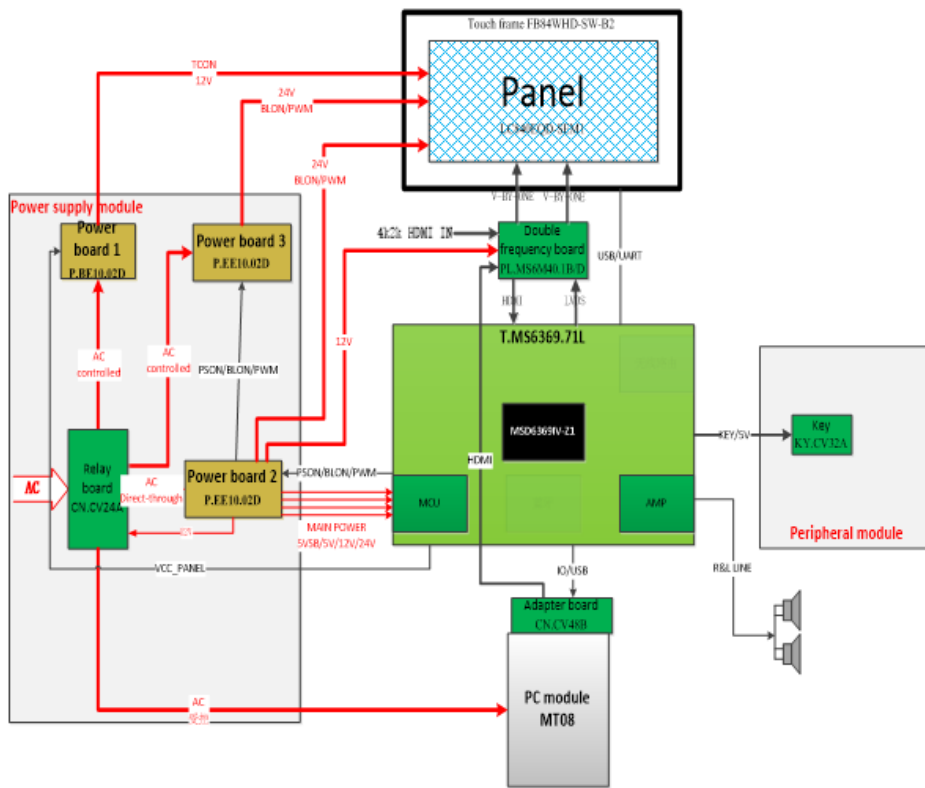
70" MULTI Touch LED LCD block diagram



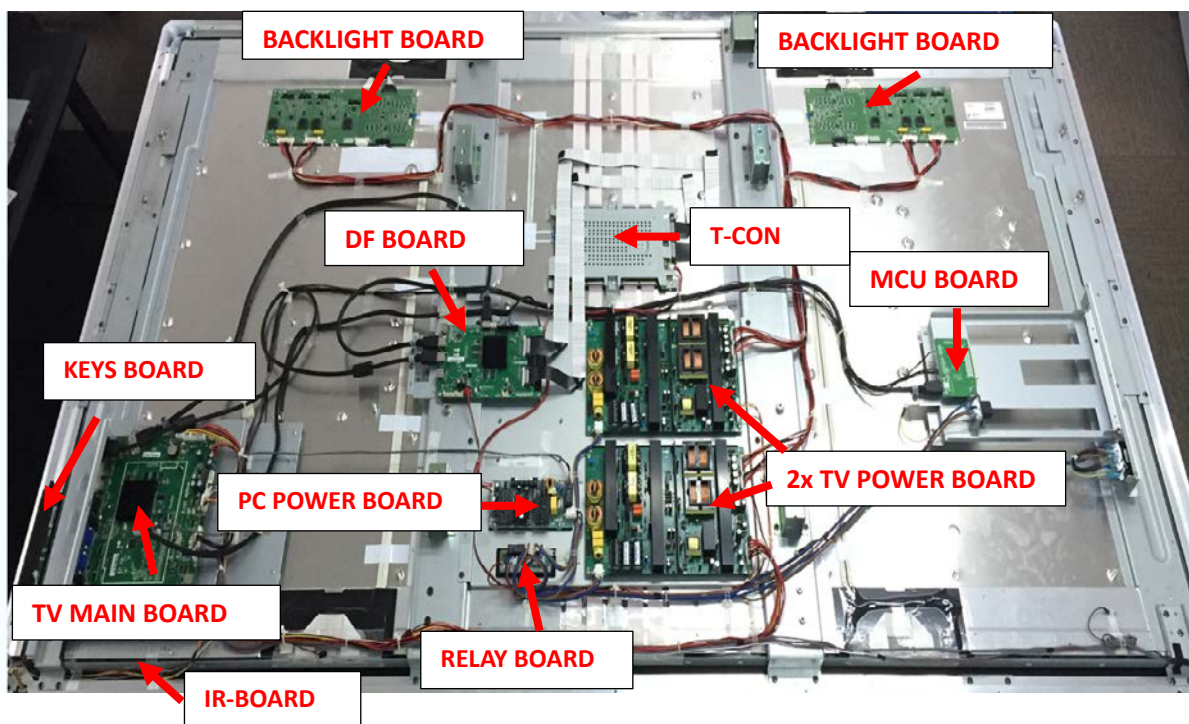
Inner layout of 70" LCD main electronic parts (inner view)



84" MULTI Touch LED LCD block diagram



Inner layout of 84" LCD main electronic parts (inner view)



Main Key spare parts list

55" MULTI Touch LED LCD

EAN	Spare part name
8592580112706	TV Main Board for 55" MULTI Touch LED LCD
8592580112713	TV Power Board for 55" MULTI Touch LED LCD
8592580112720	MCU Board for 55" MULTI Touch LED LCD
8592580112737	Left Speaker for 55" MULTI Touch LED LCD
8592580112744	Right Speaker for 55" MULTI Touch LED LCD
8592580112751	LVDS Cable for 55" MULTI Touch LED LCD
8592580112768	HDMI Cable for 55" MULTI Touch LED LCD
8592580112775	Touch Cable for 55" MULTI Touch LED LCD
8592580113031	Touch Frame for 55" MULTI Touch LED LCD

65" MULTI Touch LED LCD

8592580112782	Left Speaker for 65" MULTI Touch LED LCD
8592580112799	Right Speaker for 65" MULTI Touch LED LCD
8592580112805	TV Main Board for 65" MULTI Touch LED LCD
8592580112812	TV Power Board for 65" MULTI Touch LED LCD
8592580112829	MCU Board for 65" MULTI Touch LED LCD
8592580112836	LVDS Cable for 65" MULTI Touch LED LCD
8592580112843	HDMI Cable for 65" MULTI Touch LED LCD
8592580112850	Touch Cable for 65" MULTI Touch LED LCD
8592580112867	TV Main Board for 65" MULTI Touch LED LCD
8592580112874	PC Power Board for 65" MULTI Touch LED LCD
8592580112881	Double frequency board 65" MULTI Touch LED LCD
8592580112898	LVDS Cable for 65" MULTI Touch LED LCD
8592580112904	HDMI Extension Cable for 65" MULTI Touch LED LCD
8592580112911	HDMI Cable for 65" MULTI Touch LED LCD
8592580112928	Touch Frame for 65" MULTI Touch LED LCD

70" MULTI Touch LED LCD

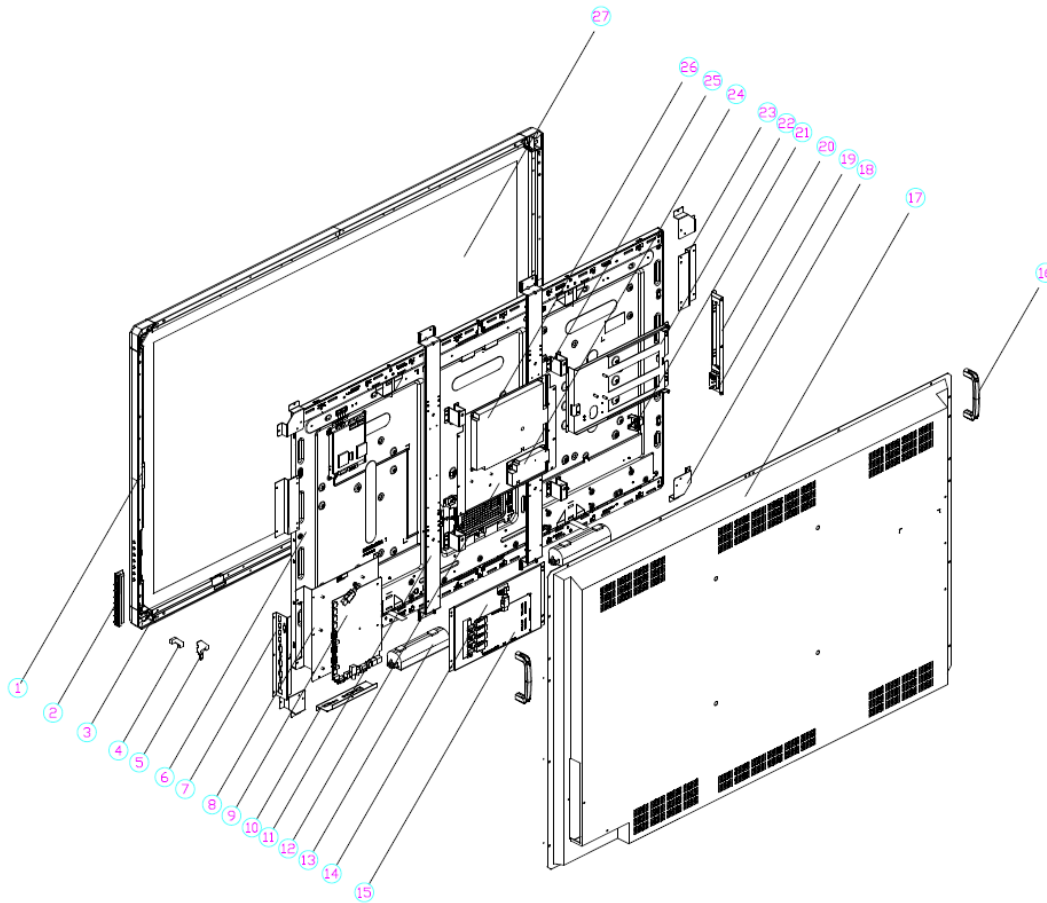
8592580112935	Left Speaker for 70" MULTI Touch LED LCD
8592580112942	Right Speaker for 70" MULTI Touch LED LCD
8592580112959	TV Main Board for 70" MULTI Touch LED LCD
8592580112966	TV Power Board for 70" MULTI Touch LED LCD
8592580112973	LVDS Cable for 70" MULTI Touch LED LCD
8592580112980	LVDS Cable for 70" MULTI Touch LED LCD
8592580112997	Touch Cable for 70" MULTI Touch LED LCD
8592580113000	Touch Cable for 70" MULTI Touch LED LCD
8592580113017	Touch Frame for 70" MULTI Touch LED LCD
8592580113024	Touch Frame for 70" MULTI Touch LED LCD

84" MULTI Touch LED LCD

8592580113048	Left Speaker for 84" MULTI Touch LED LCD
8592580113055	Right Speaker for 84" MULTI Touch LED LCD
8592580113062	Key Board for 84" MULTI Touch LED LCD
8592580113079	MCU Board for 84" MULTI Touch LED LCD
8592580113086	TV Power Board for 84" MULTI Touch LED LCD
8592580113093	LVDS Cable for 84" MULTI Touch LED LCD
8592580113109	LVDS Cable for 84" MULTI Touch LED LCD
8592580113116	Key&IR Cable for 84" MULTI Touch LED LCD
8592580113123	HDMI Cable for 84" MULTI Touch LED LCD
8592580113130	TV Main Board for 84" MULTI Touch LED LCD
8592580113147	MCU Board for 84" MULTI Touch LED LCD
8592580113154	Touch Cable for 84" MULTI Touch LED LCD
8592580113161	HDMI Cable for 84" MULTI Touch LED LCD
8592580113178	HDMI Cable for 84" MULTI Touch LED LCD

Disassembly guide




I. Exploded View



NO.	Parts Name	Quantity	NO.	Parts Name	Quantity	NO.	Parts Name	Quantity
1	Glass pressing block	6	11	Bracing sheet	2	21	AC assembly	1
2	Key assembly	1	12	Power board mounting bracket	1	22	PC mounting bracket	1
3	Frame assembly	1	13	Speaker	2	23	Panel pressing block 2	2
4	Shielding foam	1	14	Double frequency board mounting bracket	1	24	PC power board	1
5	Foam support	1	15	Double frequency board	1	25	Wall bracket	4

6	Panel	1	16	Handle	2	26	TV power board	1
7	Side terminal bracket	1	17	Rear shell	1	27	Glass	1
8	TV mounting bracket	1	18	Panel pressing block 1 1	4	28		
9	TV main board	1	19	3-in-1 AC socket	1	29		
10	Bottom terminal bracket	1	20	PC terminal bracket	1	30		

I. Screw fastening torque reference table

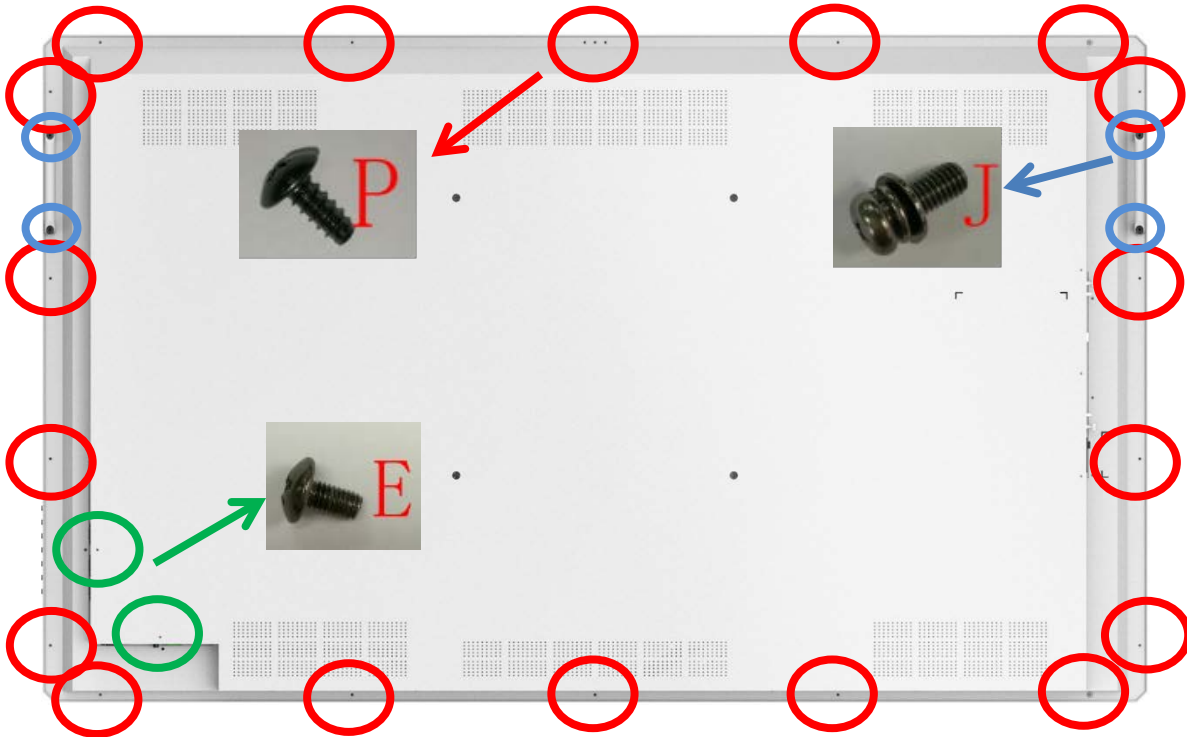
Torque requirement			
Screw Specification (mm)	Tightening Torque		
	N.M	(kgf.cm)	
M3x4~M3x8	0.5-0.7	5-7	
M4x8~M4x12	0.7-1.0	7-10	
M5	1.2-1.5	12-15	
Tool to Use			
ITEM	Screw Image	NAME	Specification
A		Phillips Countersunk Head Screw	KM3x8mm-Black Nickel plated
B		Phillips Countersunk Head Screw	KM3x3.8mm(φ4.6)-Black Nickel plated

C		Phillips Countersunk Head Screw	KM3×5mm-Black Nickel plated
D		Phillips Truss Head Screw	TM3×6mm-Nickel plated
E		Phillips Truss Head Screw	TM3×6mm-Black Nickel plated
F		Phillips Truss Head Screw	TM3×3mm-Black Nickel plated
G		Phillips Truss Head Screw	TM3×4mm-Black Nickel plated
H		Phillips Truss Head Screw	TM4×8mm-Black Nickel plated
I		Phillips Pan Head Screw	PM4×8mm-with external tooth washer - Nickel plated
J		Phillips Pan Head Screw	PM5×16mm-with external tooth washer - Black Nickel Plated
K		Phillips Pan Head Screw	PM5×6mm-Black oxidized
L		Phillips Pan Head Screw With Washer	PWM4.0×6mm-Nickel Plated

M	 M	Phillips Flat Head Screw	CM3×6mm-Nickel Plated
N	 N	Phillips Flat Head Screw	CM4×20mm-Black Nickel Plated
O	 O	Phillips Countersunk Head Tapping Screw	KA3×10mm-Black Nickel Plated
P	 P	Phillips Truss Head Tapping Screw	TB4×10mm-Black Nickel plated
R	 R	Phillips Flat Head Screw (Non-standard)	CM3×4mm-Nickel Plated (Non-standard)
S	 S	Hand screw (Non-standard)	M3×11mm(L=28)-Black Nickel Plated
T	 T	Hand screw (Non-standard)	M3×7.5mm(L=21.5)-Black Nickel Plated
U	 U	Nut	M3×5.3mm-Nickel Plated

Removing the back cover of LCD

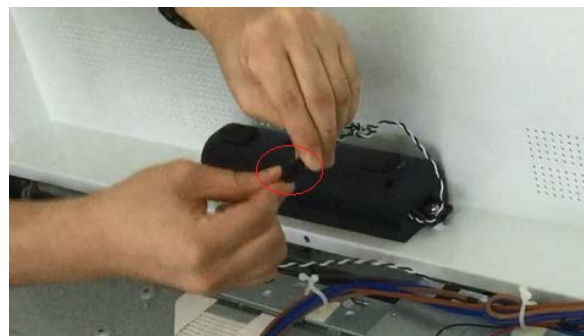
1. Unscrew all screws along the four sides of LCD



2. Carefully lift the back cover of LCD



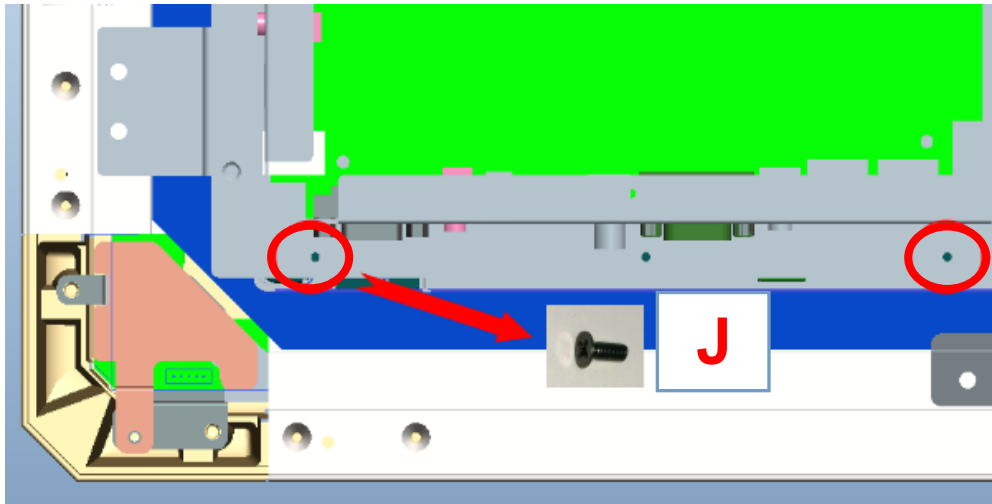
3. Disconnect L+R speaker cables and remove the back cover of LCD



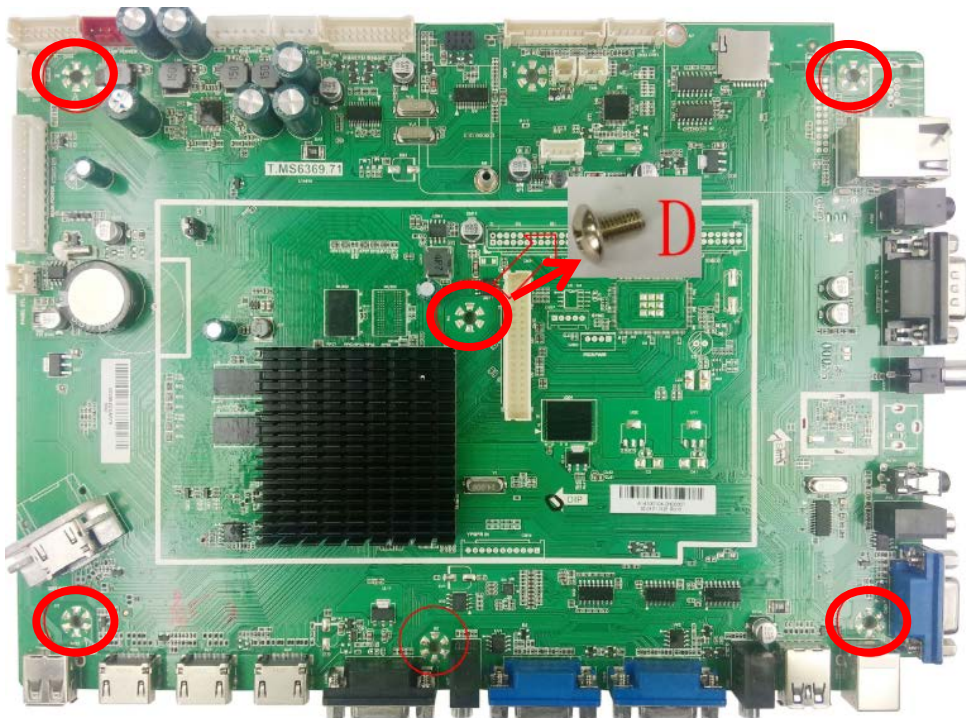
Circuit Boards Disassemble

1. Screw Location

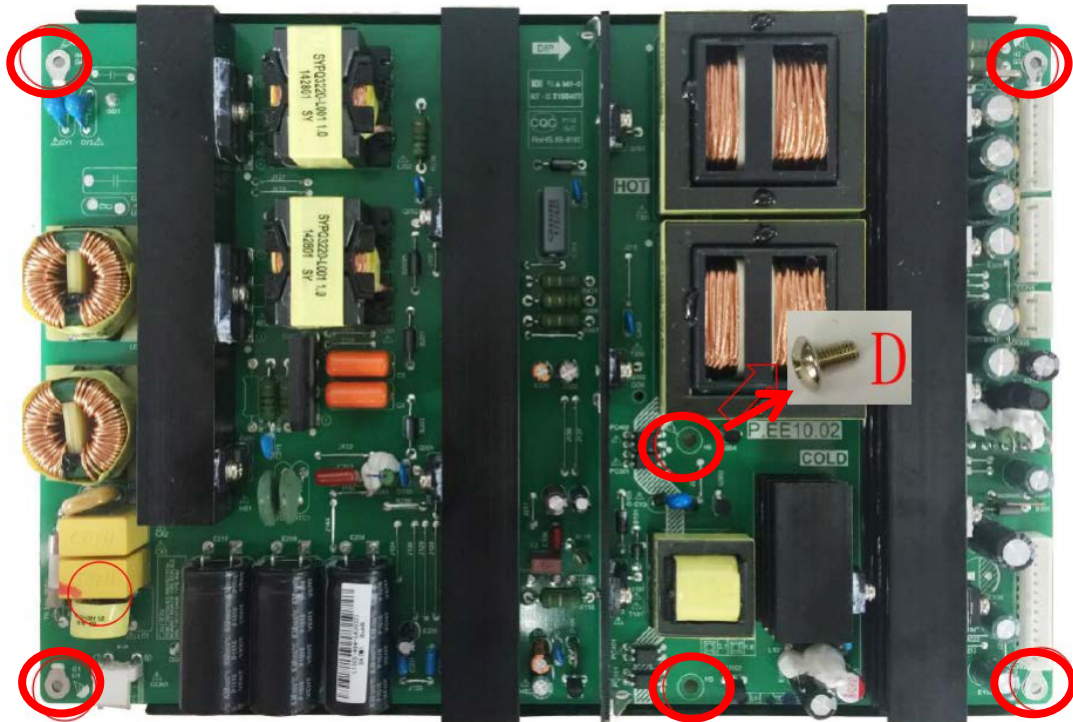
TV Main Board



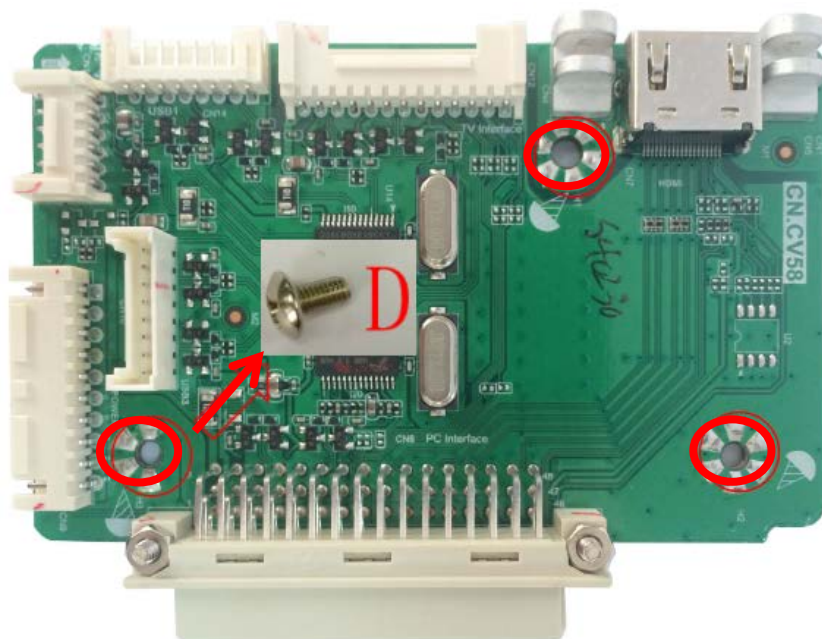
STEP 2 Remove the board screws



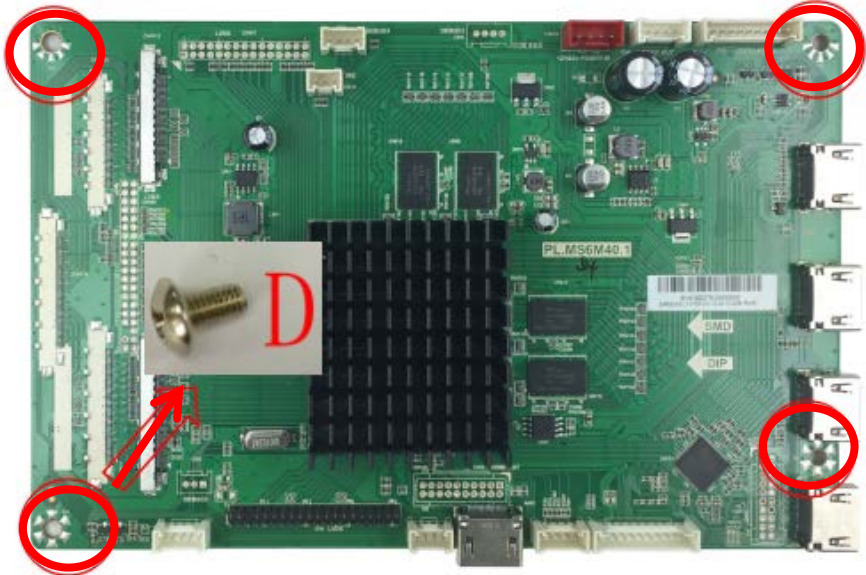
TV Power Board



MCU Board



Double frequency Board



PC Power Board



Relay Board



Key Board

No screws

- **To replace any circuit boards inside the screen, you need to remove first the back cover, and all cables connected to boards.**
 - **To mainboard, the lower terminal holder and the side terminal holder, of which the screws location is showed above, should be screwed out before the replacement. Remove the power before performing replacement, so as to prevent any short circuit resulting from contact of wires.**
- ⚠ Please note whether the ports of the cables are properly connected in order to prevent the component from being burnt due to inserting in the wrong ports.**

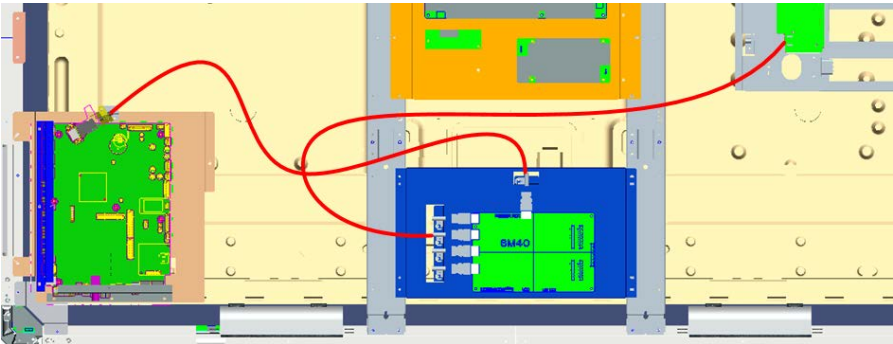
Internal cables

1. Overview of cable connection

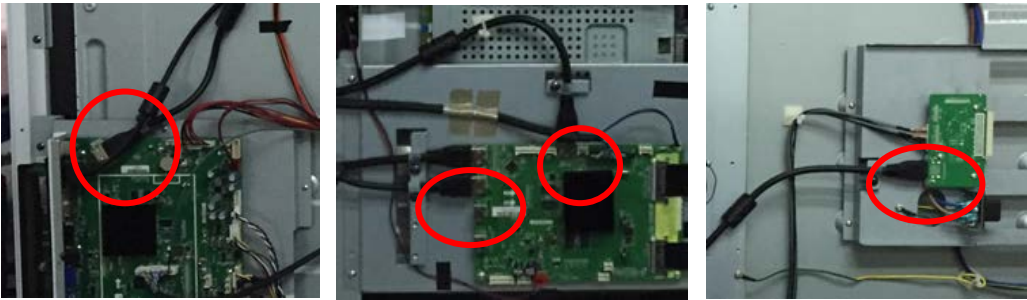
Part Name	Cable Connection Guide
1. HDMI cable	PC signal adapter board CN7 to 6M40 board AW2; 6M40 board AW5 to TV main board AV4
2. Touch cable	TV main board CN33 to touch frame
3. LVDS cable	TV main board CN12 to TCON board
4. FFC cable	6M40 board CNW10/CNW13 to TCON board
5. Speaker cable	TV main board CN2 to speaker
6. Panel power cable	Power board to TCON board
7. Key remote control cable	KEY: TV main board CN9 to key board; IR & indicator light: TV main board CN9 to remote control board
8. PC signal cable	PC signal adapter board CN12 to TV main board CN32
9. Main power cable for speakers amplifier	TV main board CN12 to TV power board
10. Power cable for the main board	TV main board CN4 to TV power board
11. INVERTER cable	TV power board to panel backlight board
12. HDMI extension cable	6M40 board AW3 to external 4K HDMI terminal

1. HDMI cable

Schematic

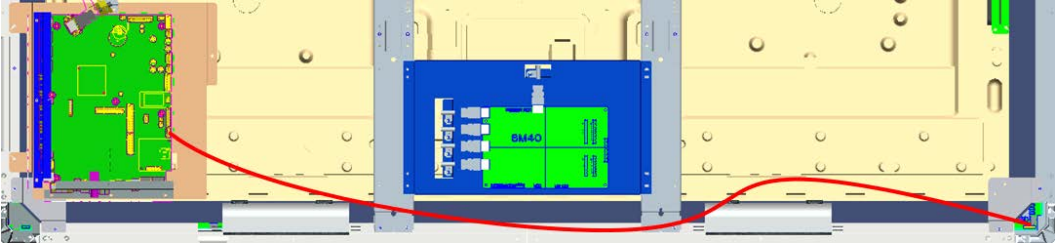


Physical

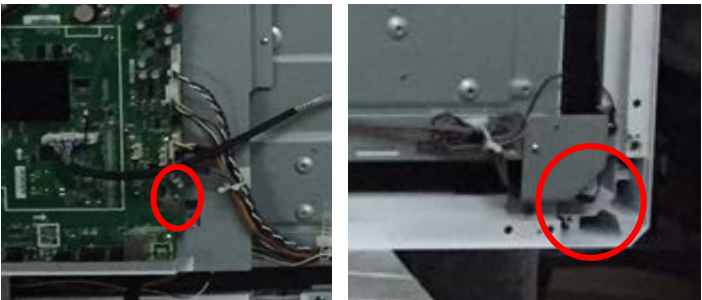


2. Touch cable

Schematic

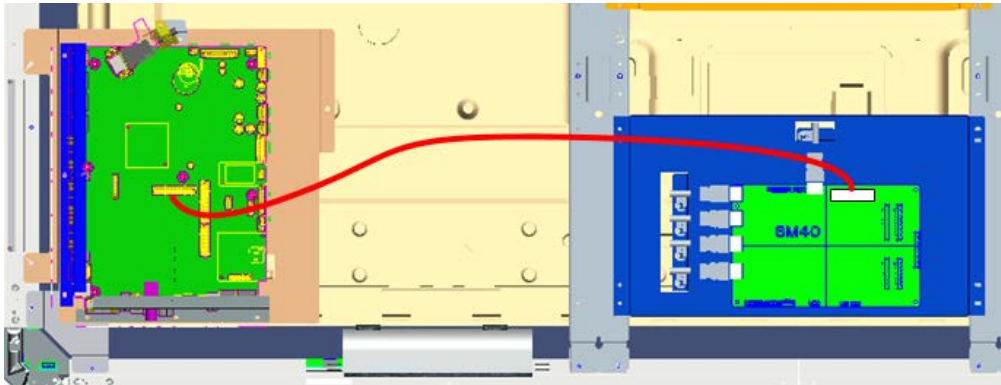


Physical

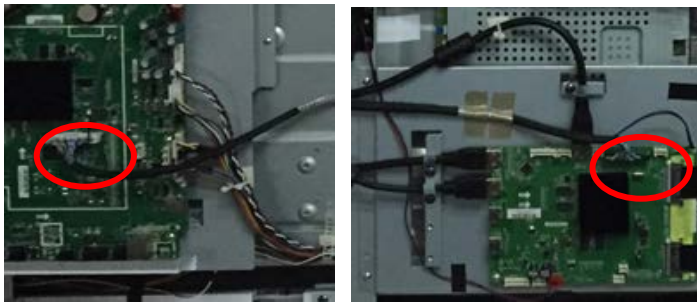


3. LVDS cable

Schematic

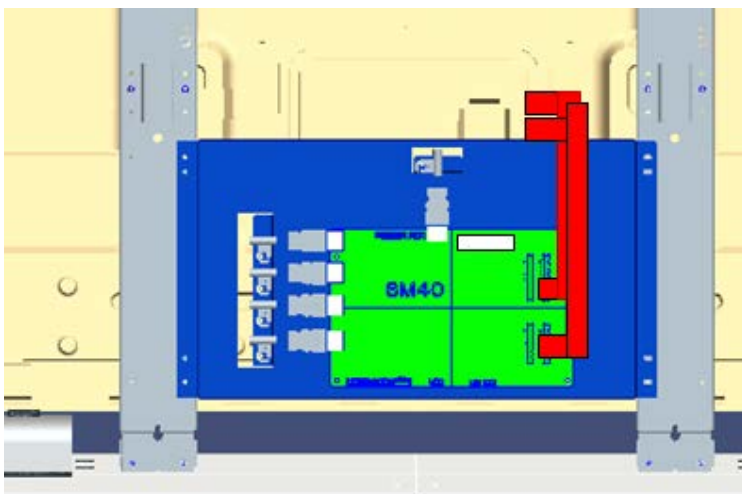


Physical

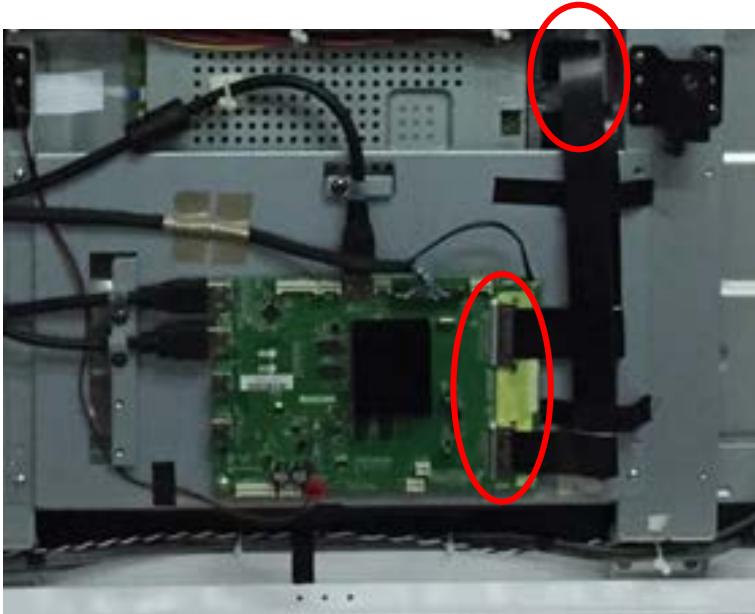


4. FFC cable

Schematic

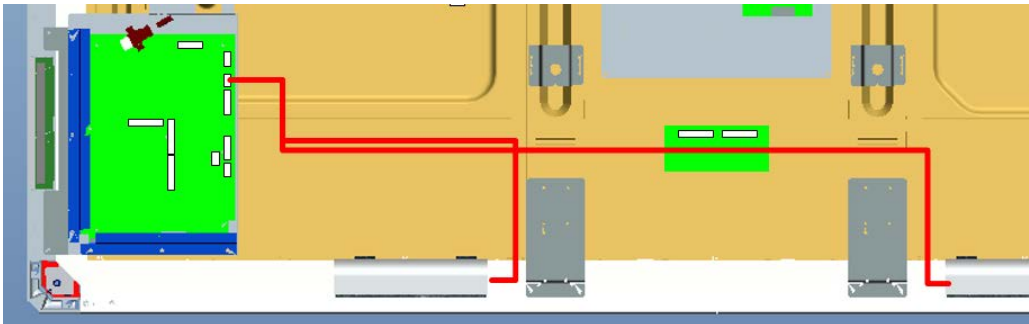


Physical



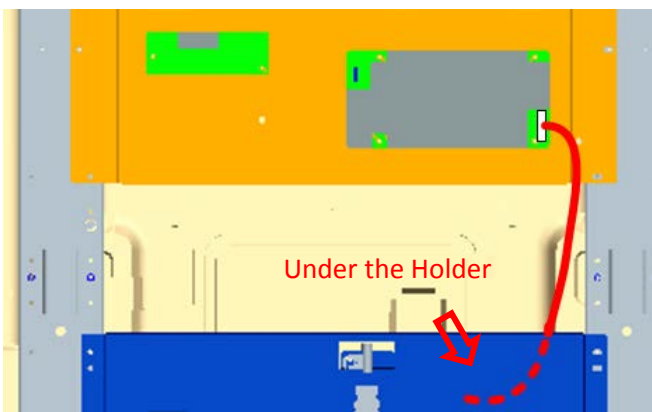
5. Speaker cable

Schematic

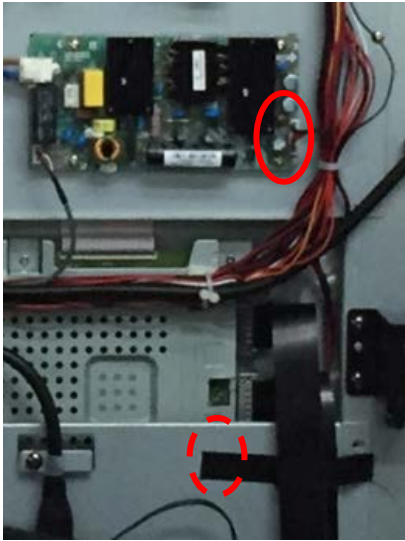


6. Panel power cable

Schematic

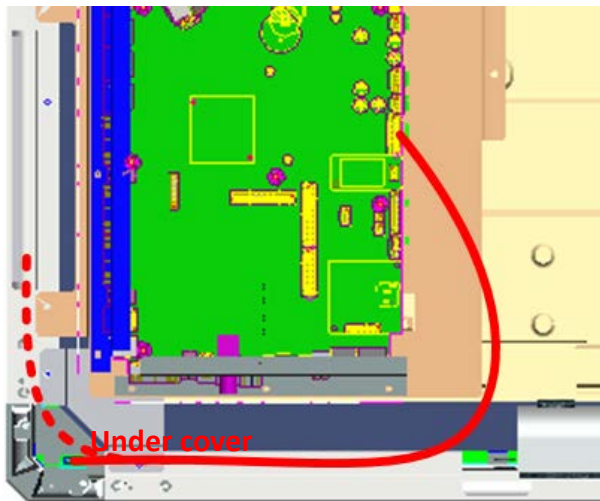


Physical

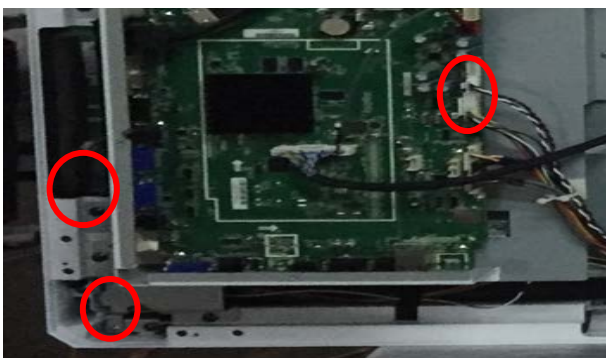


7. Key remote control cable

Schematic

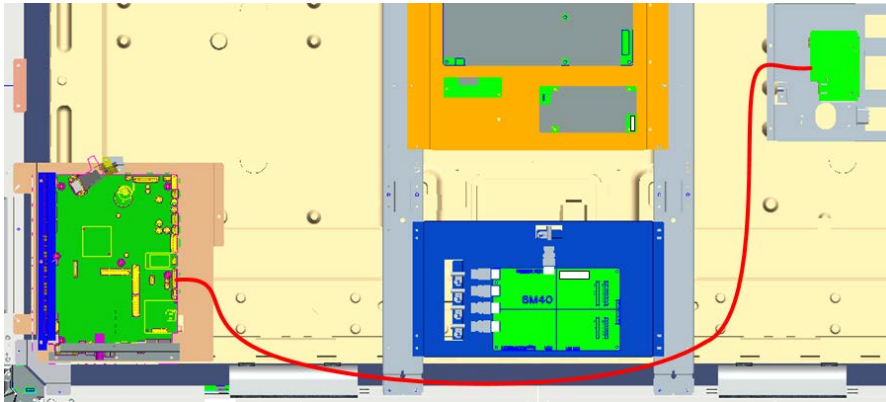


Physical

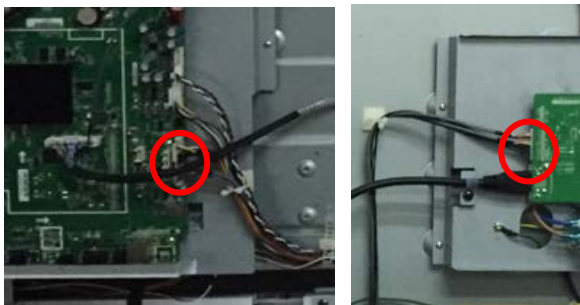


8. PC signal cable

Schematic



Physical

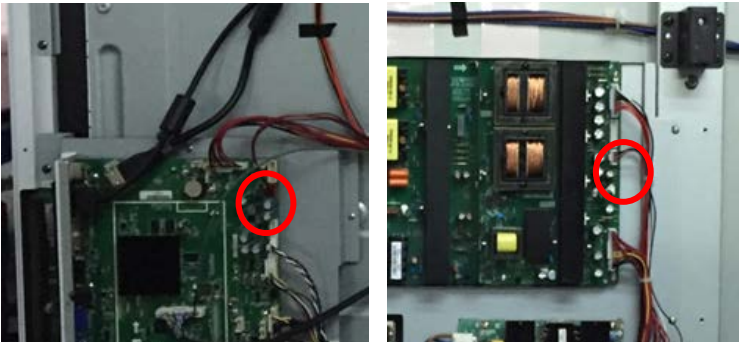


9. Power cable for speakers amplifier

Schematic

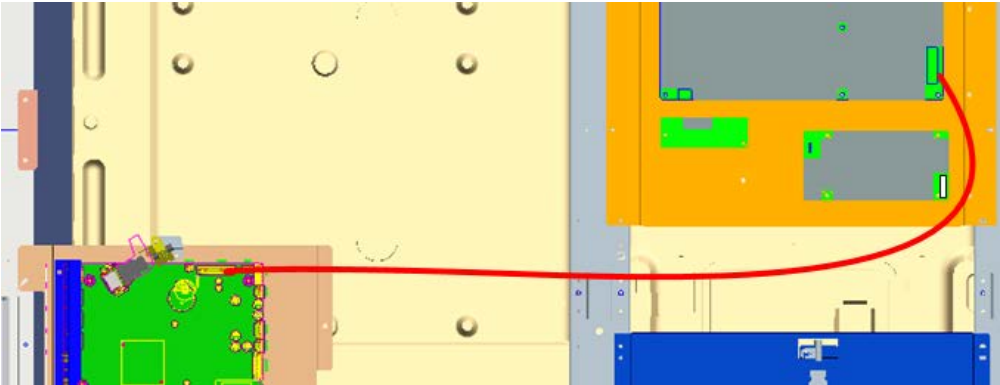


Physical

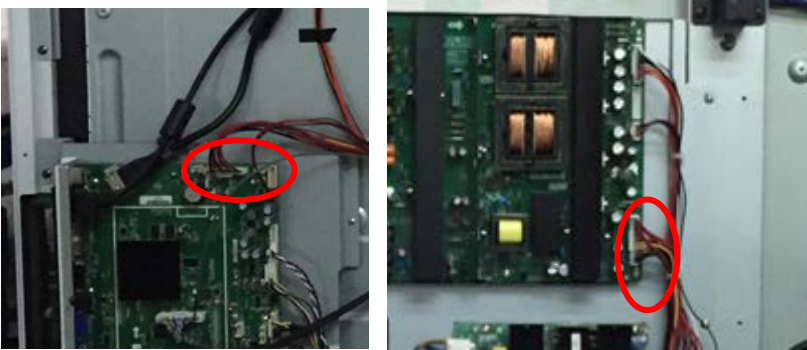


10. Power cable for main board

Schematic



Physical

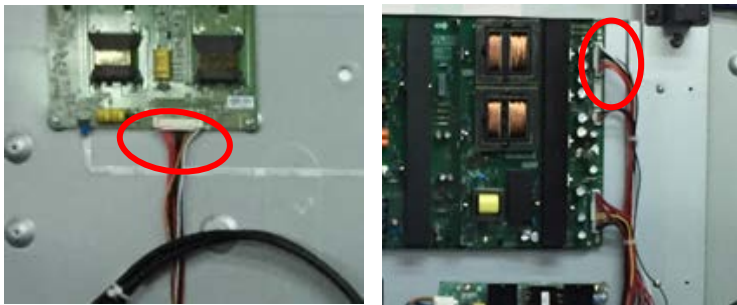


11. INVERTER cable

Schematic



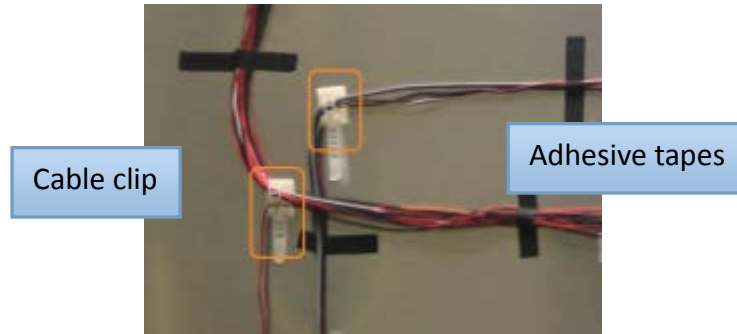
Physical



Note: the diagrams above are only for reference.

Maintenance Description

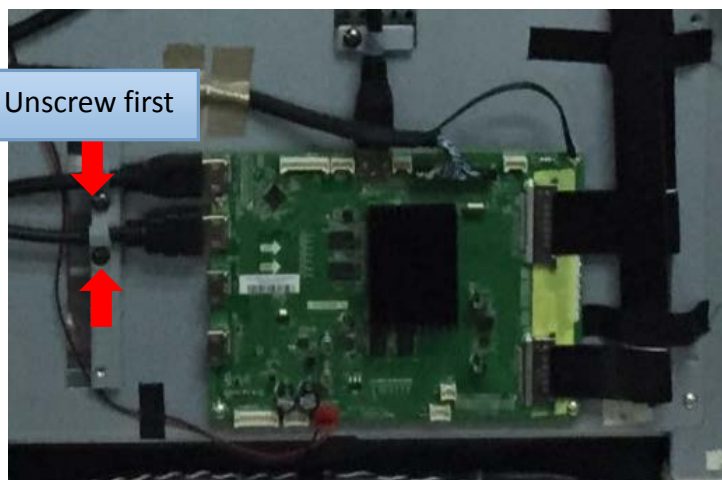
- To replace the internal cables you need to remove the back cover first, and then remove the cable clips and the adhesive tapes fixed on the screen (showed as below).



- When the step above is done, pinch the cable plug and press to unlock, then pull out the plug from the socket. (To the cables without lock structure, just pull out the plug from the socket)
- Unplug the another plug of the cable to finish the cable removal.
- Plug a new cable to replace the removed one, and fix the cable back to the screen by cable clips and adhesive tapes.

⚠ Please note whether the ports of the cables are properly connected in order to prevent the component from being burnt due to inserting in the wrong ports.

⚠ Some cables (such as HDMI Cable) are fixed on metal structural parts or even circuit boards with screws, to replace these cables, unscrewing the screws shall be done first.

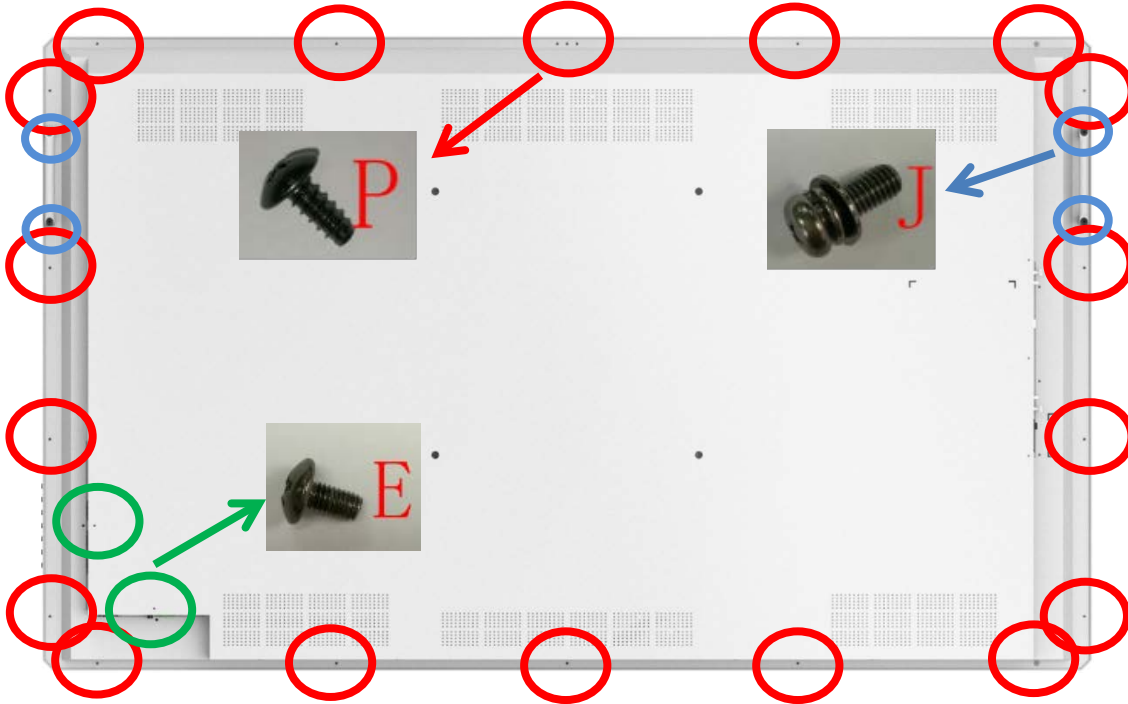


⚠ Cable replacement must be operated under the condition that all power supply have been fully cut off.

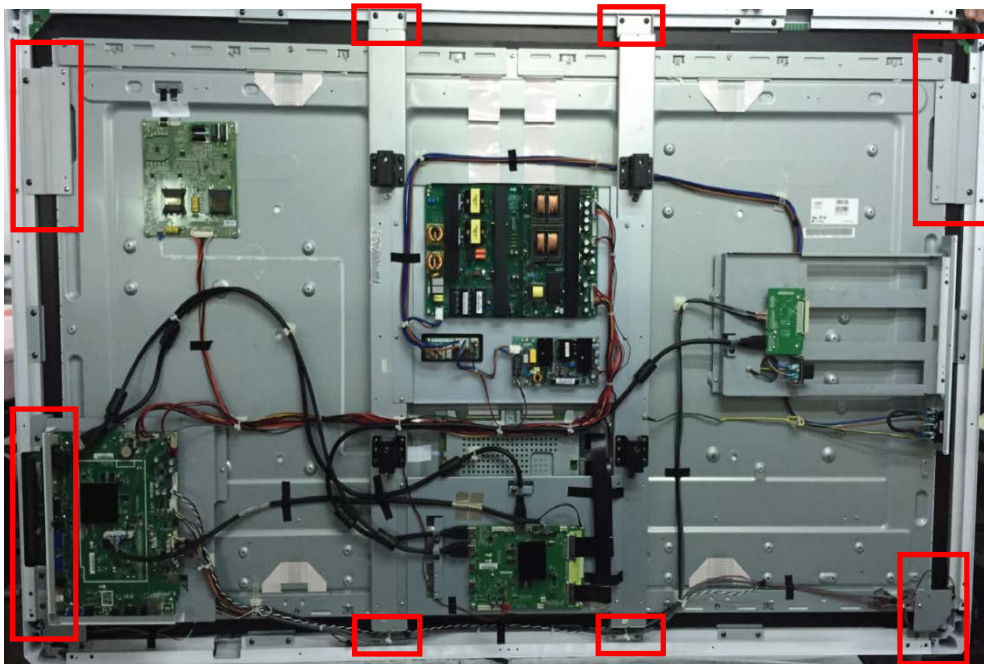
II. Panel Replace Instruction

Touch Frame Disassembly

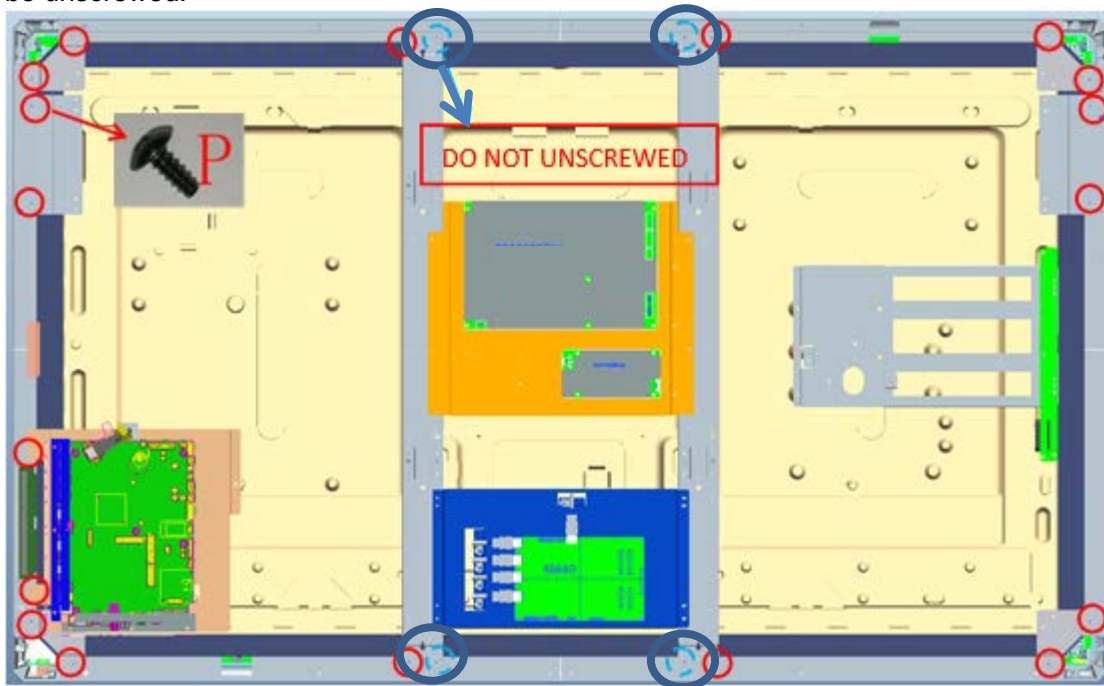
1. Remove the rear shell from the screen.



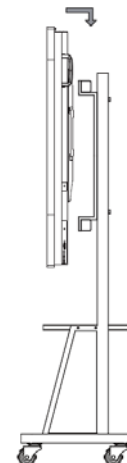
2. Remove all cables and boards (It is recommended but not necessary), and then screws out the panel holders form screen.



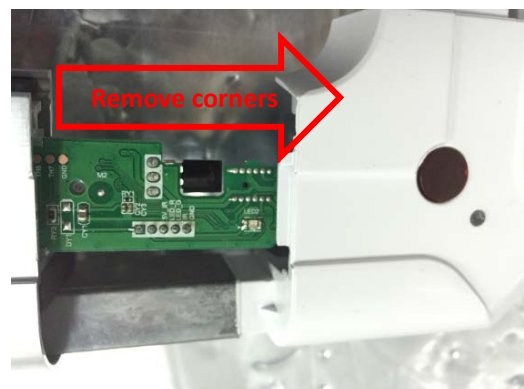
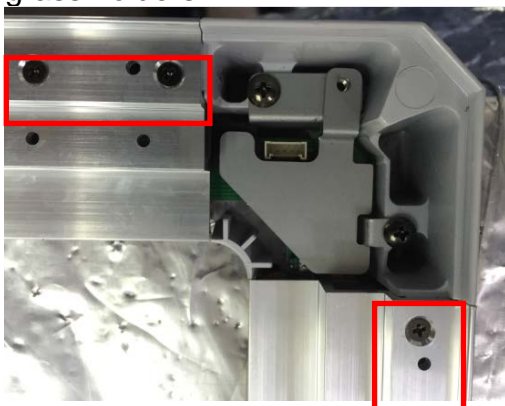
Note: when screwing out the panel holders, screws which are circled in blue below should NOT be unscrewed.



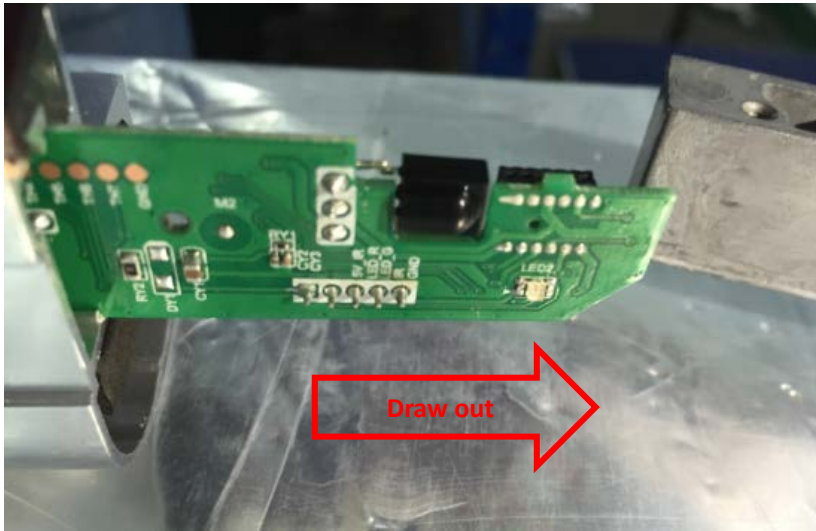
3. Vertically lift the panel away from the touch frame and hang it on the stand.



4. Screws out all screws fixed on the frame and then remove all the corners and grass holders.



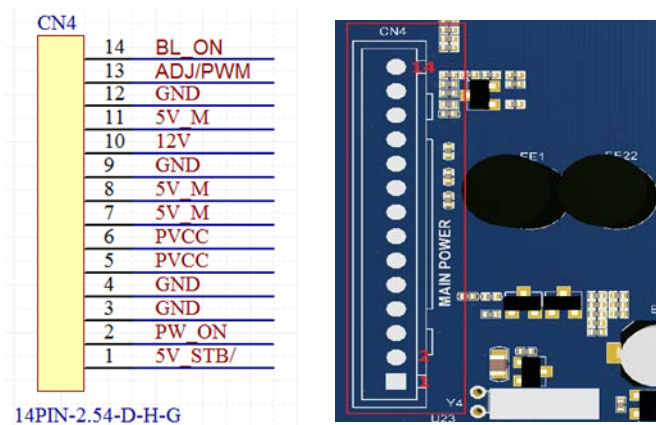
5. Draw the touch boards out of the frame.



Main board



1.CN4(Main Power Connector)

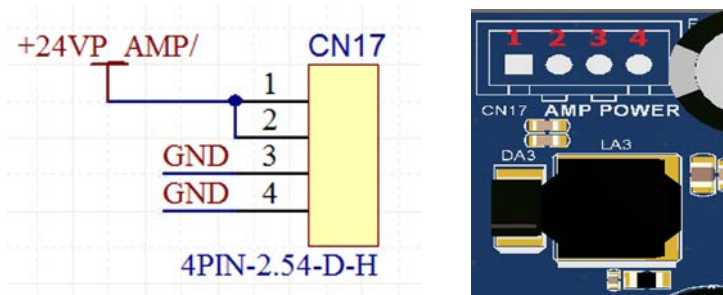


14PIN-2.54-D-H-G

NO	SYMBOL	DESCRIPTION	Default Value(V)
1	5V_STB/	Power Supply Standby	5V
2	PW_ON	Power Supply Control	5V
3	GND	Ground	0V
4	GND	Ground	0V
5	PVCC	Power Supply For Panel	12V
6	PVCC	Power Supply For Panel	12V
7	5V_M	Main +5V Power Supply	5V
8	5V_M	Main +5V Power Supply	5V

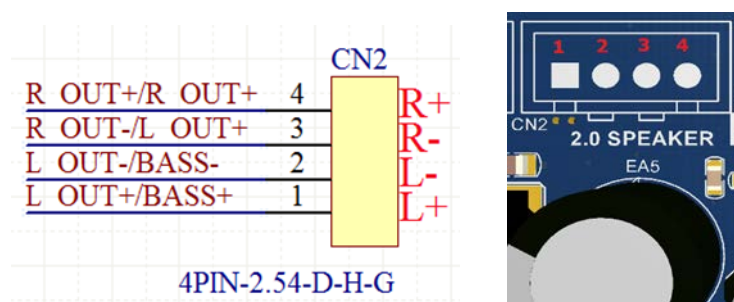
9	GND	Ground	0V
10	12V	+12V DC Power Supply	12V
11	5V_M	Main +5V Power Supply	5V
12	GND	Ground	0V
13	ADJ/PWM	Backlight Adjust	High: 3.3V, Low: 0V
14	BL_ON	Backlight Control	5V

2.CN17(Power For Amplifier)



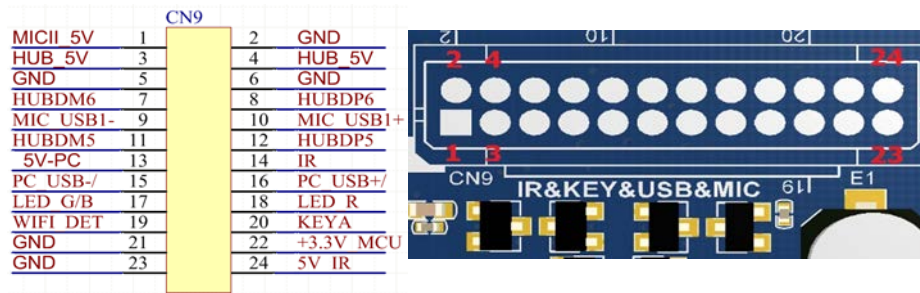
NO	SYMBOL	DESCRIPTION	Default Value
1	+24VP_AMP/	Power Supply for AMP	24V
2	+24VP_AMP/	Power Supply for AMP	24V
3	GND	Ground	0V
4	GND	Ground	0V

3.CN2(Connector Of Speaker)



NO	SYMBOL	DESCRIPTION	Default Value
1	L+	Left Channel+	11.93V±5%
2	L-	Left Channel-	11.93V±5%
3	R+	Right Channel+	11.93V±5%
4	R-	Right Channel-	11.93V±5%

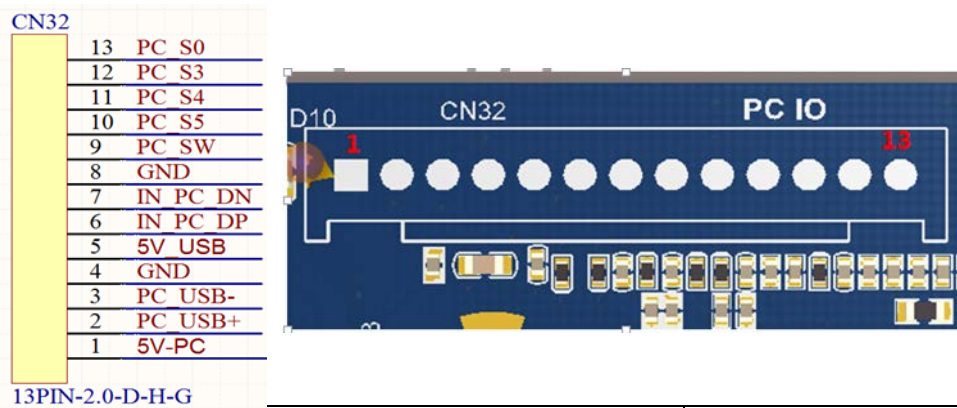
4.CN9(BUILT-IN Signal Connector)



NO	SYMBOL	DESCRIPTION	Default Value
1	MICII_5V	+5V Power Supply For MIC	5V
2	GND	Ground	0V
3	HUB_5V	+5V Power Supply For MIC	5V
4	HUB_5V	+5V Power Supply For MIC	5V
5	GND	Ground	0V
6	GND	Ground	0V
7	HUBDM6	NC	/
8	HUBDP6	NC	/
9	MIC_USB1-	NC	/
10	MIC_USB+	NC	/
11	HUBDM5	NC	/
12	HUBDP5	NC	/
13	5V-PC	+5V Output From PC	5V
14	IR	Remote Control	High: 4.2V, Low: 0V
15	PC_USB-/	NC	/
16	PC_USB+/-	NC	/
17	LED_G/B	Working Station Indicator	0V When LED Is Red, 4V When LED Is Blue
18	LED_R	Standby Status Indicator	1.9V When LED Is Red, 1.25V When LED Is Blue
19	WIFI_DET	Ground	0V

20	KEYA	KEY	Without Button Bellow Pressed:3.3V When Button Bellow Pressed Power: 0.098V Home: 2.029V Return: 1.65V Setting: 1.204V Volume+: 0.798V Volume-: 0.417V
21	GND	Ground	0V
22	+3.3V_MCU	NC	/
23	GND	Ground	0V
24	5V_IR	Power Supply For Remote Control	5V

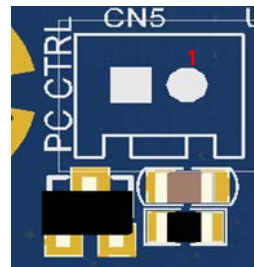
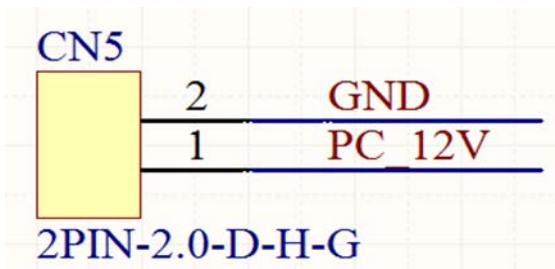
5. CN32(PC_IO Connector)



NO	SYMBOL	DESCRIPTION	Default Value
1	5V-PC	+5V Power Supply For PC_USB	5V
2	PC_USB+	PC USB	Follow The USB Protocol
3	PC_USB-		
4	GND	Ground	0V
5	5V_USB	+5V Power Supply For USB	5V
6	IN_PC_DP	Touch USB Signal For PC	Follow The USB Protocol
7	IN_PC_DN		
8	GND	Ground	0V
9	PC_SW	PC power ON/OFF control signal	0V When PC Is Running
10	PC_S5	PC State	5V When PC Is Power Off,0V Otherwise

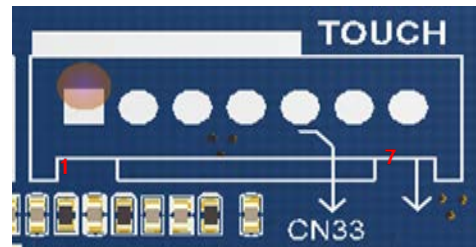
11	PC_S4		0V When PC Is Running Or Sleeping,5V Otherwise
12	PC_S3		0V When PC Is Running,5V Otherwise
13	PC_S0		5V When PC Not Plug In,0V Otherwise

6. CN5(Connector For Relay Control Signals)



NO	SYMBOL	DESCRIPTION	Default Value
1	PC_12V	+12V Power Supply For Relay Control	12V
2	GND	Ground	0V

7. CN33(Connector For Touch Signals)



connect jack, 7Pin,D2.0,D,SNAP,L=3.5mm,DIP,CNJST

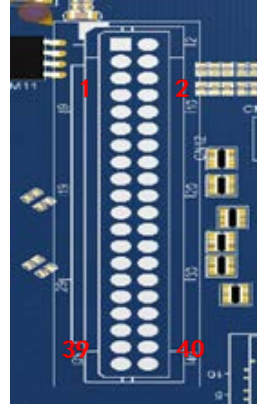
NO	SYMBOL	DESCRIPTION	Default Value
1	TOUCH5V	+5V Power Supply for Touch signals	5V
2	TOUCHD-	Touch USB Signal For PC	Follow The USB Protocol
3	TOUCHD+		
4	GND	Ground	0V
5	GND	Ground	0V
6	USARTC_RX	Touch Signal For Android Module	Follow The Serial Protocol

7	USARTC_TX		
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8. CN12(Connector For LVDS Signals)

CN12	
VCC Panel	1
VCC Panel	3
GND	5
C0 N	7
C1 N	9
C2 N	11
GND	13
CCK N	15
C3 N	17
D0 N	19
D1 N	21
D2 N	23
GND	25
DCK N	27
D3 N	29
GND	31
CON1/	33
I2CS_SCL	35
C4 N	37
D4 N	39
VCC Panel	2
GND	4
C0 P	8
C1 P	10
C2 P	12
GND	14
CCK P	16
C3 P	18
D0 P	20
D1 P	22
D2 P	24
GND	26
DCK P	28
D3 P	30
GND	32
Display	34
I2CS_SDA	36
C4 P	38
D4 P	40

connect jack,2×20Pin,D2.0,D,SNAP,L=2.6mm,DIP,CNJST

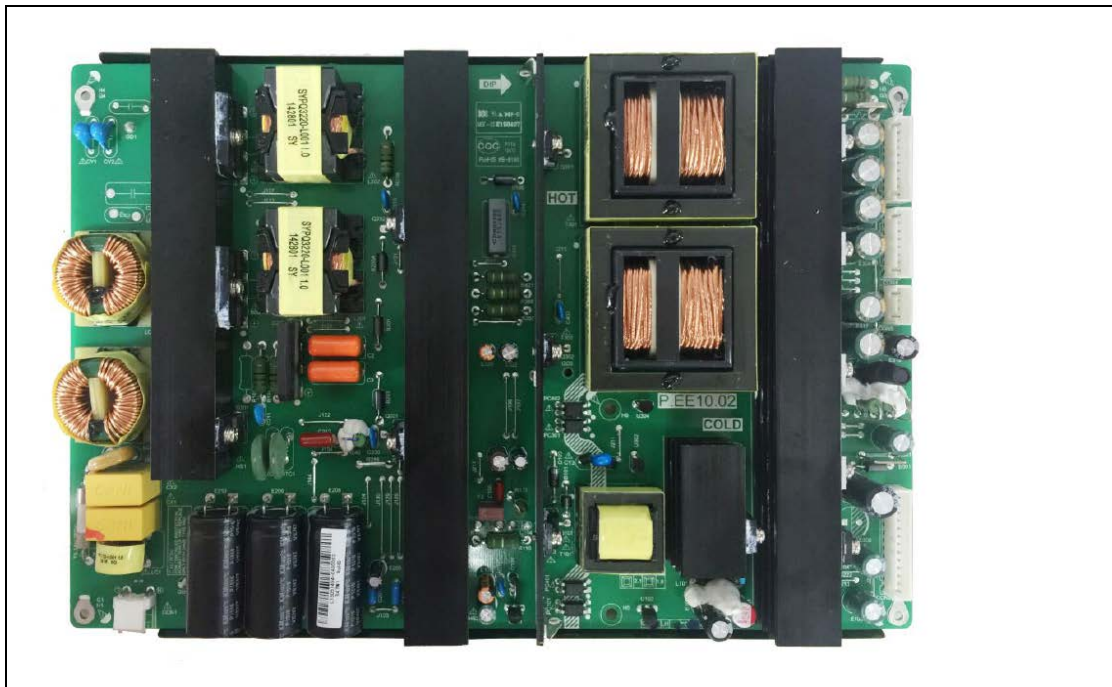


NO	SYMBOL	DESCRIPTION	Default Value
1	VCC_Panel	+12V Power Supply For Panel T-CON	12V
2	VCC_Panel		
3	VCC_Panel		
4	GND	Ground	0V
5	GND		
6	GND		
7	C0_N	LVDS Signals	Follow The LVDS Protocol
8	C0_P		
9	C1_N		
10	C1_P		
11	C2_N		
12	C2_P	Ground	0V
13	GND		
14	GND	LVDS Signals	Follow The LVDS Protocol
15	CCK_N		
16	CCK_P		
17	C3_N		
18	C3_P		
19	D0_N		
20	D0_P		
21	D1_N	Ground	0V
22	D1_P		

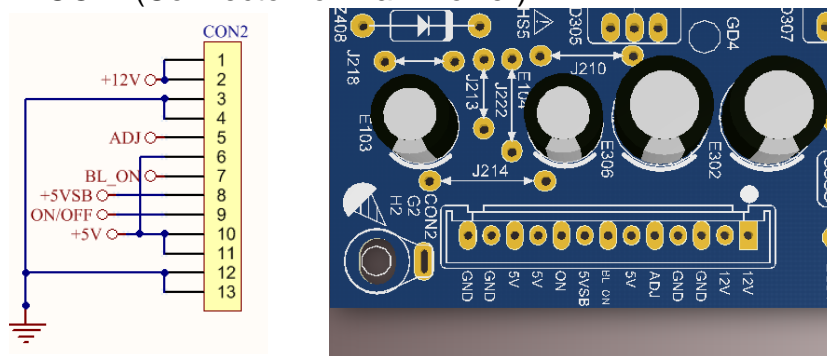
23	D2_N		
24	D2_P		
25	GND	Ground	0V
26	GND		
27	DCK_N	LVDS Signals	Follow The LVDS Protocol
28	CDK_P		
29	D3_N		
30	D3_P		
31	GND	Ground	0V
32	GND		
33	CON/	NC	/
34	Display	NC	/
35	I2C_SCL	NC	/
36	I2C_SDA	NC	/
37	C4_N	NC	/
38	C4_P	NC	/
39	D4_N	NC	/
40	D4_P	NC	/

I. TV Power And Peripheral Boards

1、TV Power Board (P.EE10.02D)



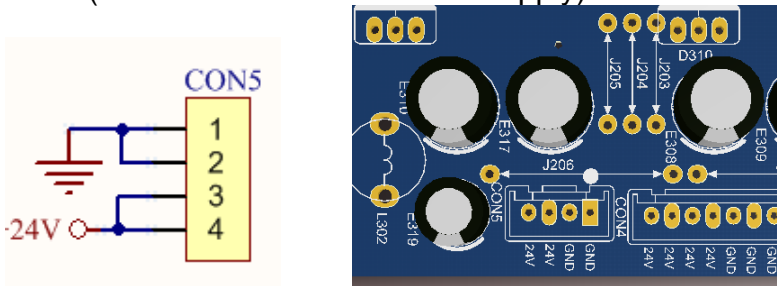
1. CON2(Connector for Main Power)



NO	SYMBOL	DESCRIPTION	Default Value
1	+12V	+12V DC Power Supply	12V
2	+12V	+12V DC Power Supply	12V
3	GND	Ground	0V
4	GND	Ground	0V
5	DIMMING	Backlight Adjust	High: 3.3V, Low: 0V
6	+5V	+5V DC Power Supply	5.23V

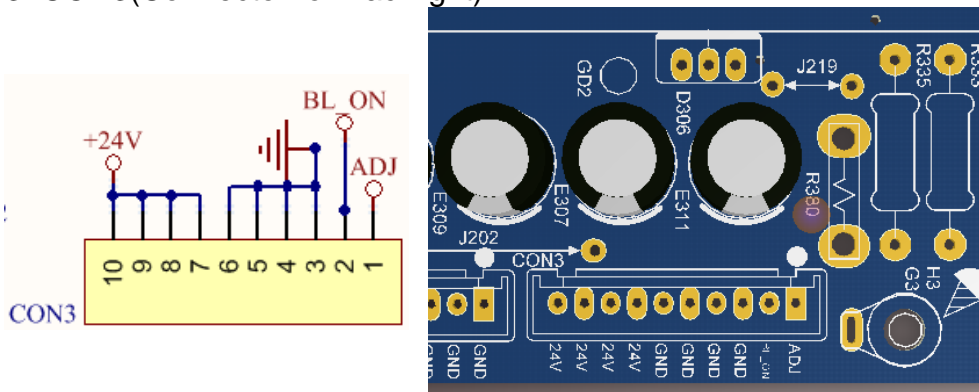
7	BL-ON	Backlight Control	4.76V
8	+5VSB	Power Supply Standby	5.25V
9	ON/OFF	Power Supply Control	4.4V
10	+5V	+5V DC Power Supply	5.23V
11	+5V		
12	GND	Ground	0V
13	GND		

2. CON5(Connector for AMP Power Supply)



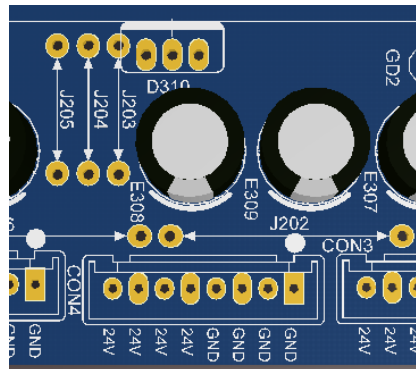
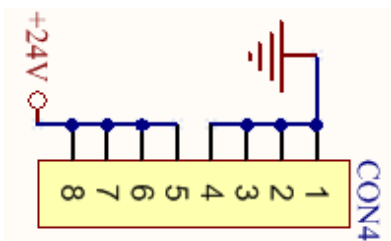
NO	SYMBOL	DESCRIPTION	Default Value
1	GND	Ground	0V
2	GND		
3	+24V	Power Supply for AMP	24V
4	+24V		

3. CON3(Connector for Backlight)



NO	SYMBOL	DESCRIPTION	Default Value
1	ADJ	Backlight Adjust	High: 3.3V, Low: 0V
2	BL_ON	Backlight ON/OFF Control	4.76V
3	GND	Ground	0V
4	GND	Ground	0V
5	GND	Ground	0V
6	GND	Ground	0V
7	+24V	Power Supply for Backlight	24V
8	+24V	Power Supply for Backlight	24V
9	+24V	Power Supply for Backlight	24V
10	+24V	Power Supply for Backlight	24V

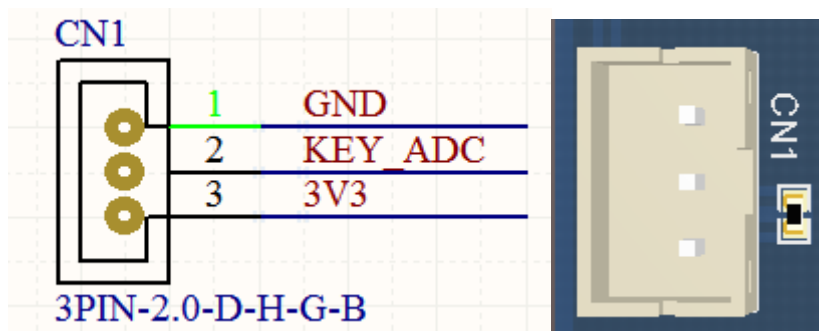
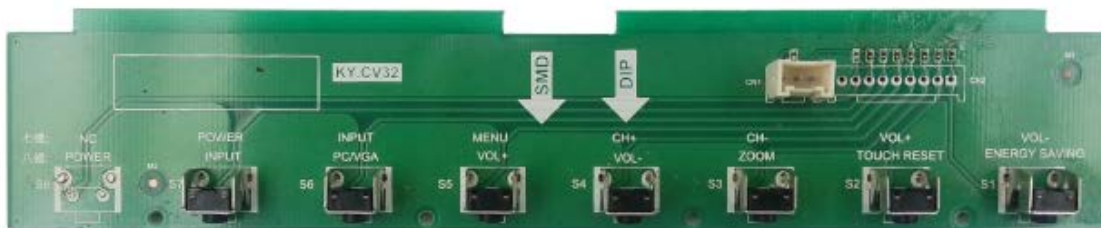
4. CON3(Connector for Backlight)



NO	SYMBOL	DESCRIPTION	Default Value
3	GND	Ground	0V
4	GND	Ground	0V
5	GND	Ground	0V
6	GND	Ground	0V
7	+24V	Power Supply for Backlight	24V

8	+24V	Power Supply for Backlight	24V
9	+24V	Power Supply for Backlight	24V
10	+24V	Power Supply for Backlight	24V

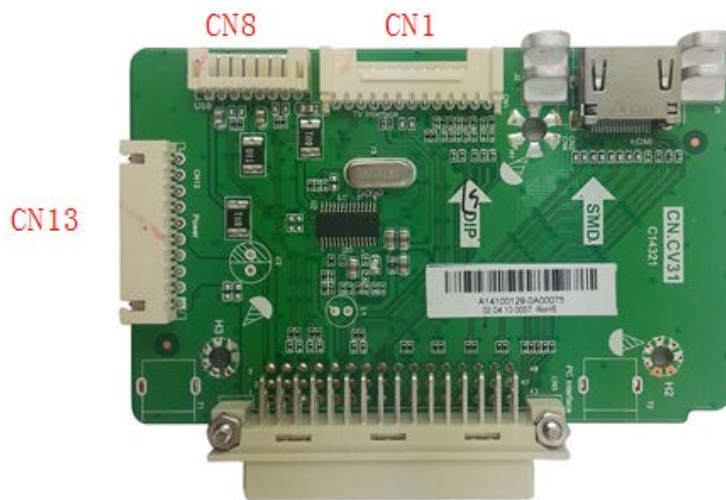
2、Key Board (KY.CV32A)



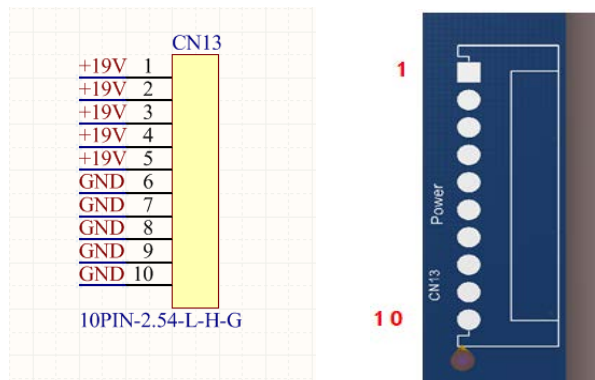
1. CN1(Connector for KEY)

NO	SYMBOL	DESCRIPTION	Default Value
1	GND	Ground	0V
2	KEY_ADC	KEY	Without Button Bellow Pressed:3.3V When Button Bellow Pressed Power: 0.098V Home: 2.029V Return: 1.65V Menu: 1.204V Volume-: 0.798V Volume+: 0.417V
3	+3.3V	+3.3V DC Power Supply	3.3V

3、MCU Board (CN.CV31C/CN.CV58B)

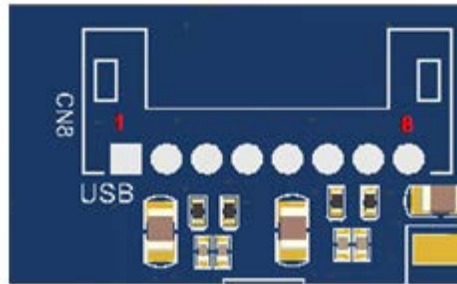
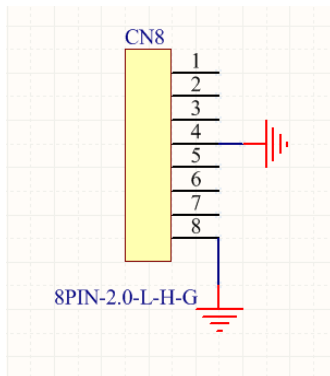


1. CN13(Connector for PC Power Supply)



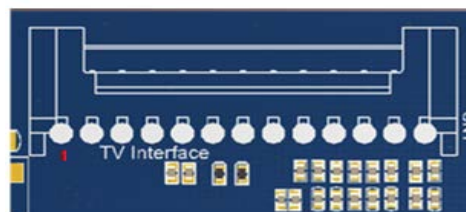
NO	SYMBOL	DESCRIPTION	Default Value
1	+19V	Power Supply for PC	12V
2	+19V	Power Supply for PC	12V
3	+19V	Power Supply for PC	12V
4	+19V	Power Supply for PC	12V
5	+19V	Power Supply for PC	12V
6	GND	Ground	0V
7	GND	Ground	0V
8	GND	Ground	0V
9	GND	Ground	0V
10	GND	Ground	0V

2. CN8(Connector for PC USB)



NO	SYMBOL	DESCRIPTION	Default Value
1	+5V	USB_5V	5V
2	USB3-	PC USB	Follow The USB Protocol
3	USB3+		
4	GND	Ground	0V
5	+5V	USB_5V	5V
6	USB4-	PC USB	Follow The USB Protocol
7	USB4+		
8	GND	Ground	0V

3. CON1(Connector for PCIO)



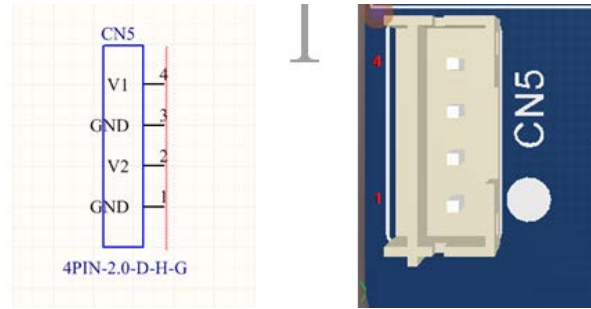
NO	SYMBOL	DESCRIPTION	Default Value
1	5V-PC	+5V Power Supply for PC_USB	5V
2	IN_PC_D+	PC USB	Follow The USB

3	IN_PC_D-		Protocol
4	GND	Ground	0V
5	+5VCC/	+5V Power Supply for USB	5V
6	PC_USB+	Touch USB Signal For PC	Follow The USB Protocol
7	PC_USB-		
8	GND	Ground	0V
9	MCU_PC_SW	PC power ON/OFF control signal	0V When PC Is Running
10	MCU_PC_S5	PC State	
11	MCU_PC_S4		
12	MCU_PC_S3		
13	MCU_PC_S0		

4、PC Power Board (P.BE10.02)

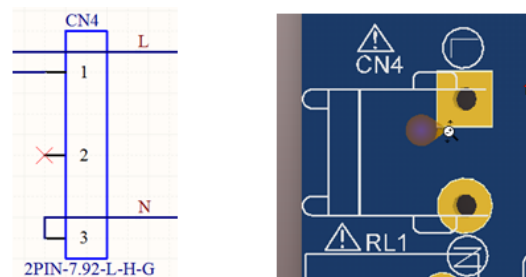


1. CN5(Connector For Relay Control Signals)



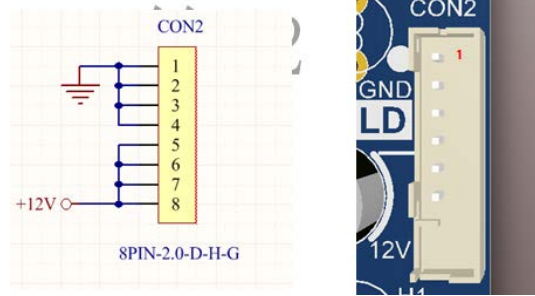
NO	SYMBOL	DESCRIPTION	Default Value
1	V1	NC	/
2	GND	NC	/
3	V2	NC	/
4	GND	NC	/

2. CN4(Connector For AC Power Supply)



NO	SYMBOL	DESCRIPTION	Default Value
1	L	AC_L	220V Between N And L
2	NC	NC	/
3	N	AC_N	220V Between N And L

3. CON2(Connector For PC Power Supply)



NO	SYMBOL	DESCRIPTION	Default Value
1	GND	Ground	0V
2	GND	Ground	0V
3	GND	Ground	0V
4	GND	Ground	0V
5	+12V	Power Supply For PC	12V
6	+12V	Power Supply For PC	12V
7	+12V	Power Supply For PC	12V
8	+12V	Power Supply For PC	12V

5、Multiplier Board (PL.MS6M40.1D)

1.AW2(Standard HDMI Connector For PC HDMI Signals)

2.AW1(Standard HDMI Connector For HDMI 4K channel)

3.AW5(Standard HDMI Connector For HDMI Signals To Main Board)

4.CNW10(Standard 51Pin V-By-One Connector For Panel)

5.CNW13(Standard 41Pin V-By-One Connector For Panel)

6.CN5(Connector For LVDS Signal From Main Board)

CN5			
VCC-Panel	1	2	VCC-Panel
VCC-Panel	3	4	GND
GND	5	6	
RX00 N	7	8	RX00 P
RX01 N	9	10	RX01 P
RX02 N	11	12	RX02 P
GND	13	14	GND
RXOC N	15	16	RXOC P
RX03 N	17	18	RX03 P
RXE0 N	19	20	RXE0 P
RXE1 N	21	22	RXE1 P
RXE2 N	23	24	RXE2 P
GND	25	26	GND
RXEC N	27	28	RXEC P
RXE3 N	29	30	RXE3 P
GND	31	32	GND
CON1	33	34	Display
VSEL1	35	36	VSEL2
RX04 N	37	38	RX04 P
RXE4 N	39	40	RXE4 P

2x20PIN-2.0-D-H-M

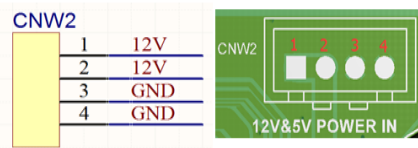


NO	SYMBOL	DESCRIPTION	Default Value
1	VCC_Panel	NC	/
2	VCC_Panel		
3	VCC_Panel		
4	GND	Ground	0V
5	GND		
6	GND		
7	C0_N	LVDS Signals	Follow The LVDS Protocol
8	C0_P		
9	C1_N		
10	C1_P		
11	C2_N		
12	C2_P		
13	GND	Ground	0V

14	GND		
15	CCK_N	LVDS Signals	Follow The LVDS Protocol
16	CCK_P		
17	C3_N		
18	C3_P		
19	D0_N		
20	D0_P		
21	D1_N		
22	D1_P		
23	D2_N		
24	D2_P		
25	GND	Ground	0V
26	GND		
27	DCK_N	LVDS Signals	Follow The LVDS Protocol
28	CDK_P		
29	D3_N		
30	D3_P		
31	GND	Ground	0V
32	GND		
33	CON/	NC	/
34	Display	NC	/
35	I2C_SCL	NC	/
36	I2C_SDA	NC	/

37	C4_N	NC	/
38	C4_P	NC	/
39	D4_N	NC	/
40	D4_P	NC	/

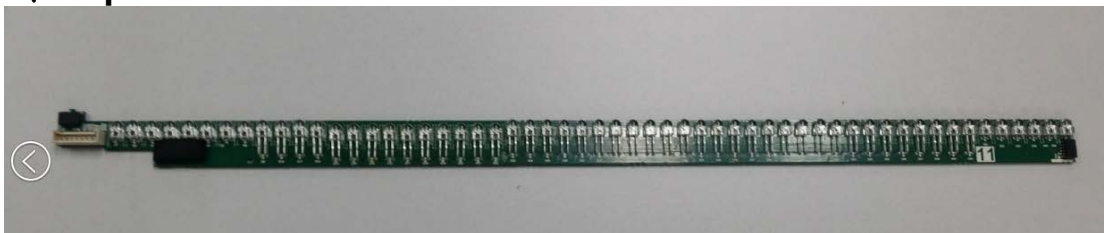
9. CNW2(Connector For 6M40 Power Supply)



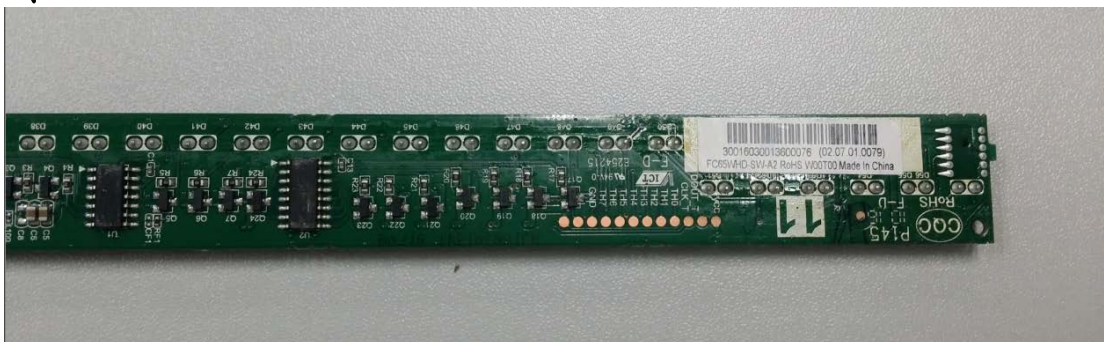
NO	SYMBOL	DESCRIPTION	Default Value
1	12V	Power Supply For 6M40	12V
2			
3	GND	Ground	0V
4			

IV. Touch Frame

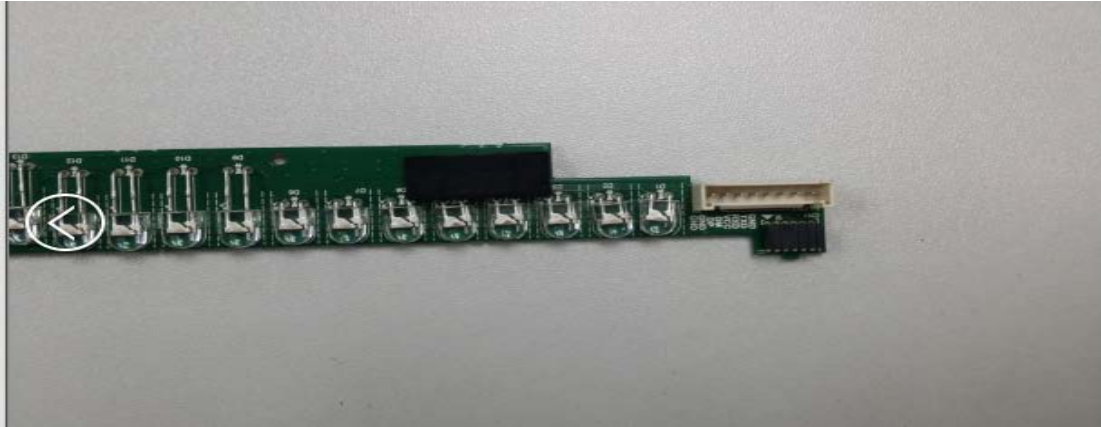
1、 Top view of touch frame main board



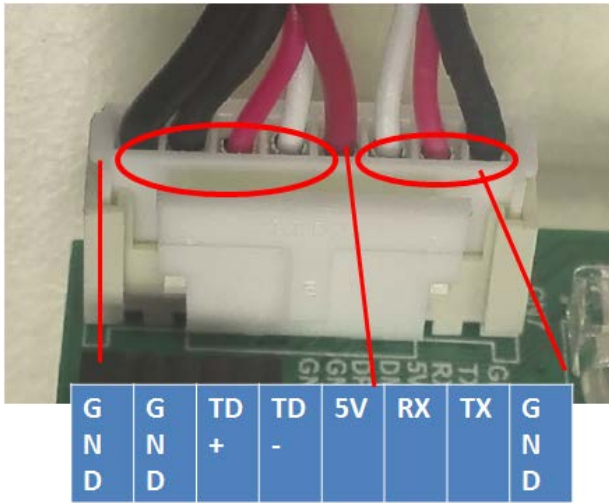
2、 Back view of touch frame main board



3、 Touch Cable Connector Of Touch frame main board



4、 Touch Frame Connector Pin Definition



5、 Touch System Block Diagram

