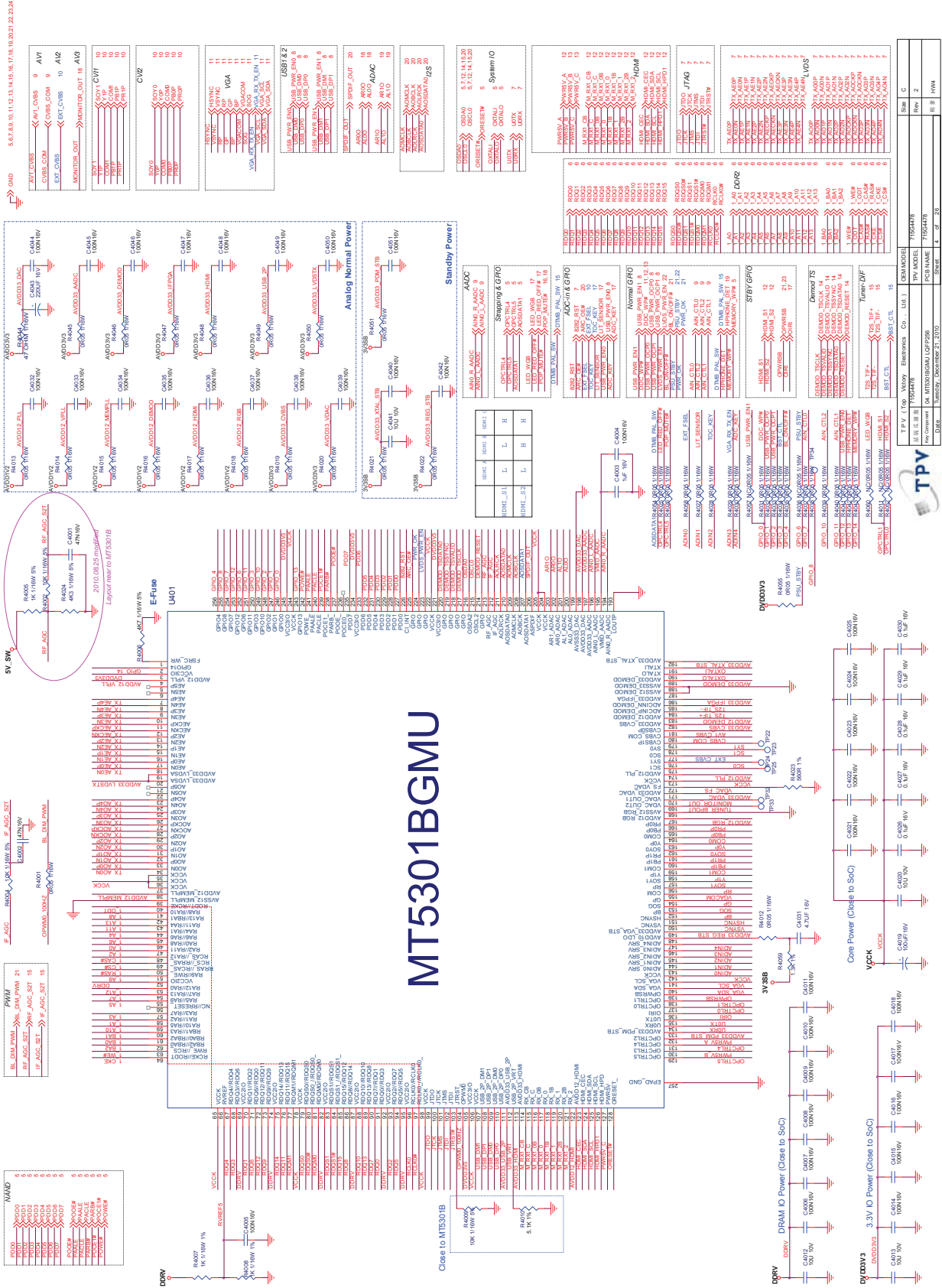


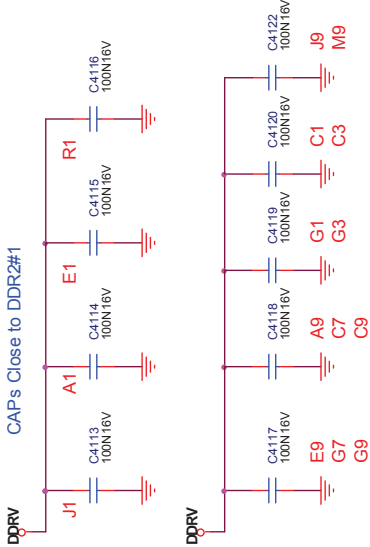
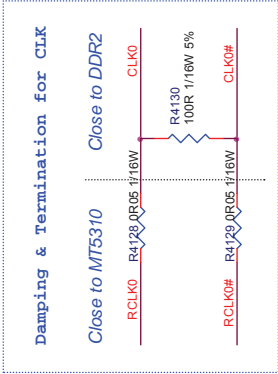
6.线路图

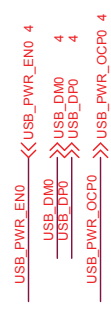
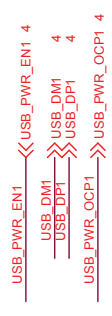
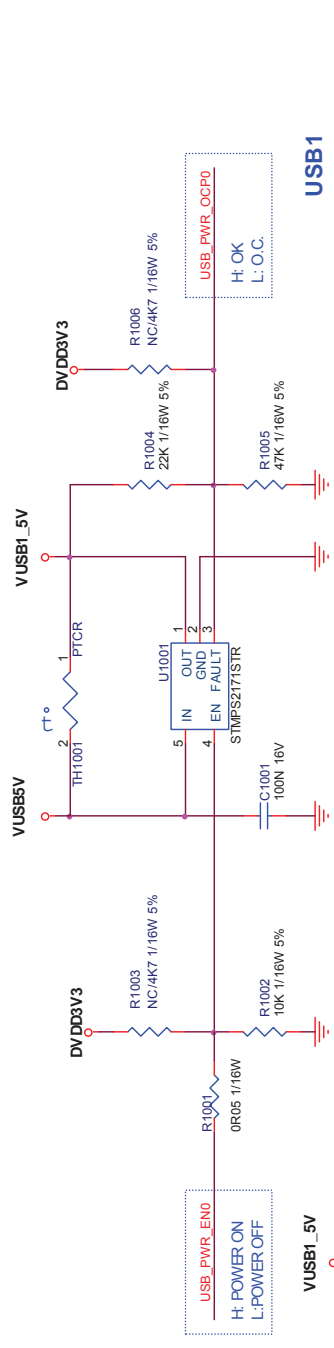
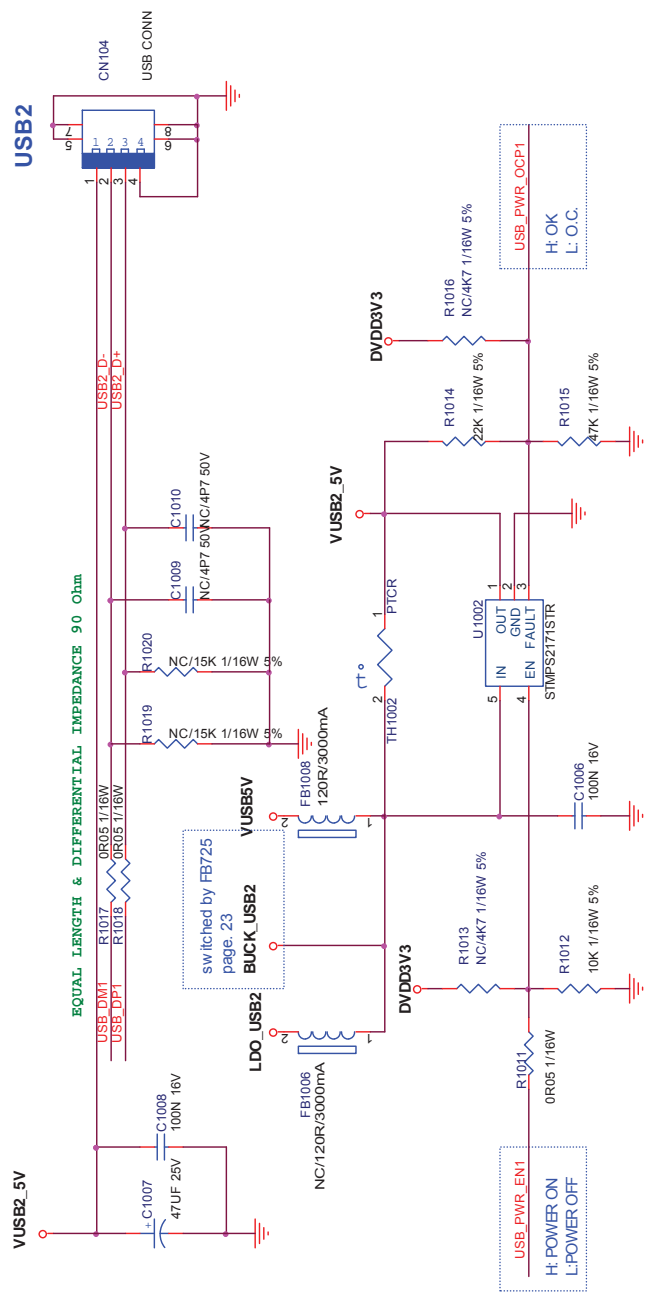
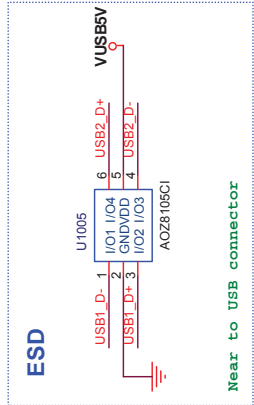
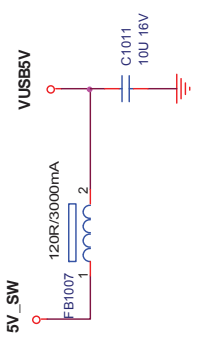
6.1 主板

715G4478

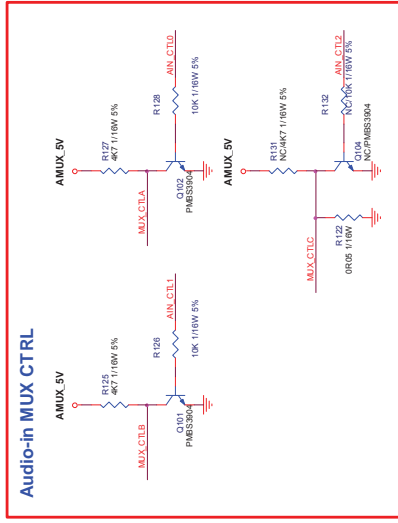
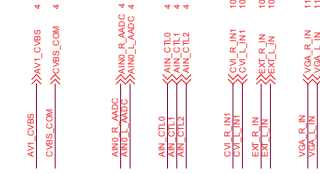


DDR2#1-1-64Mx16-1066MHZ



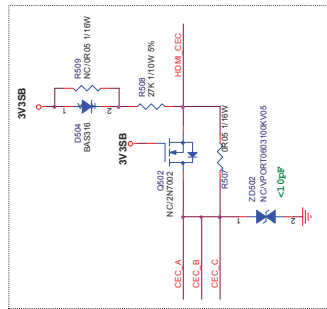
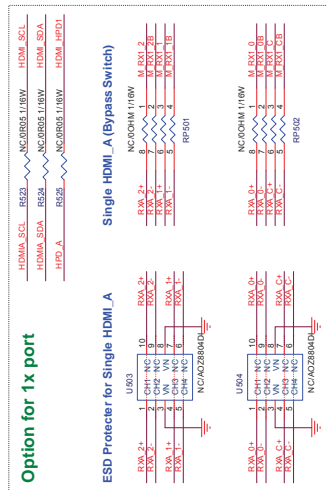
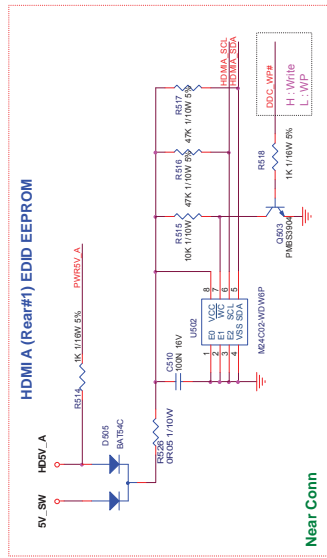
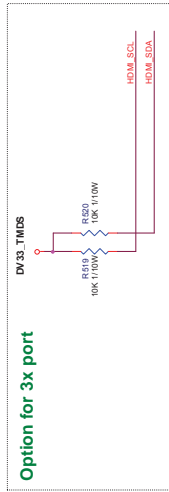
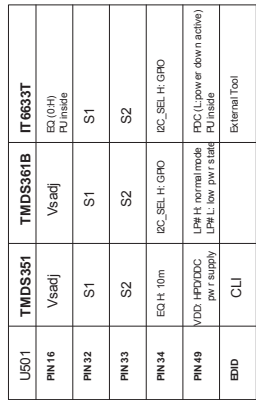
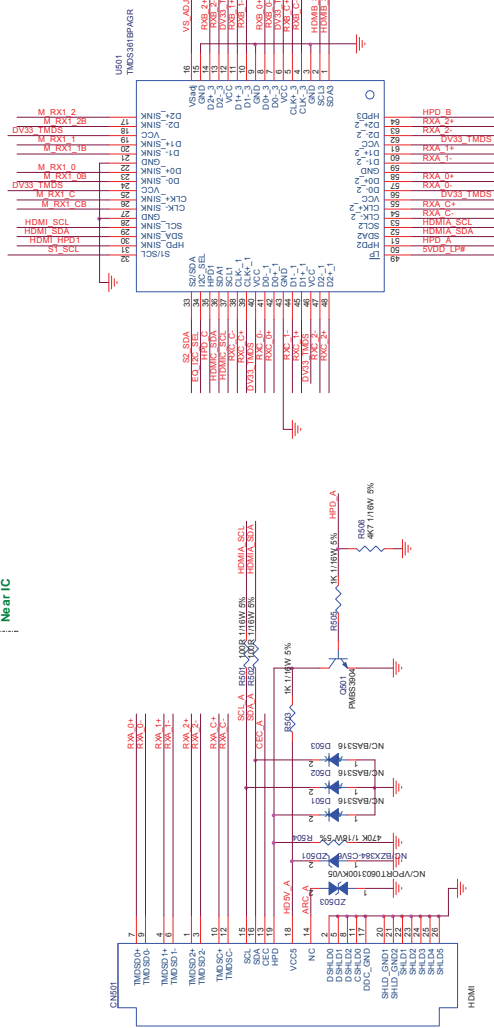


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
深圳瓜棚	TPV MODEL 715G4478	Rev	2
Key Component 08. USB1 & USB2	PCB NAME 715G4478		
Date Tuesday, December 21, 2010	Sheet 8 of 26	称 参	HW4



71504478-40G	AIN CTL2	AIN CTL1	AIN CTL0
(Reserved)	0	0	0
(Reserved)	0	0	1
(Reserved)	0	1	0
(Reserved)	0	1	1
EXT (Rear)	1	0	0
AV1 (Slide)	1	0	1
CV11	1	1	1
PC Line-In	1	1	0

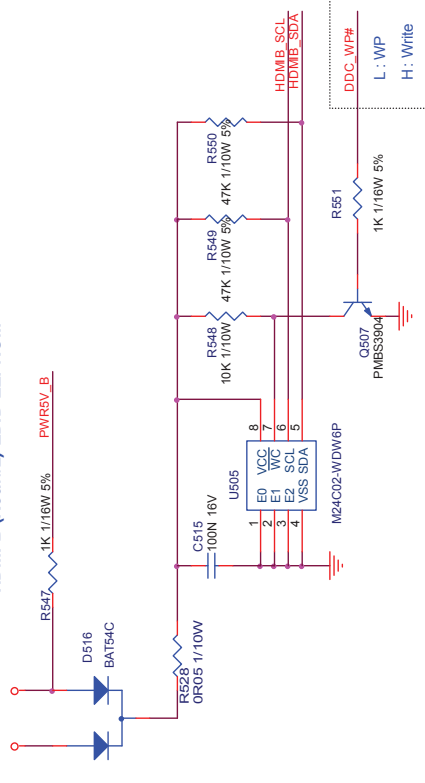
INH	CTL_B	CTL_A	
0	0	0	X0, Y0
0	0	1	X1, Y1
0	1	0	X2, Y2
0	1	1	X3, Y3
1	X	X	None



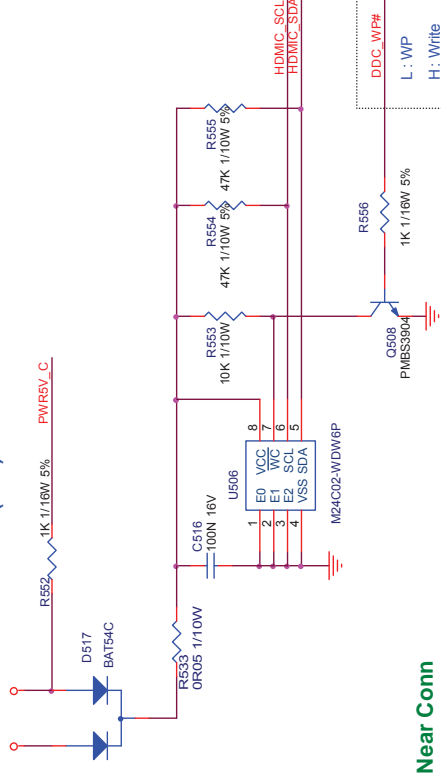
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size
製品名 型番	715G478	Rev 2
	TPV MODEL	
	715G478	
	PCB NAME	仕様
	12. HDMI A & Switch 3.1	HV4
Date	Sheet 12 of 28	
	Tuesday, December 21, 2010	

Option for 3x port

5V_SW HD5V_B HDMI B (Rear#2) EDID EEPROM



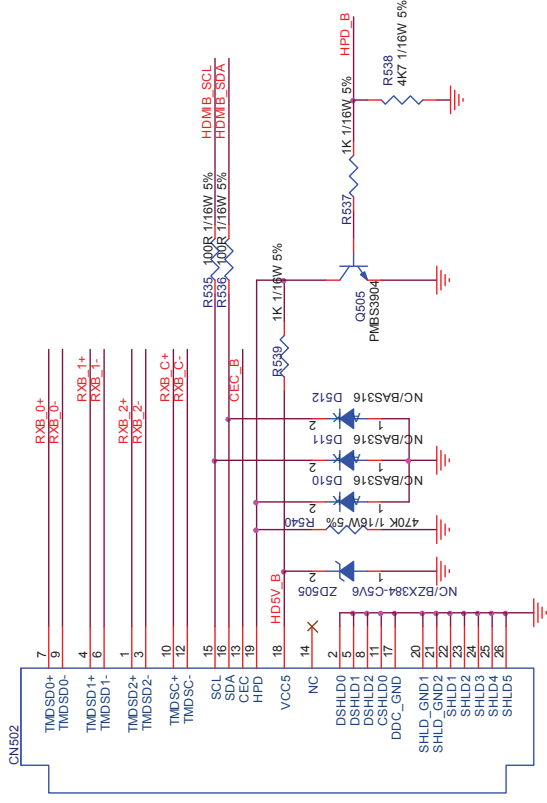
5V_SW HD5V_C HDMI C (Side) EDID EEPROM



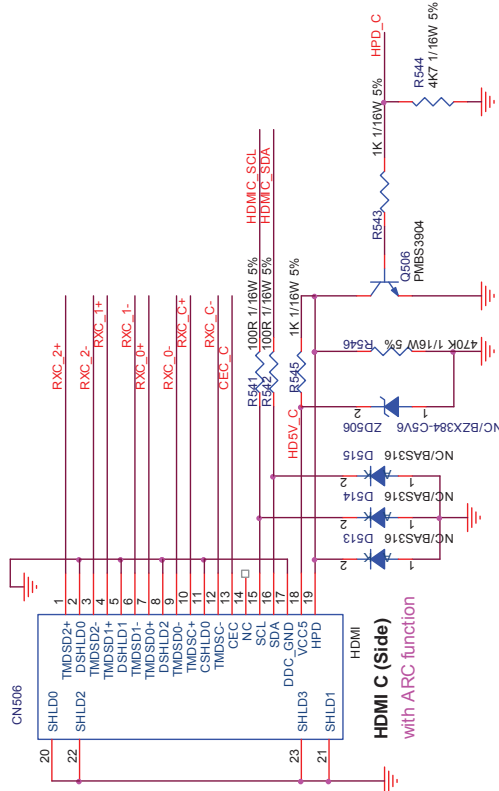
4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24



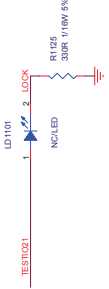
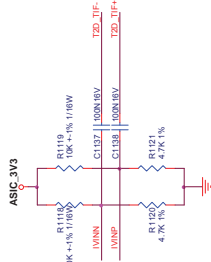
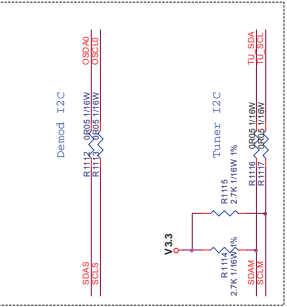
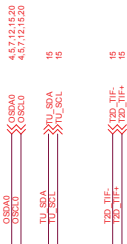
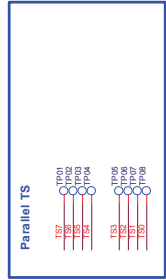
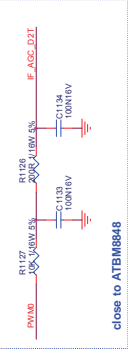
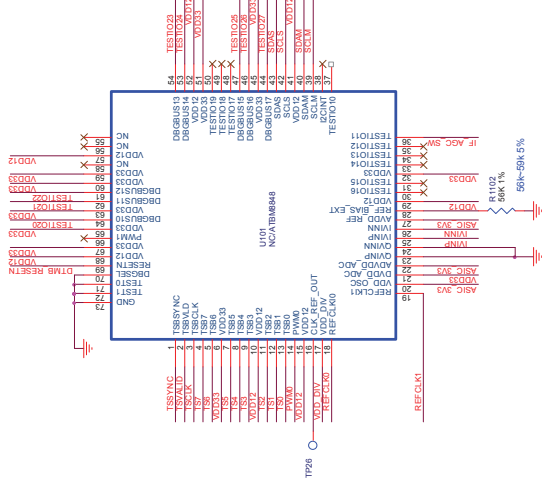
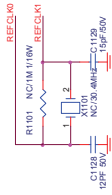
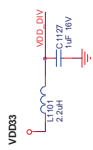
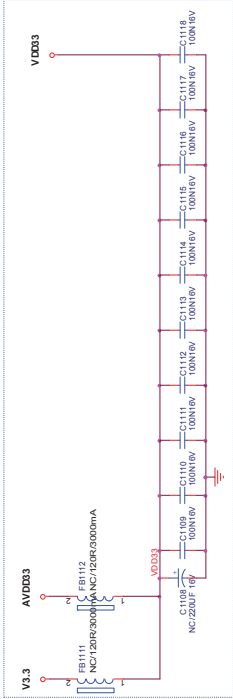
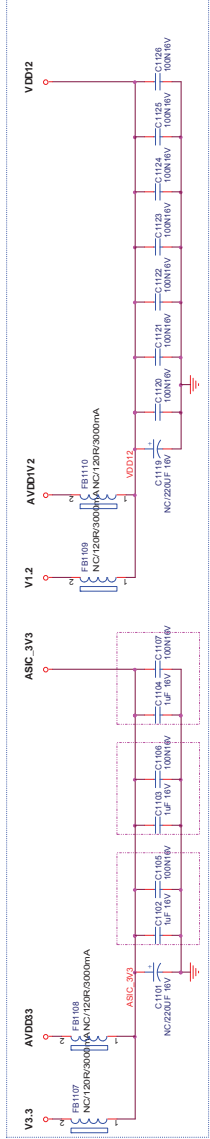
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
715G4478	TPV MODEL	Rev	2
13. HDMI B & HDMI C (Side)	PCB NAME		
Tuesday, December 21, 2010	Sheet	13 of 26	HW4



HDMI B (Rear#2)

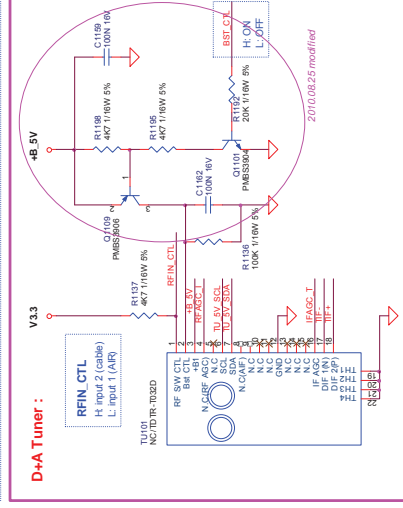
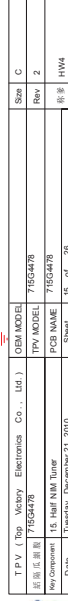


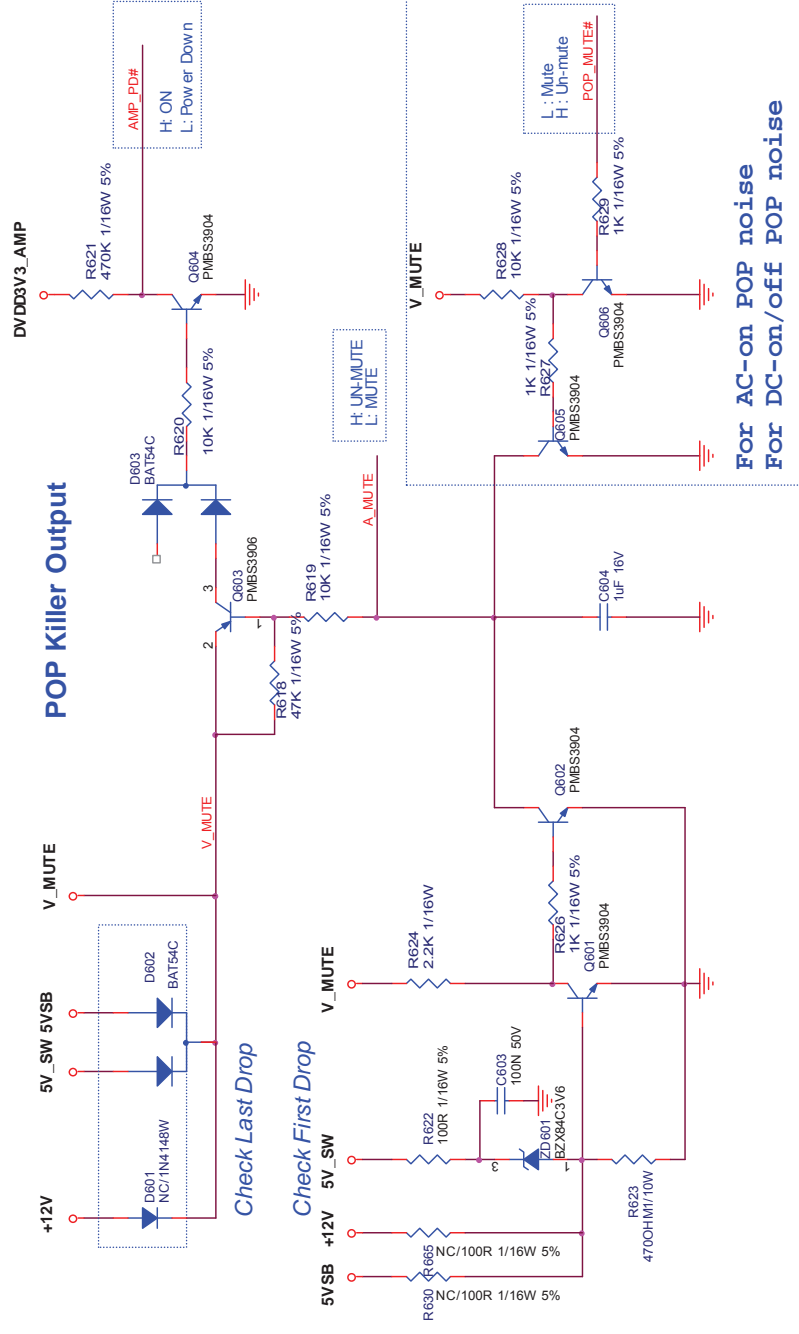
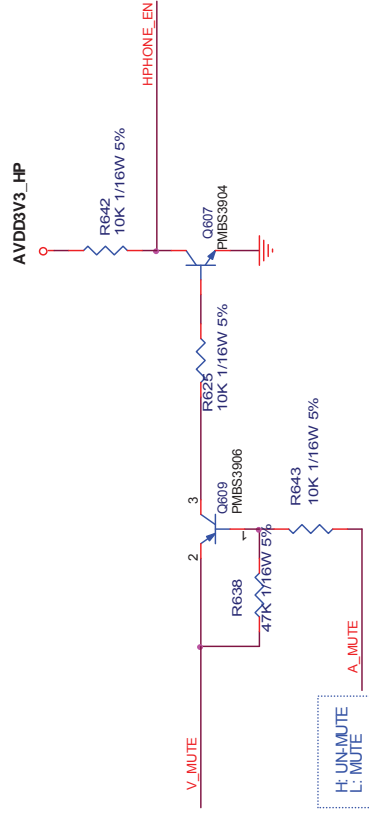
HDMI C (Side) with ARC function



4.5, 7.12, 16.20, 4.5, 7.12, 16.20

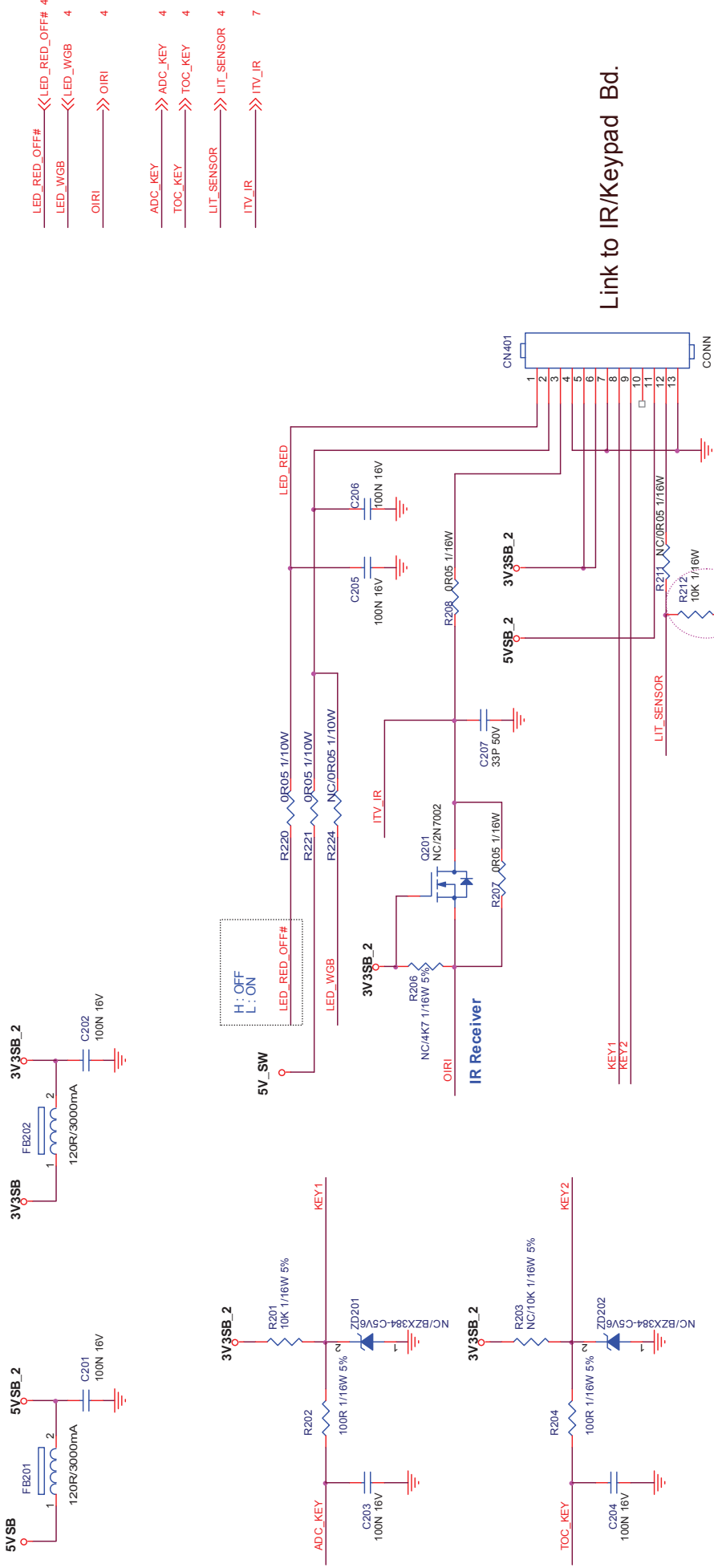
TPV (Top Victory Electronics Co., Ltd.)	DEM MODEL	Size	C
TPV MODEL	7162478	Rev	2
Key Comment	14. Demod (DTM8 & DVB-T & PAL)	PCB NAME	HW44
Date	Tuesday, December 21, 2010	Sheet	14 of 20





For AC-on POP noise
For DC-on/off POP noise

TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
715G4478	TPV MODEL	715G4478	Rev 2
Key Component	PCB NAME	715G4478	HW4
16. POP Killer & Extender			
Tuesday, December 21, 2010	Sheet	16 of 26	



Link to IR/Keypad Bd.

4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24



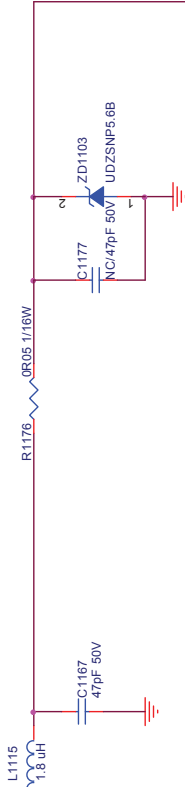
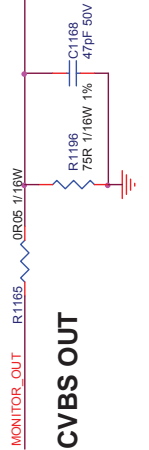
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	Size	B
715G4478		TPV MODEL	715G4478	Rev 2
Key Component		PCB NAME	715G4478	HW4
Date	Tuesday, December 21, 2010	Sheet	17 of 26	

AV_OUT (CVBS+R/L)

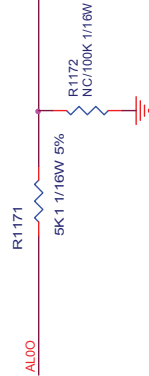
MONITOR_OUT << MONITOR_OUT 4
ALDO << ALDO 4
AR00 << AR00 4
POP_MUTE# << POP_MUTE# 4,16

Nearly I/O CONNECTOR

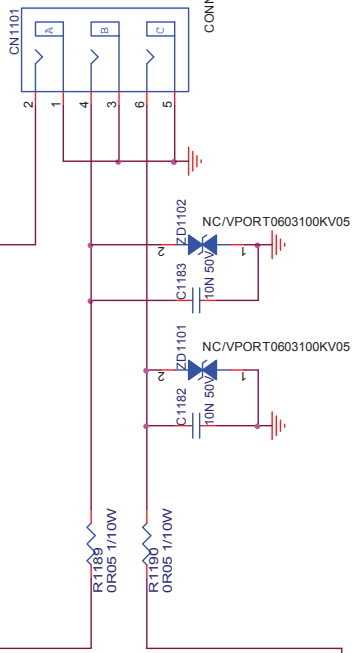
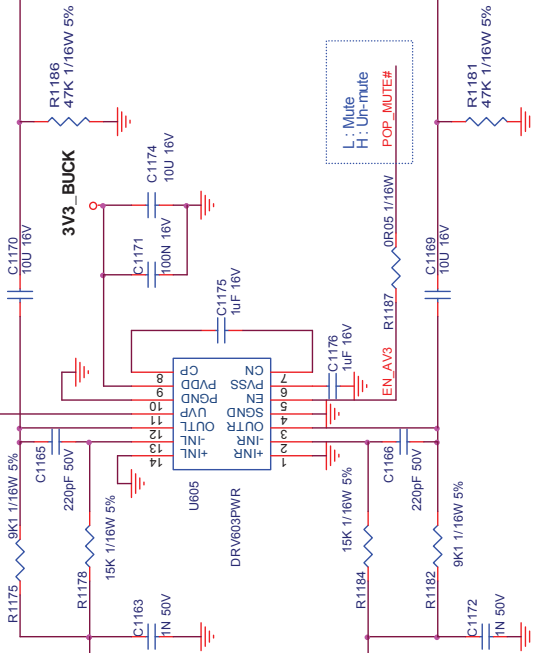
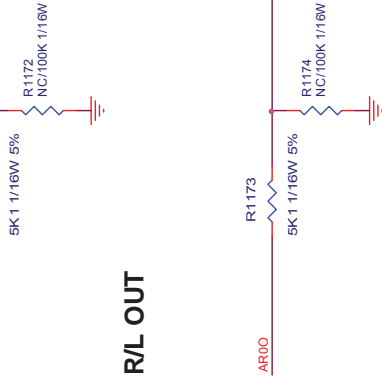
Nearly MT5301



Close MT5301



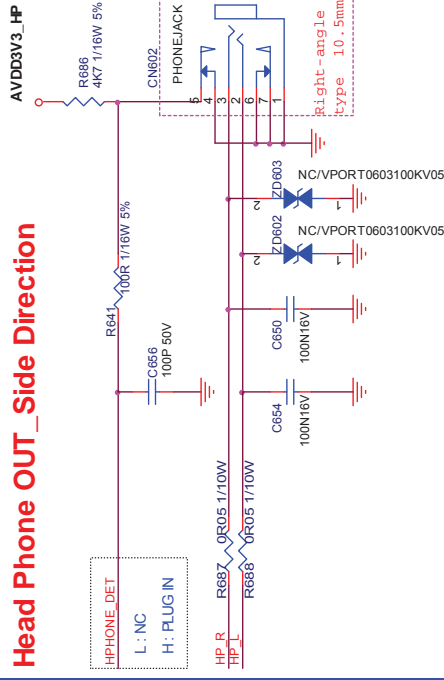
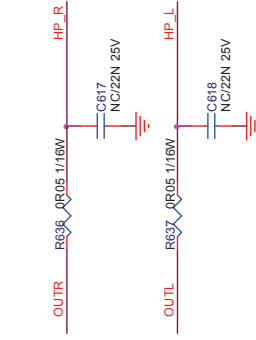
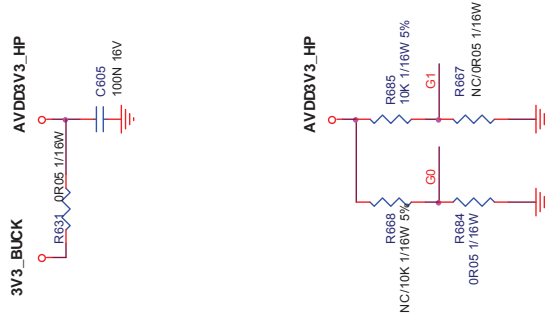
AV_OUT



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
底隔瓜鎖	715G4478	Rev	2
Key Component	18. AV Out (rear)	PCB NAME	HW4
Date	Tuesday, December 21, 2010	Sheet	18 of 26

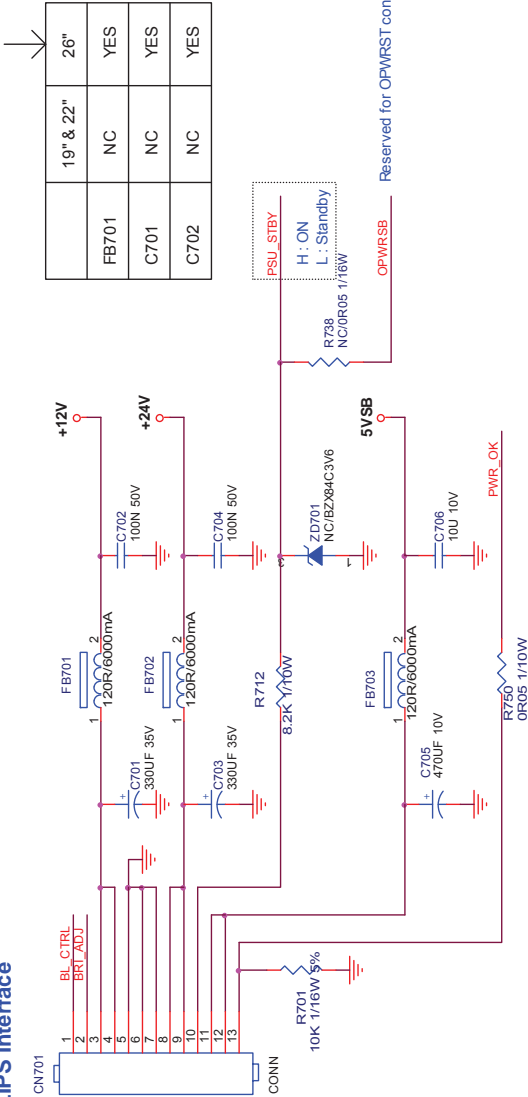
4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24

H/Phone_Out (R/L)



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size
715G4478	TPV MODEL	Rev 2
Key Component	PCB NAME	HW4
19. Head Phone Out		
Date	Sheet	19 of 26
Tuesday, December 21, 2010		

LIPS Interface



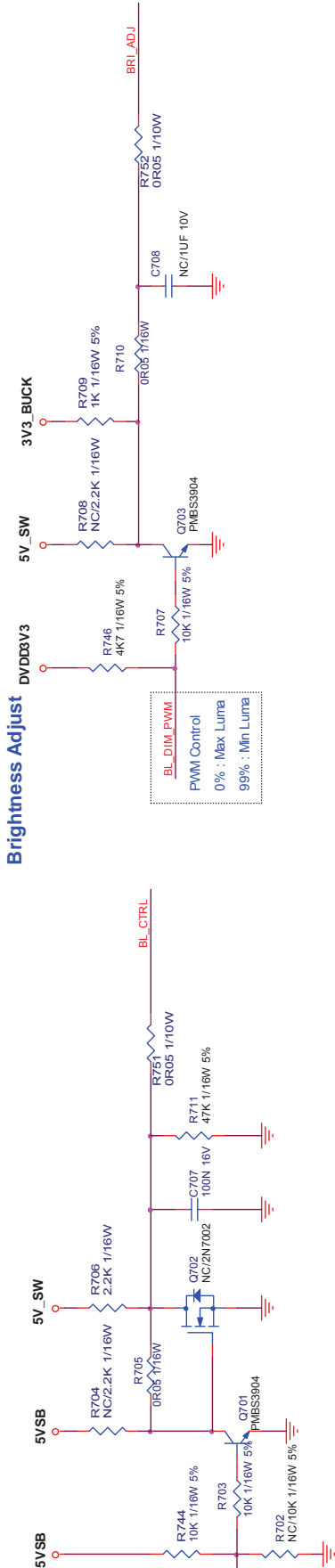
PSU_STBY	<< PSU_STBY	4,22
PWR_OK	>>> PWR_OK	4
BL_DIM_PWM	<<< BL_DIM_PWM	4
BL_ON/OFF#	<<< BL_ON/OFF#	4
OPWRSB	<<< OPWRSB	4,23

	19" & 22"	26"
FB701	NC	YES
C701	NC	YES
C702	NC	YES

PSU_STBY
H : ON
L : Standby

Reserved for OPWRST control PSU_STBY

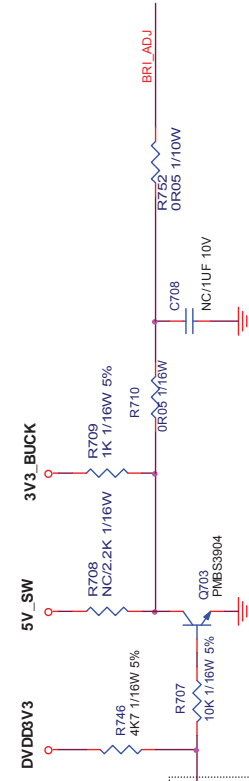
Backlight On/Off



BL_ON/OFF#
L : BL_ON
H : BL_OFF

BL_DIM_PWM
PWM Control
0% : Max Luma
99% : Min Luma

Brightness Adjust

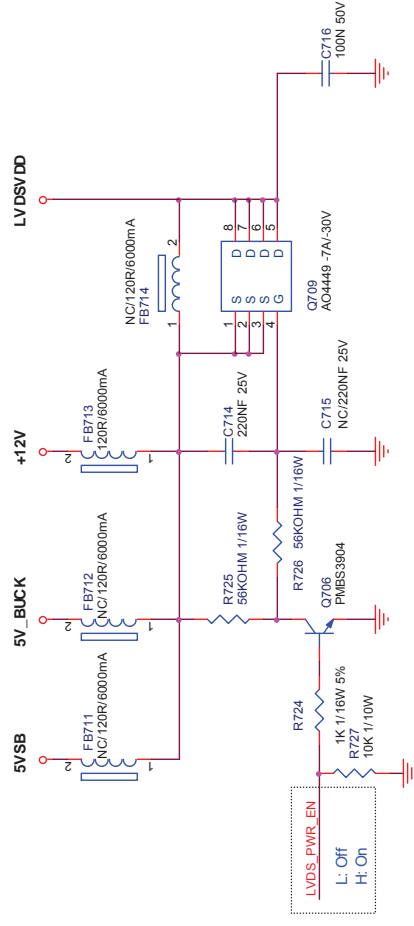


4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,24



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
715G4478	TPV MODEL	Rev	2
Key Component	PCB NAME		
21. PSU & Inverter I/F	715G4478		
Date	Sheet	21	of 26
			称参
			HW4

Panel Logic Power Control

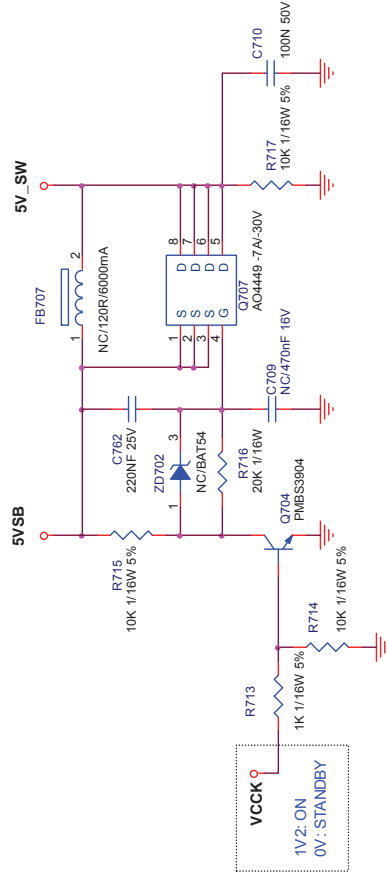


	19" & 22"	26"
FB713	NC	YES
FB712	NC	NC
FB711	YES	NC

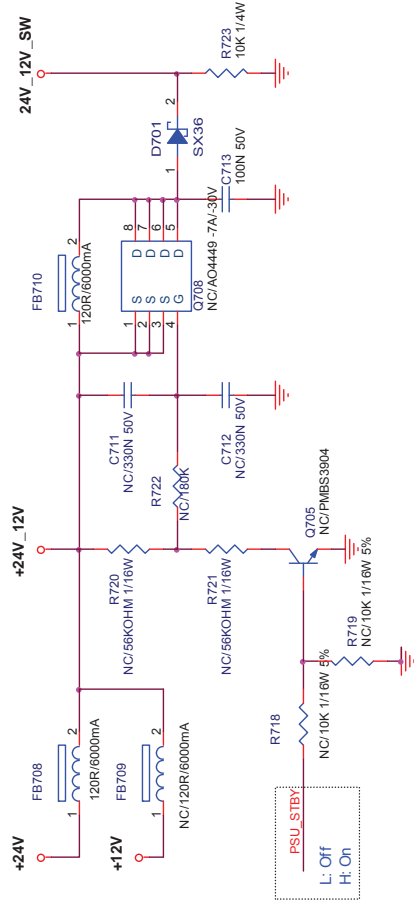
LVDS_PWR_EN << LVDS_PWR_EN 4

PSU_STBY << PSU_STBY 4.21

System Power Control



Post Amp Power Control



4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23,24



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
715G4478	TPV MODEL	715G4478	Rev 2
Key Component	PCB NAME	715G4478	HW4
22 Popwer MOSFET Switch	Sheet	22 of 26	称参
Tuesday, December 21, 2010	Date		



STBY Power : 3V3SB

5VSB

120R/3000mA

FB227

L705 G903T63UF

VIN VOUT

1 2

3

120R/3000mA

FB228

1 2

120R/3000mA

Vout=Fixed 3.3V

C750 1UFB 10V

C751 10U 16V

C752 10U 16V

3V3SB

SoC_XTAL = 80 mA; SoC_3V3_STBC = 30 mA; Total = 110 mA.

Analog Power : AVDD1V2

5V_SW

FB729
120R/3000mA

R747
1K 1% 5%

C754
10N 50V

U706 SC189ASK1RT

VIN LX

EN

R749
2K 1%

C755
10N 50V

R748
10K +/-1%

FB730
120R/3000mA

C766
10U 16V

AVDD1V2

$V_o = 1 + (R749/R748)$
 $V_1 = 1 + (2/10) = 1.2$
 $SoC_AVDD1V2 = 400\text{ mA}$

C753 close to U706 pin1 & 2

Demod 3V3 Power : V3.3

5V_SW

U707
NC/G903T63UF

FB731
NC/T20R/3000mA

FB732
NC/T20R/3000mA

C756
NC/10UF

C757
NC/10U 16V

C758
NC/10U 16V

VOUT=Fixed 3.3V

V3.3

Demod_3V3 = 85mA.

[illegible]

Reserved for MEMC power, Link to page 7

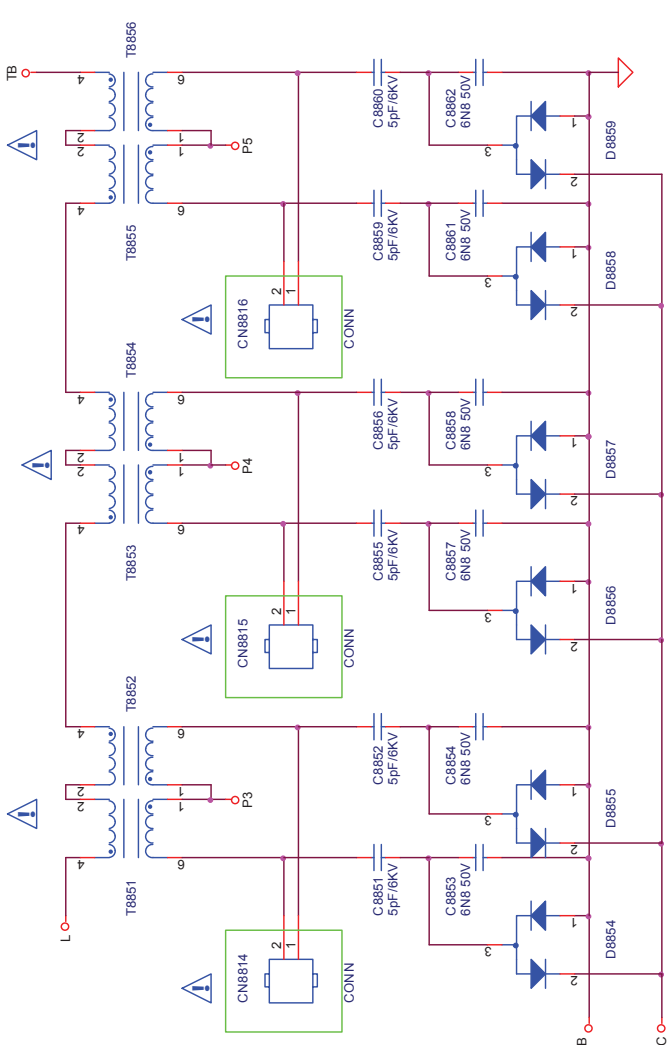
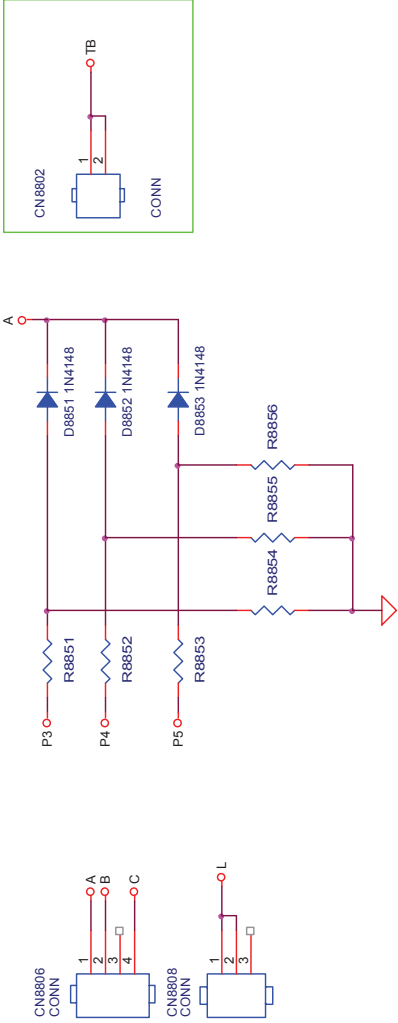
4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23



6.2 电源板
32PFL3200/T3 715G4831



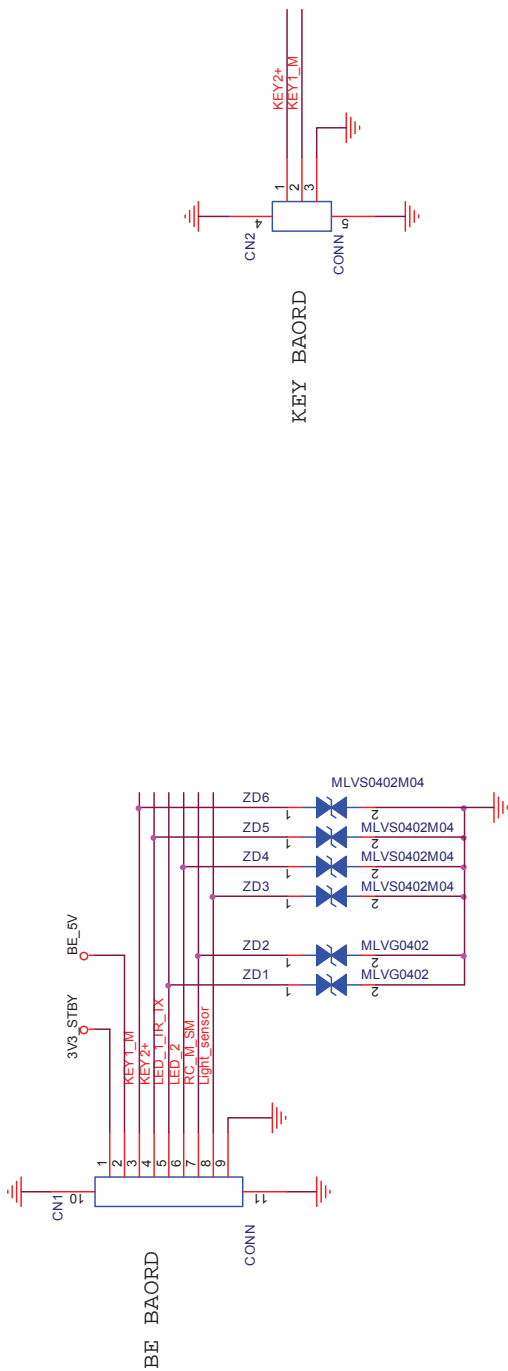
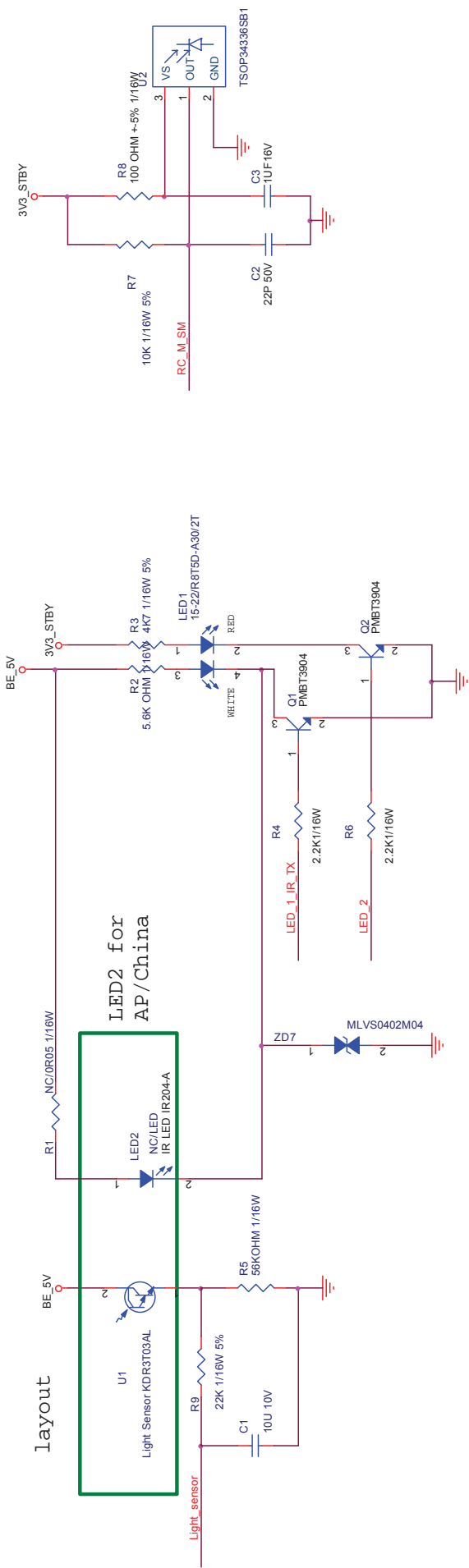
42PFL3500/T3 715G3967



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	Size	B
經銷商編號	G3967-P08-00-X-1-100121	TPV MODEL	Rev	B
Key Component	01.INVERTER	PCB NAME	715G3967	BBY MODEL
Date	Wednesday, January 20, 2010	Sheet	1 of 1	



6.4 遥控板
715G3866



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	TOP	Size	B
話 隔 瓜 鋼 膜	TPV MODEL		Rev	1
Key Component	PCB NAME		你 爹	<你爹>
Date	Monday, May 03, 2010	Sheet	1 of 1	

