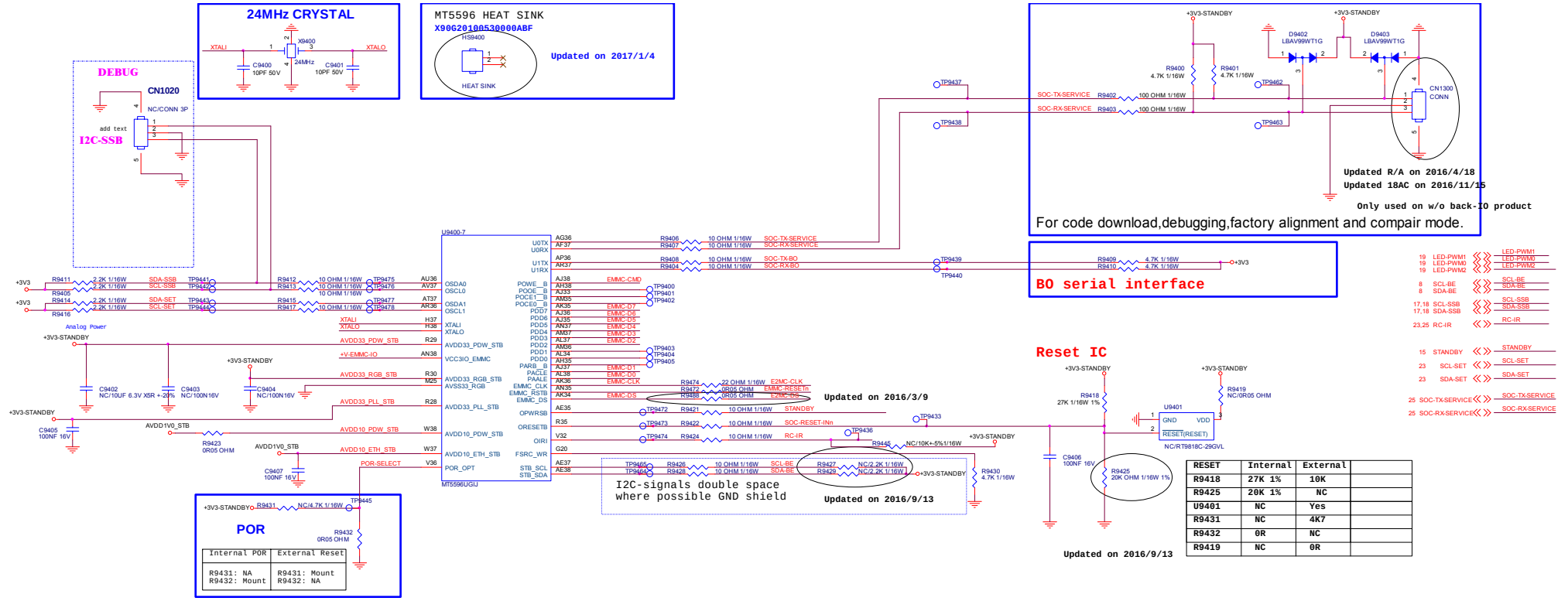
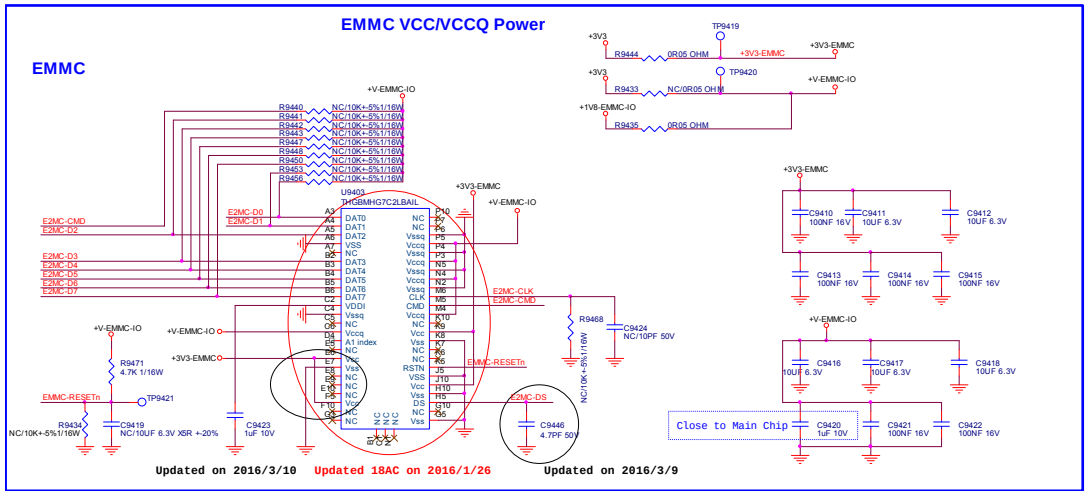
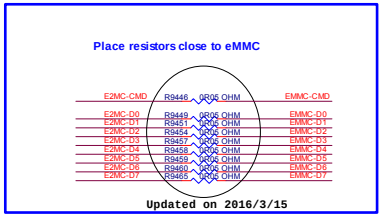
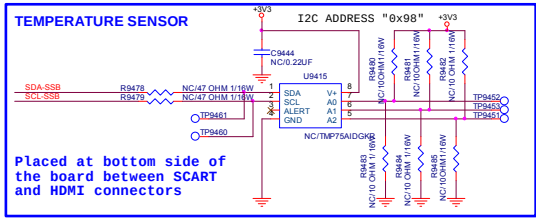
8.6 B 715G8465 SSB(For 55” POS9002 Series)

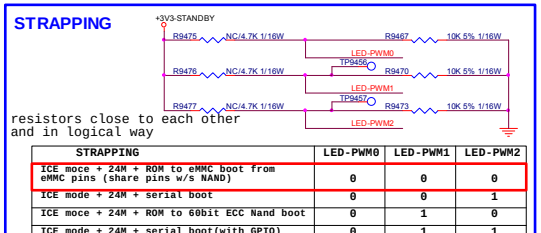
8-6-1 SOC-EMMC



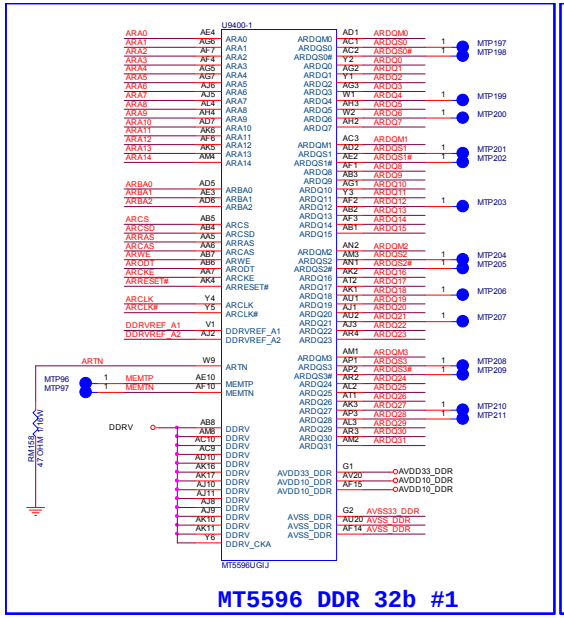


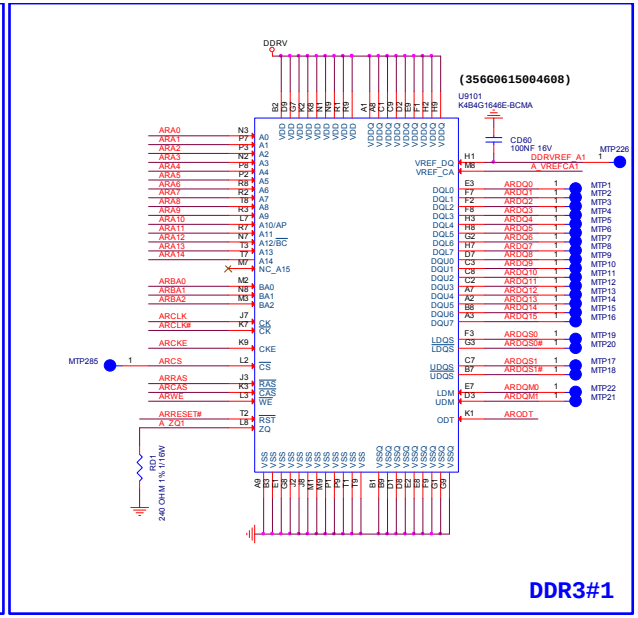


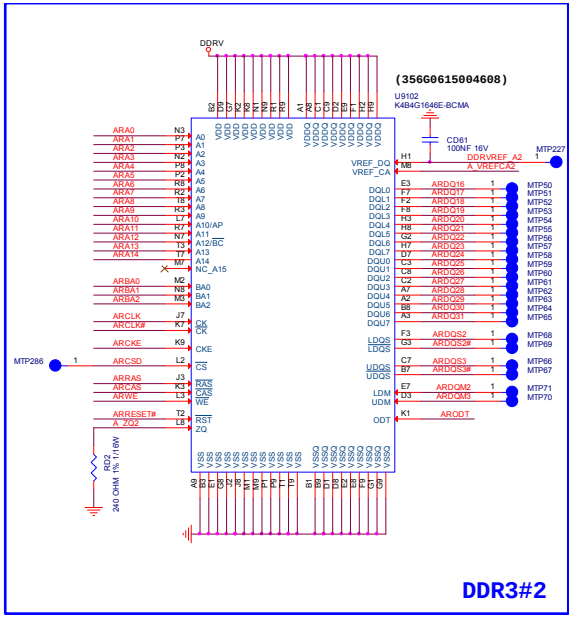


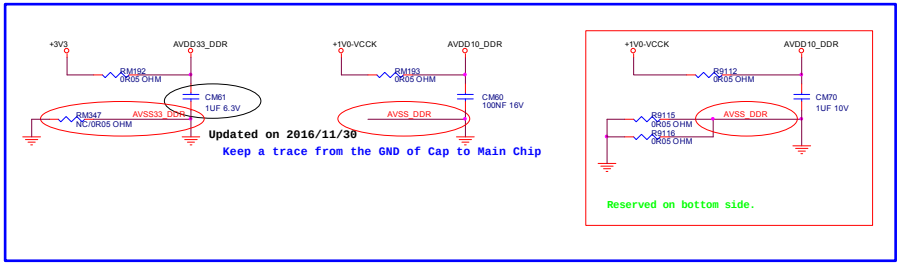


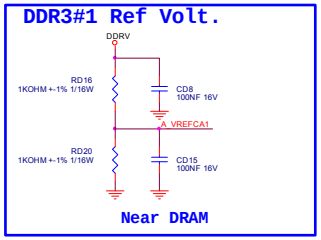
8-6-2 SOC-DDR3-1-2

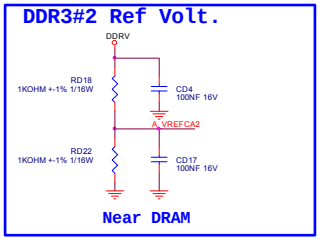


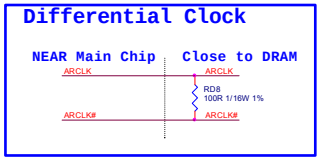


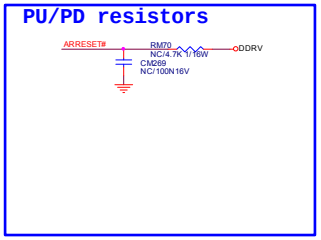


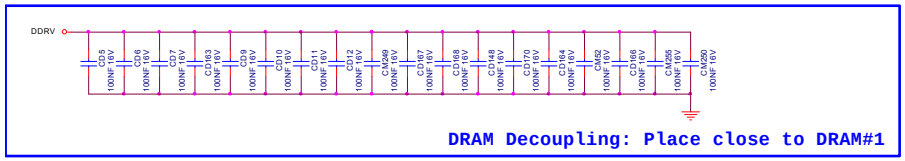


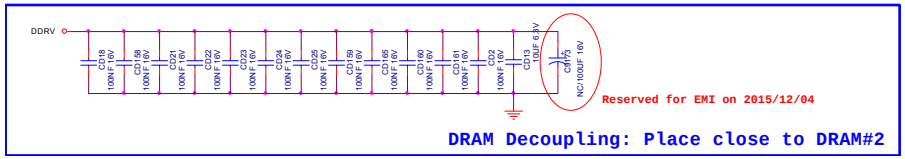




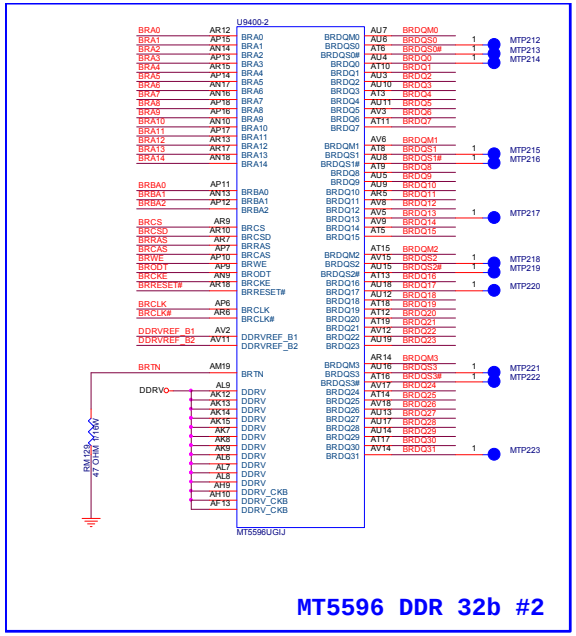


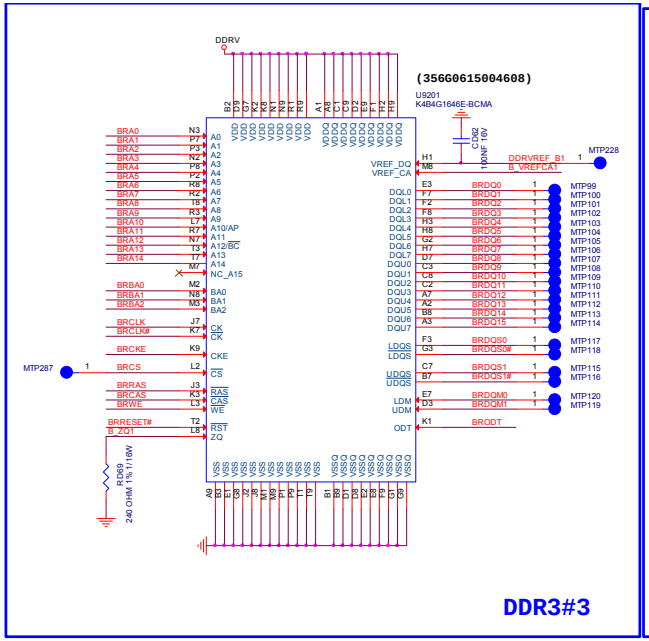


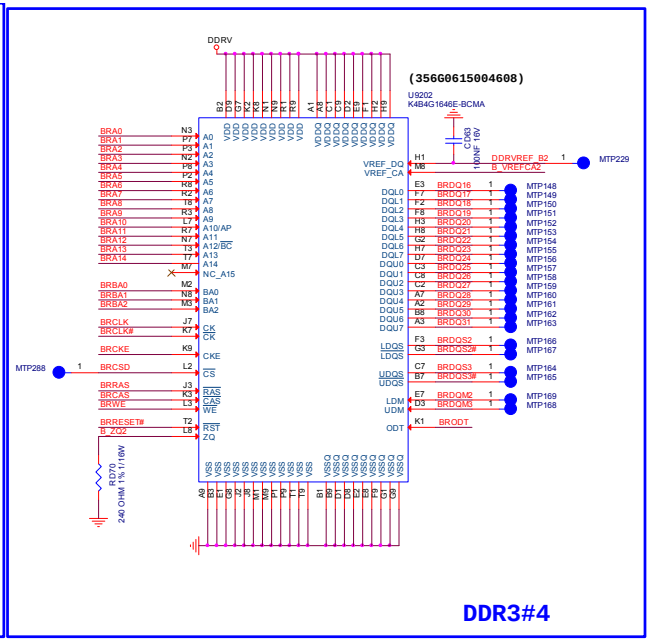


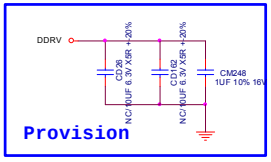


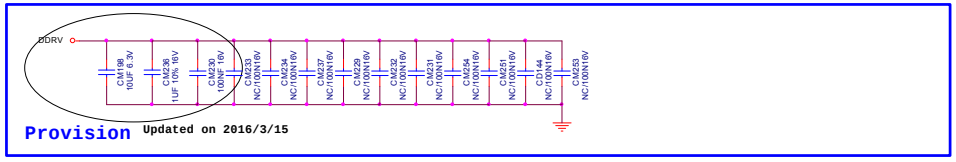
8-6-3 SOC-DDR3-3-4

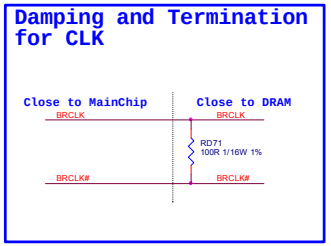


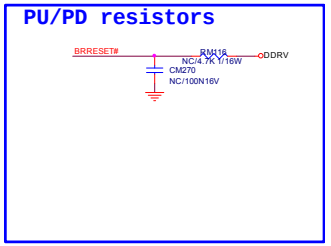


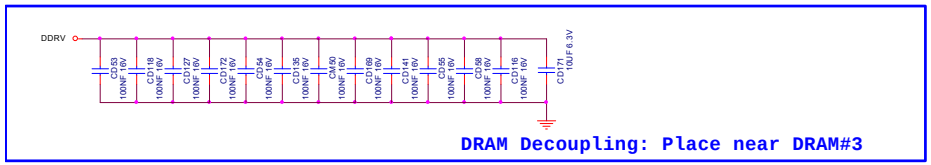


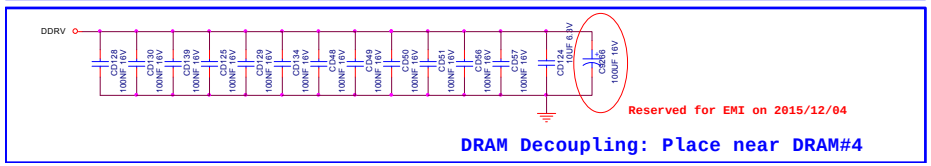


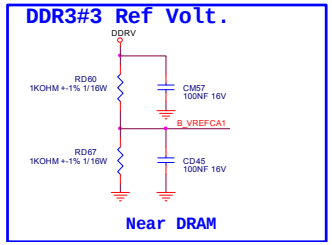


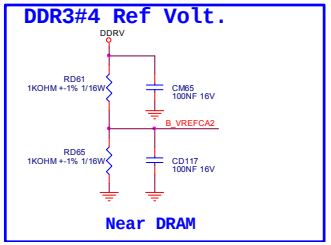




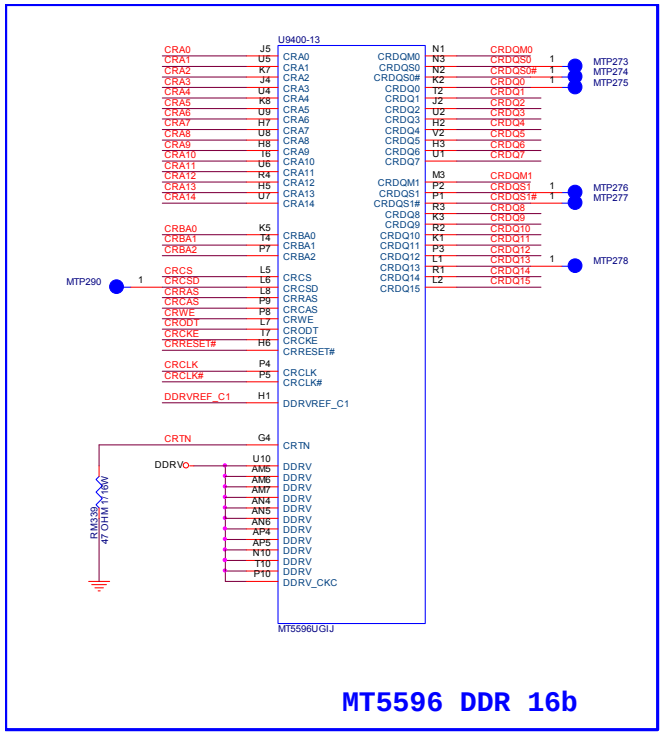




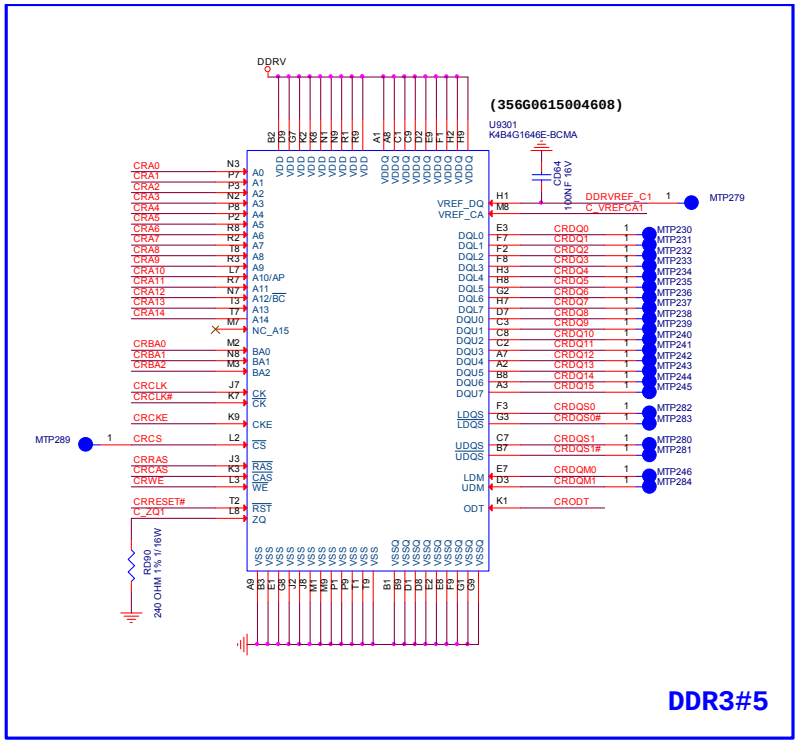




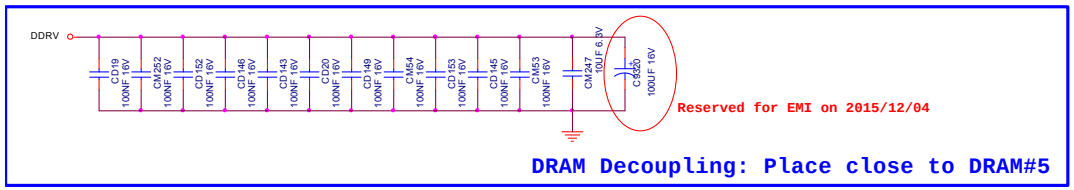
8-6-4 SOC-DDR3-5



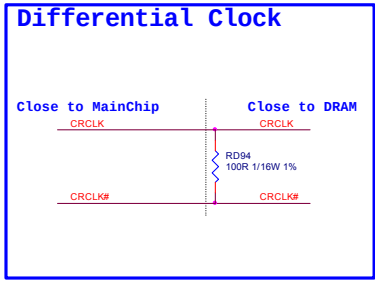
MT5596 DDR 16b

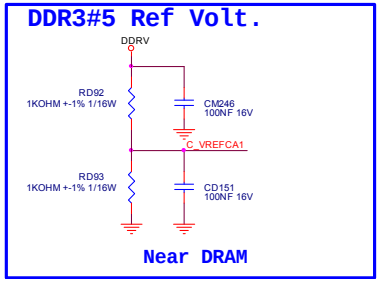


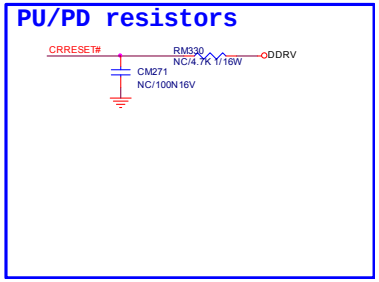
DDR3#5



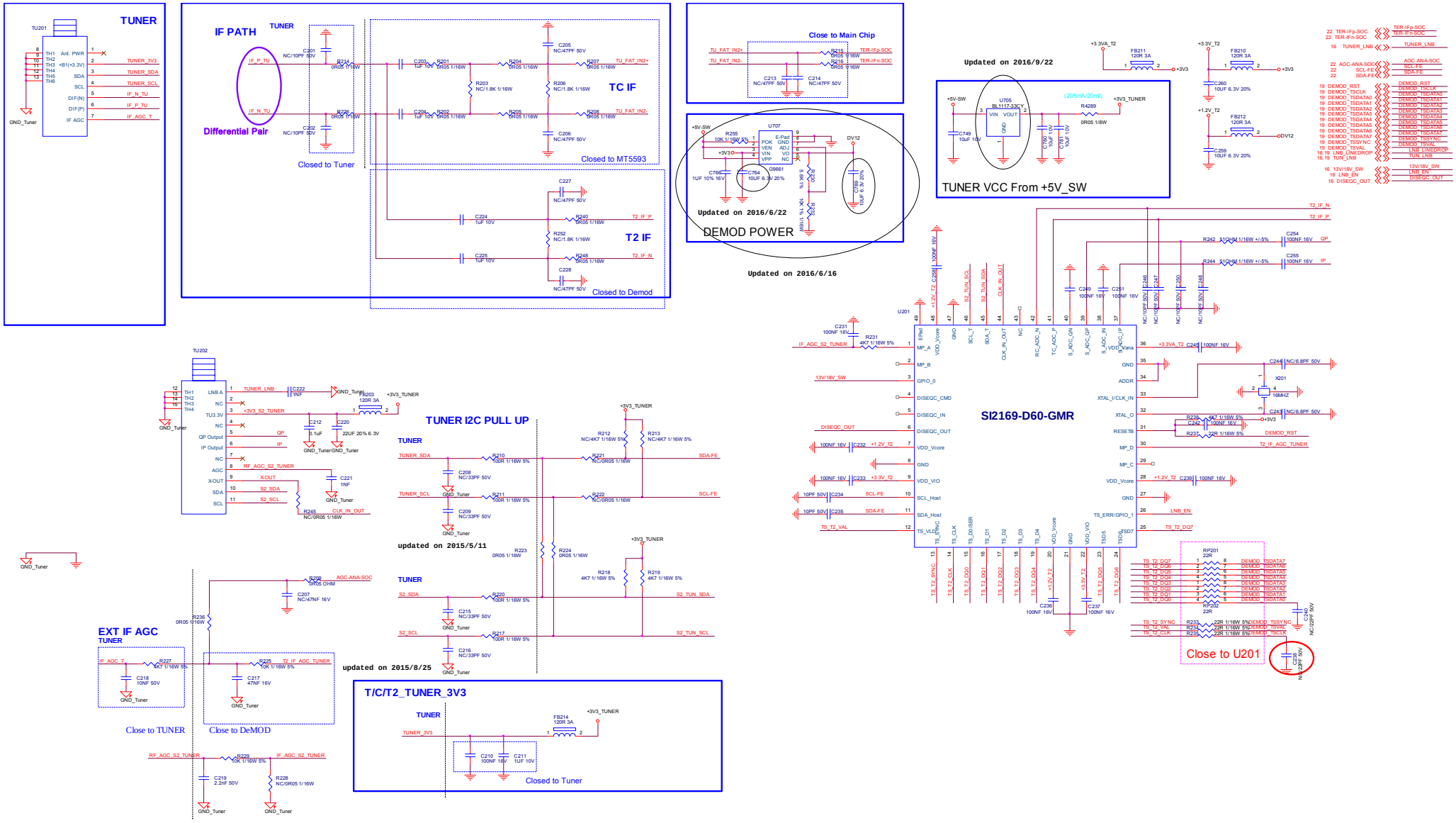
DRAM Decoupling: Place close to DRAM#5





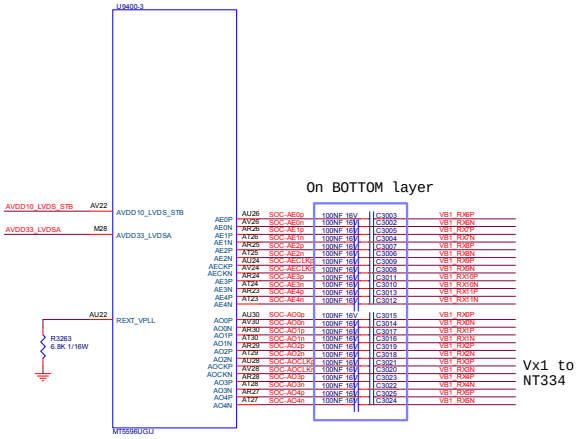


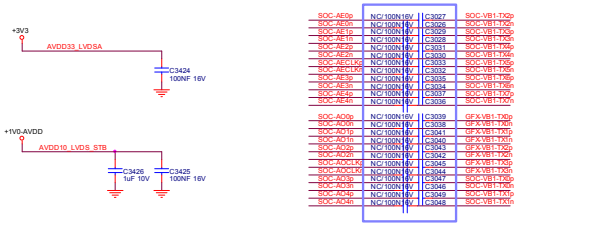
8-6-5 FE-TUNER-DEMOD-TPV



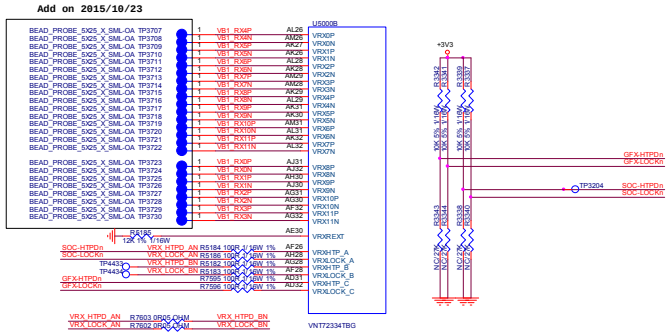
8-6-6 BE-NT7234a-Vx1-INPUT

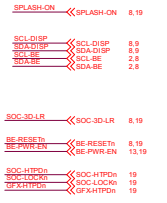
MT5596 Vx1 OUTPUT

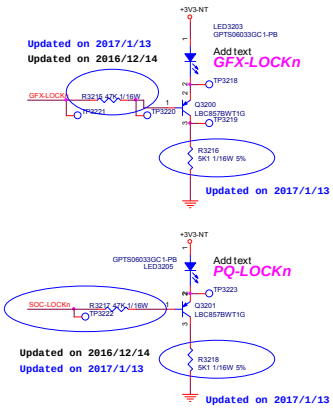




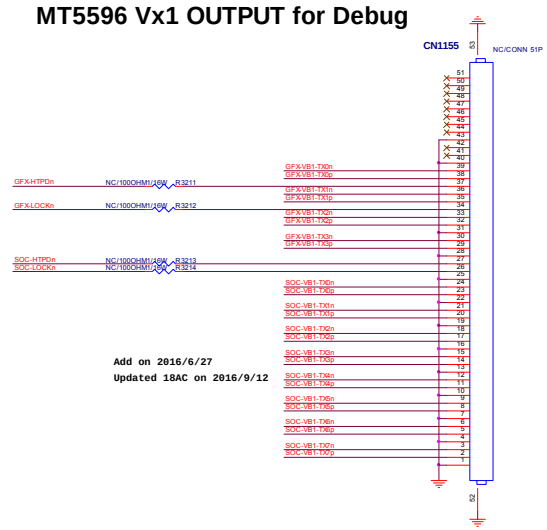
NT334 Vx1 INPUT





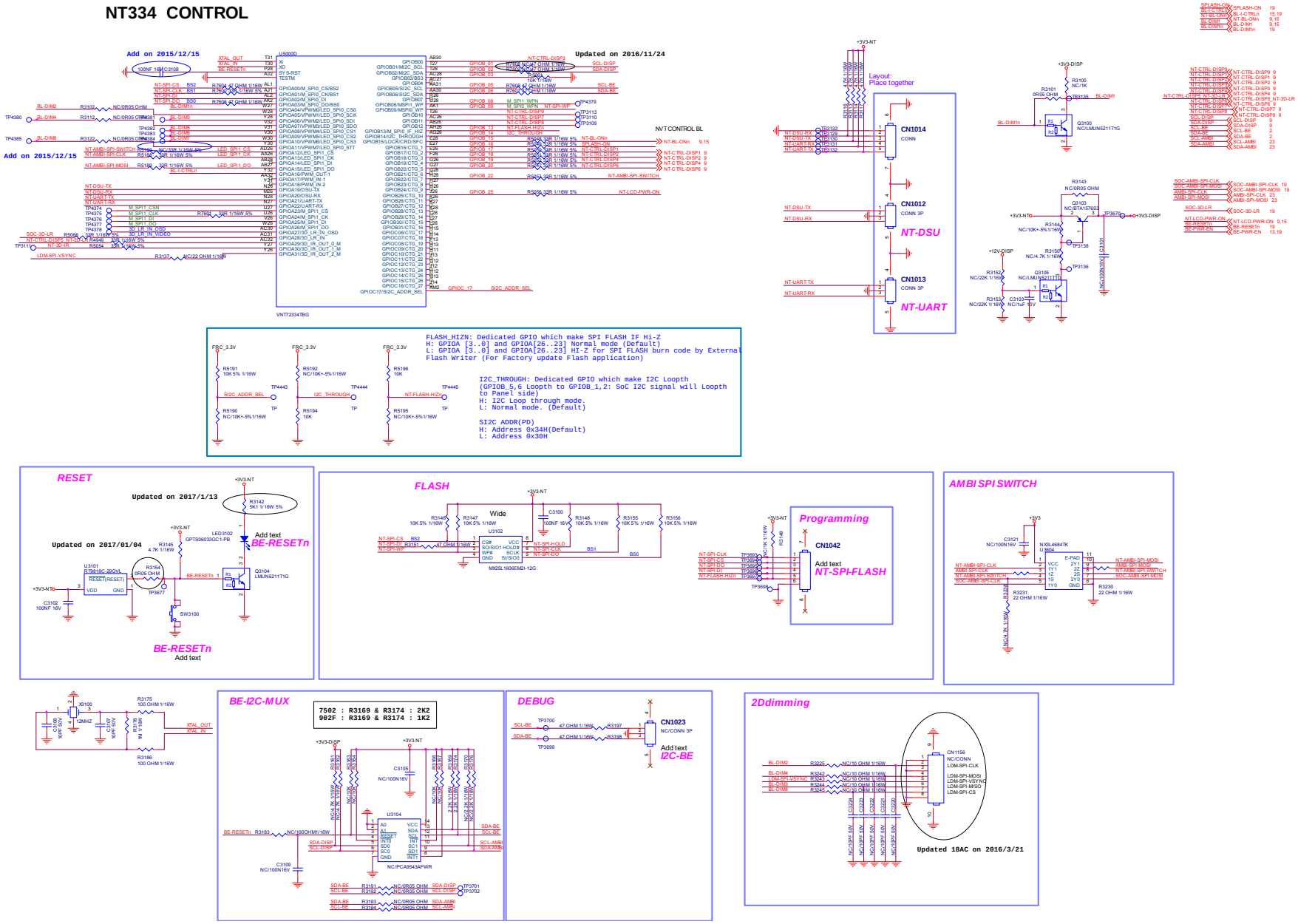


MT5596 Vx1 OUTPUT for Debug

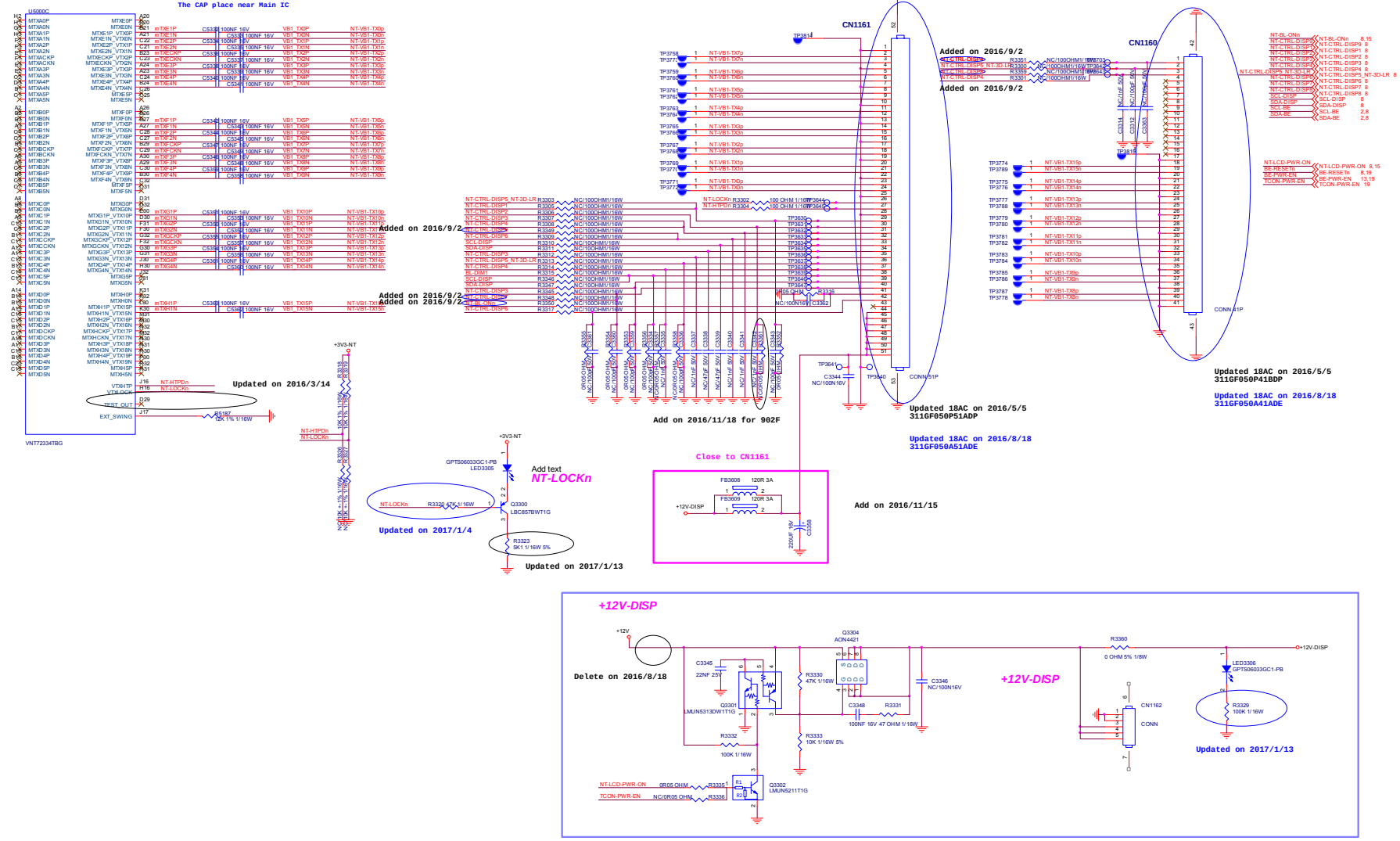


8-6-7 BE-NT7234b-GPIO

NT334 CONTROL

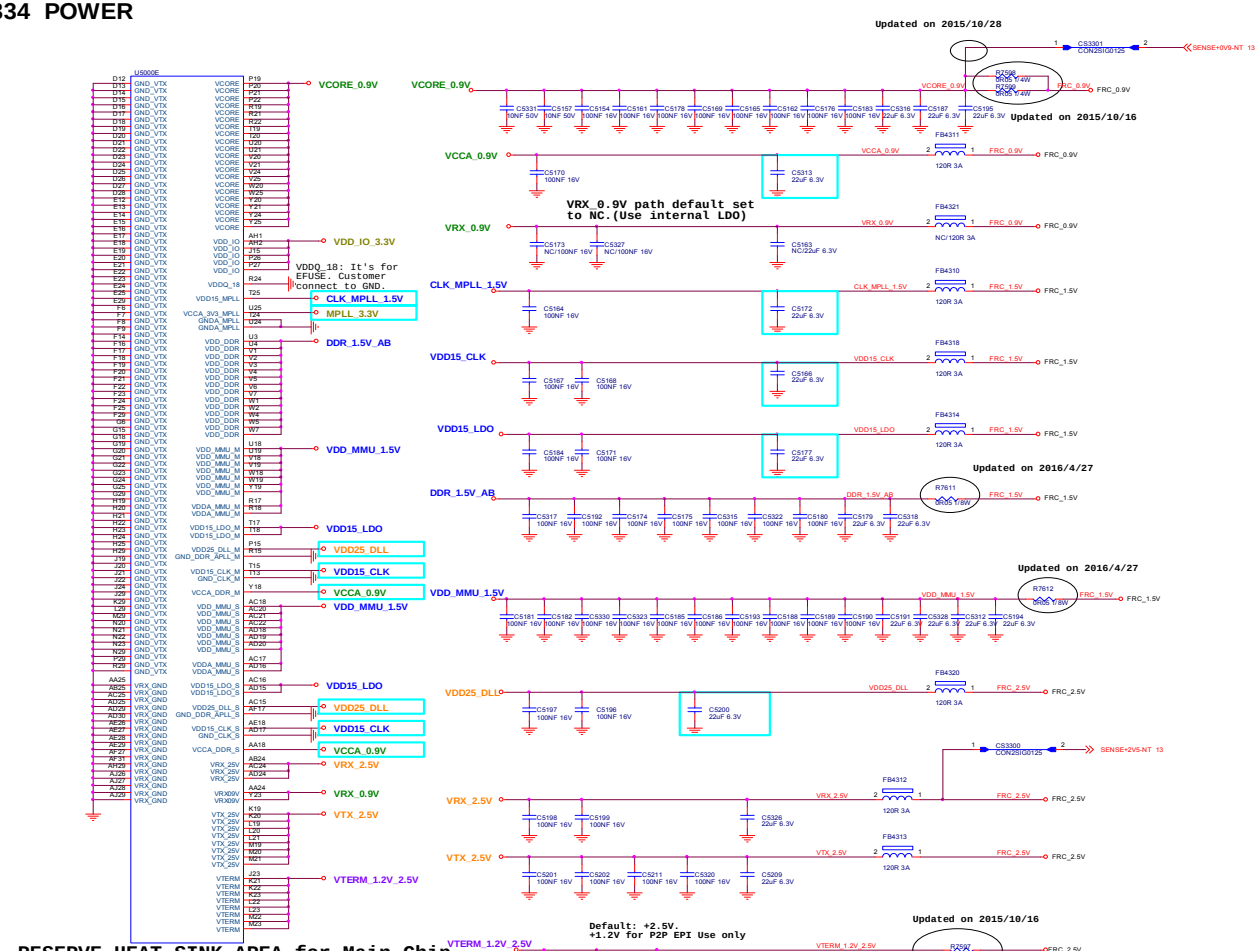


NT334 V-BY-1 OUTPUT

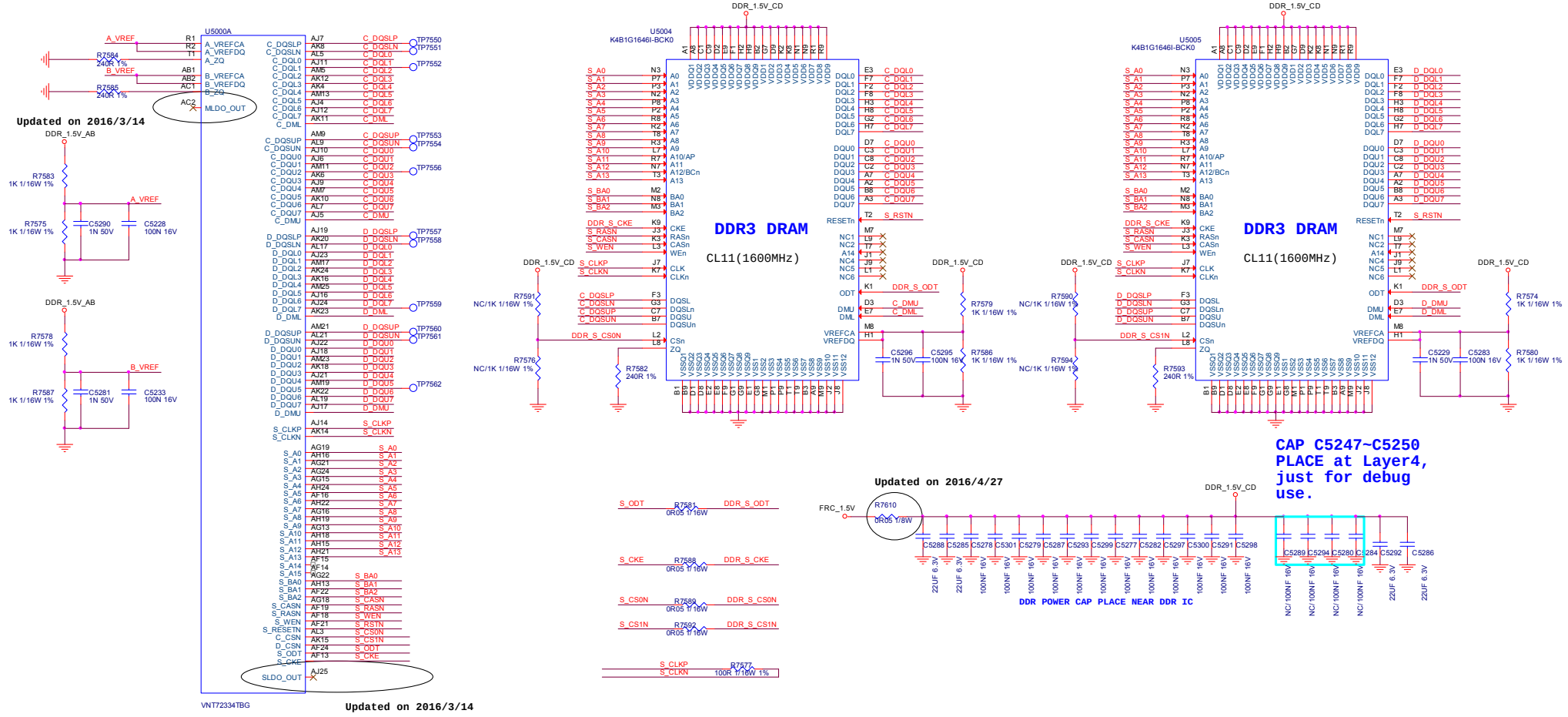


8-6-9 BE-NT7234d-POWER

NT334 POWER

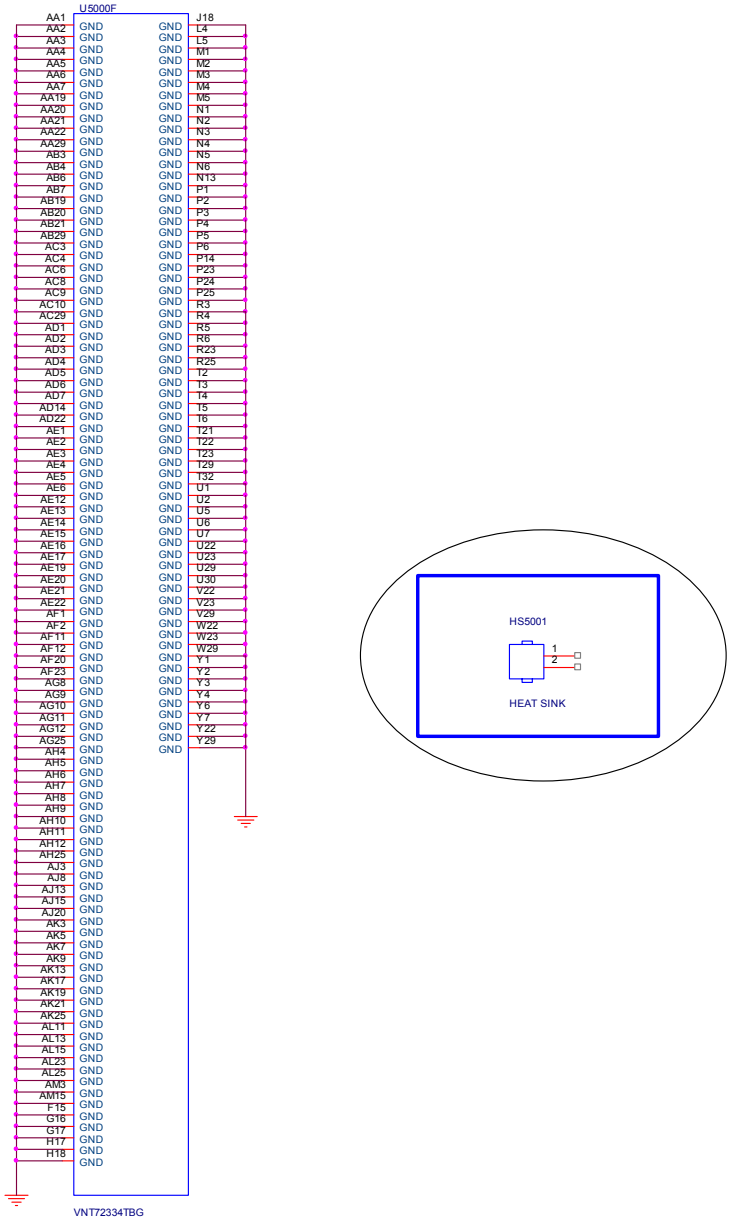


NT334 DDR A-B

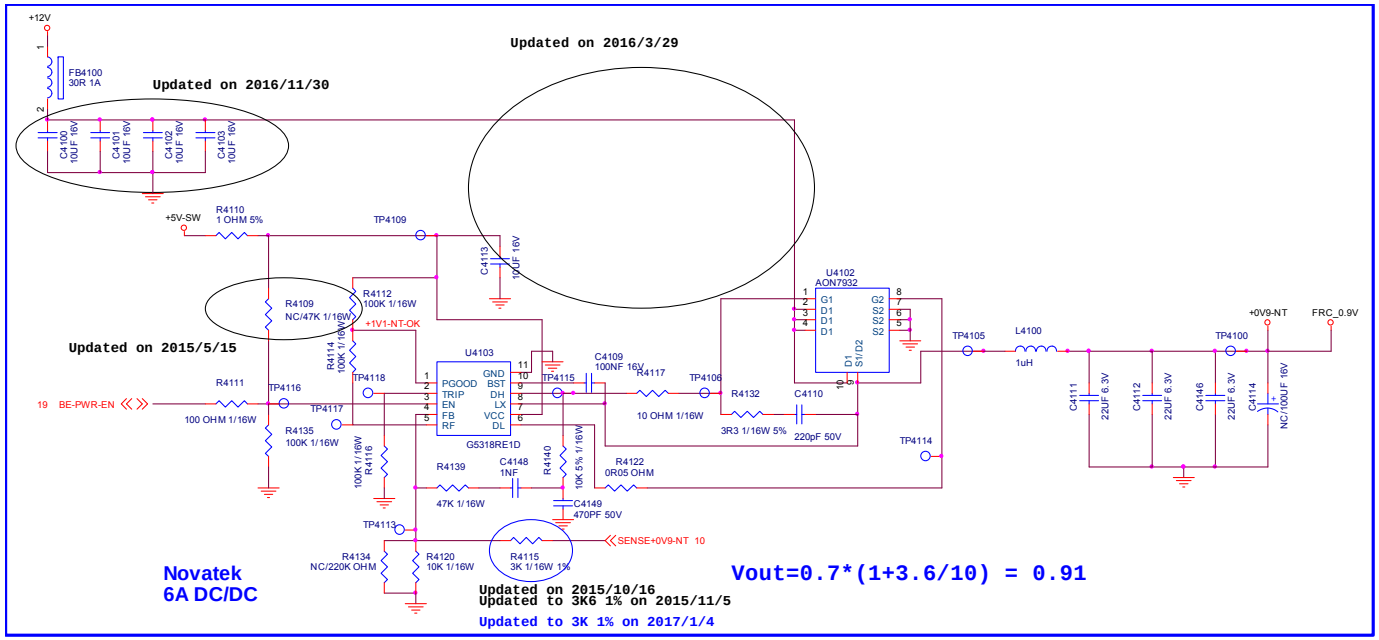

U5000A
VNT72334TBG
A_VREF
B_VREF
R7584 240R 1%
R7585 240R 1%
MLDO_OUT
SLDO_OUT
Updated on 2016/3/14
DDR_1.5V_AB
R7583 1K 1/16W 1%
R7575 1K 1/16W 1%
C5290 1N 50V
C5228 100N 16V
R7578 1K 1/16W 1%
R7587 1K 1/16W 1%
C5281 1N 50V
C5233 100N 16V
U5004
K4B1G1646I-BCK0
U5005
K4B1G1646I-BCK0
DDR_1.5V_CD
DDR3 DRAM
CL11(1600MHz)
R7591 NC/1K 1/16W 1%
R7576 NC/1K 1/16W 1%
R7582 240R 1%
R7579 1K 1/16W 1%
C5296 1N 50V
C5295 100N 16V
R7586 1K 1/16W 1%
R7590 NC/1K 1/16W 1%
R7594 NC/1K 1/16W 1%
R7593 240R 1%
R7574 1K 1/16W 1%
C5229 1N 50V
C5283 100N 16V
R7580 1K 1/16W 1%
DDR_S_ODT
DDR_S_CS0N
DDR_S_CS1N
CAP C5247~C5250 PLACE at Layer4, just for debug use.
Updated on 2016/4/27
FRC_1.5V
R7610 0R05 1/8W
DDR POWER CAP PLACE NEAR DDR IC
R7581 0R05 1/16W
R7588 0R05 1/16W
R7589 0R05 1/16W
R7592 0R05 1/16W
R7577 100R 1/16W 1%
Updated on 2016/3/14

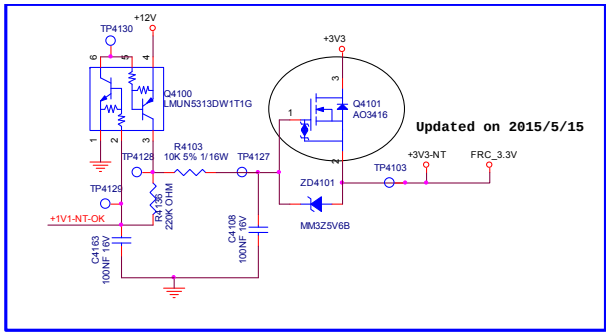
8-6-11 BE-NT7234f- GROUND

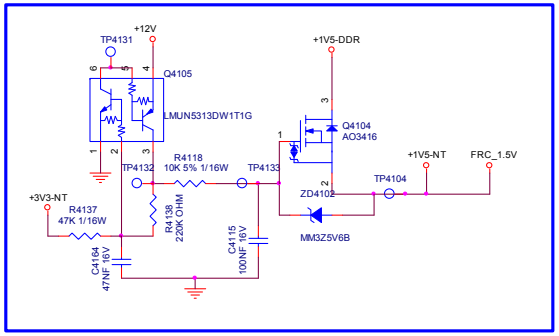
NT334 GROUND

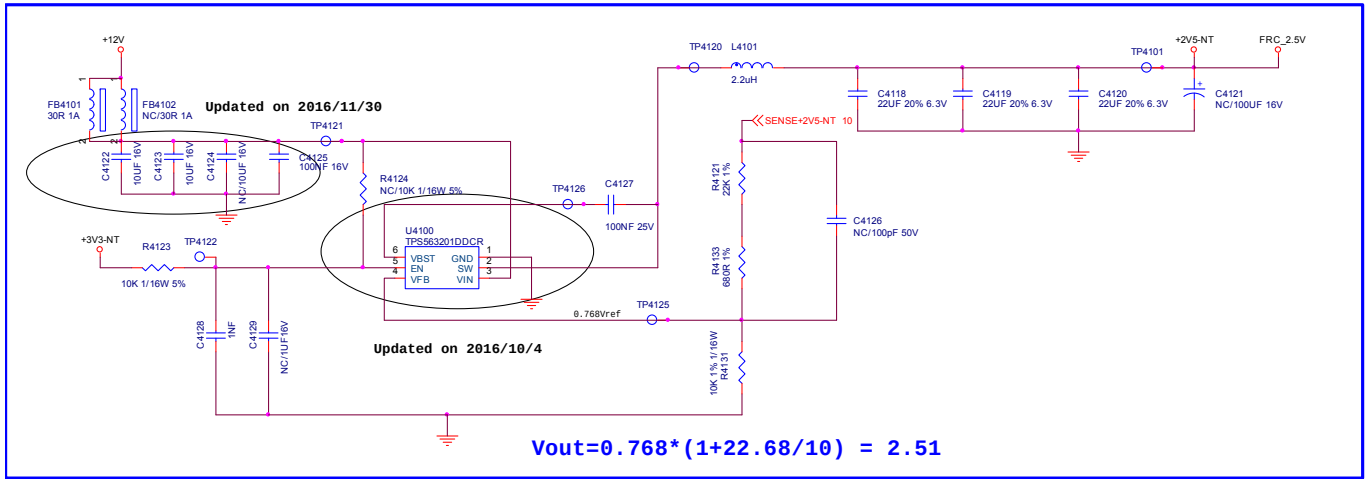


8-6-12 DCDC-Novatek-POWER

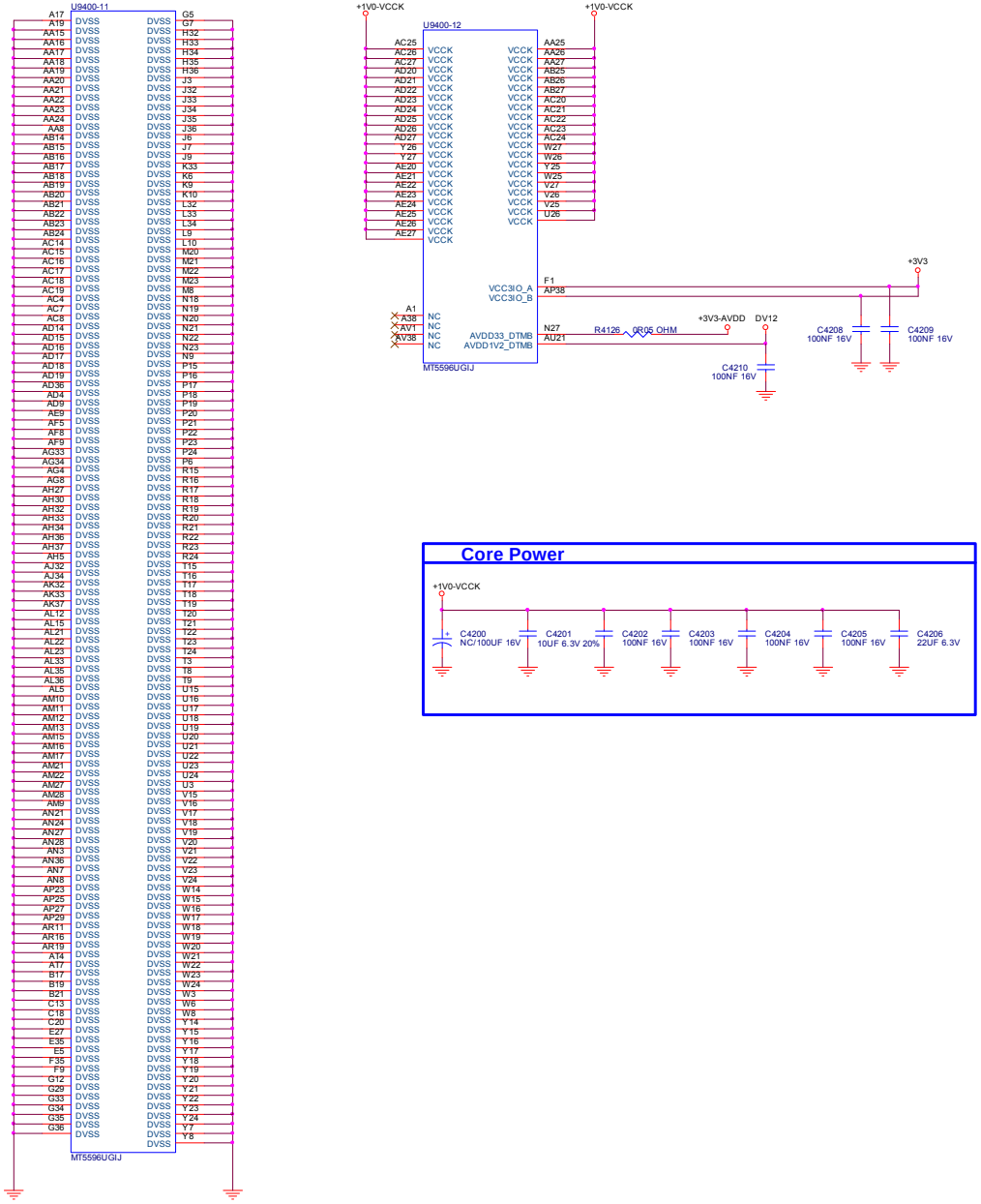




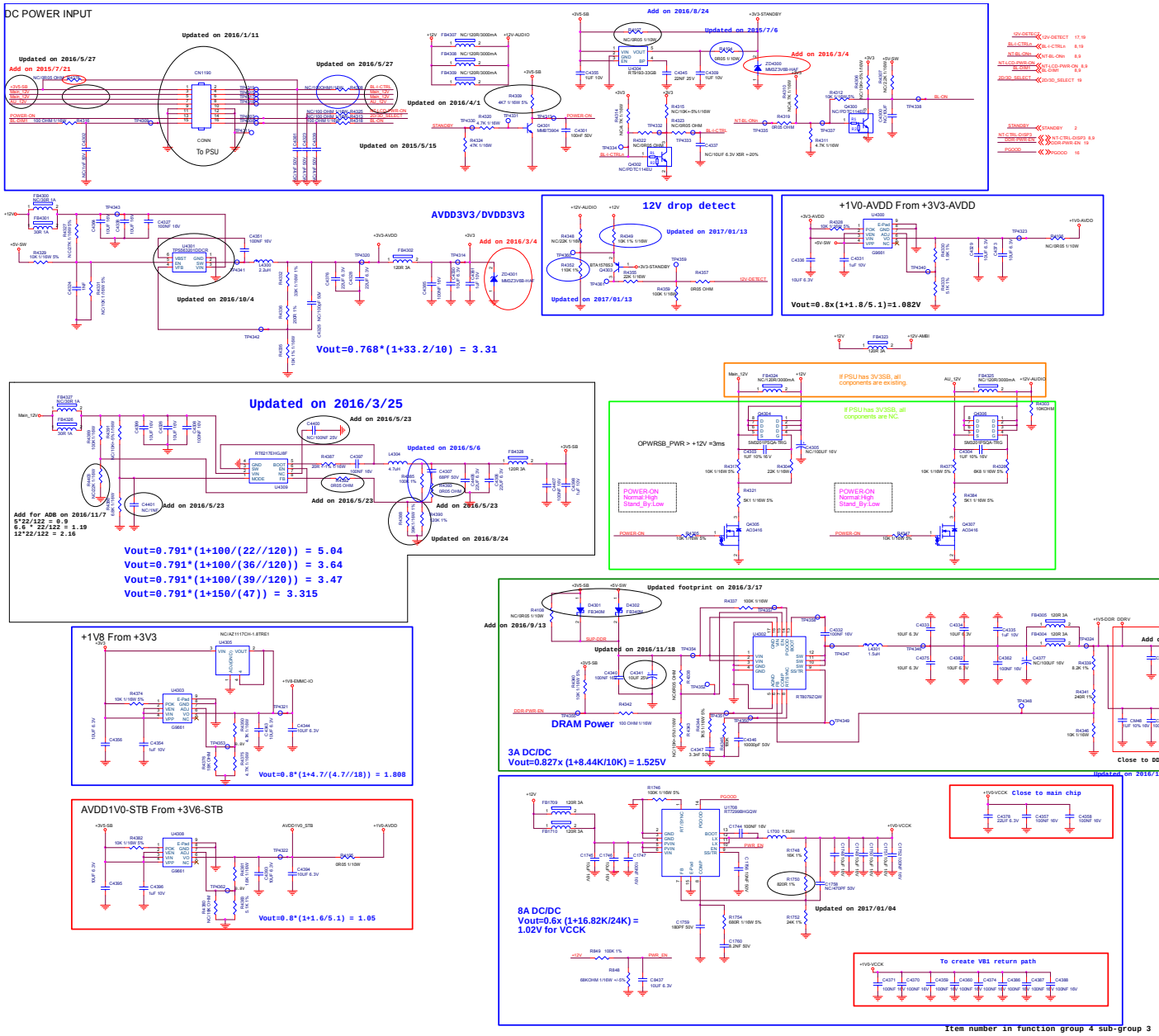




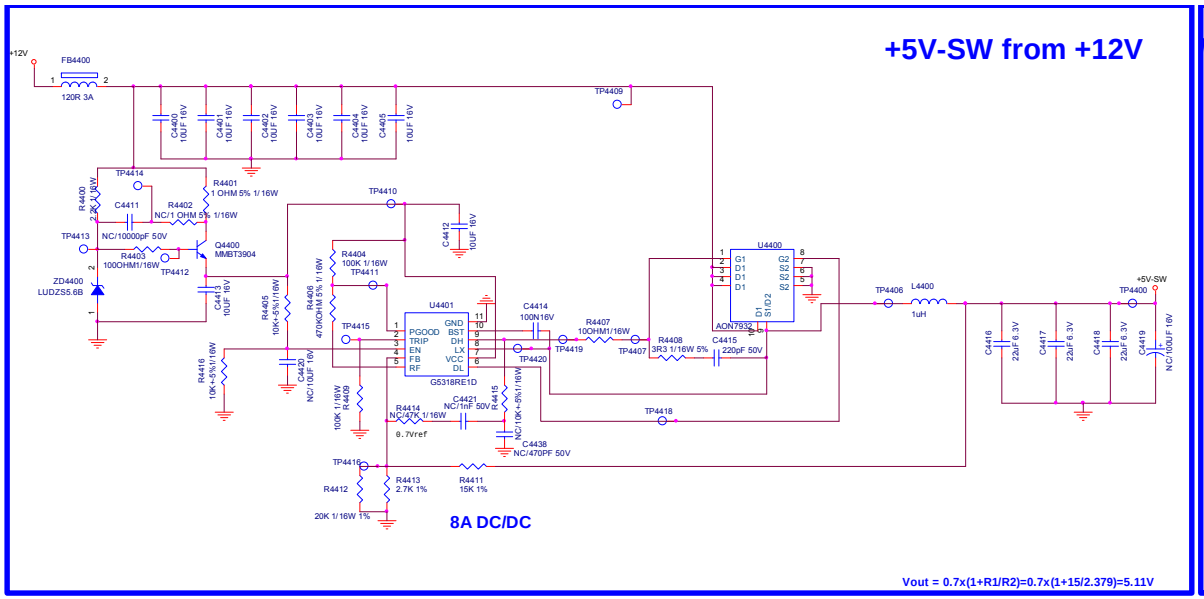
8-6-13 DCDC-SOC-VCCK-DVSS

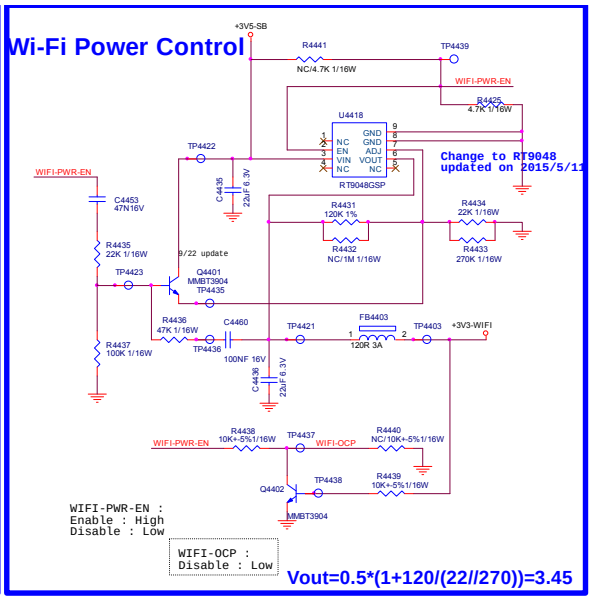


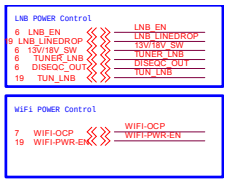
8-6-14 DCDC-SYSTEM-POWER1

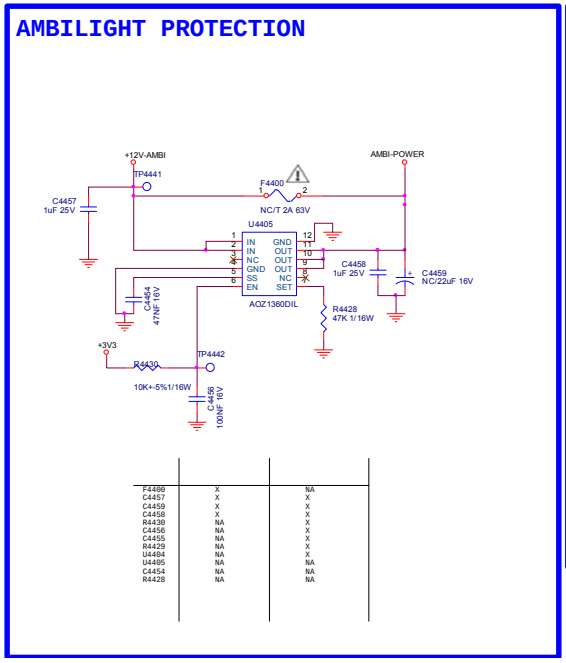


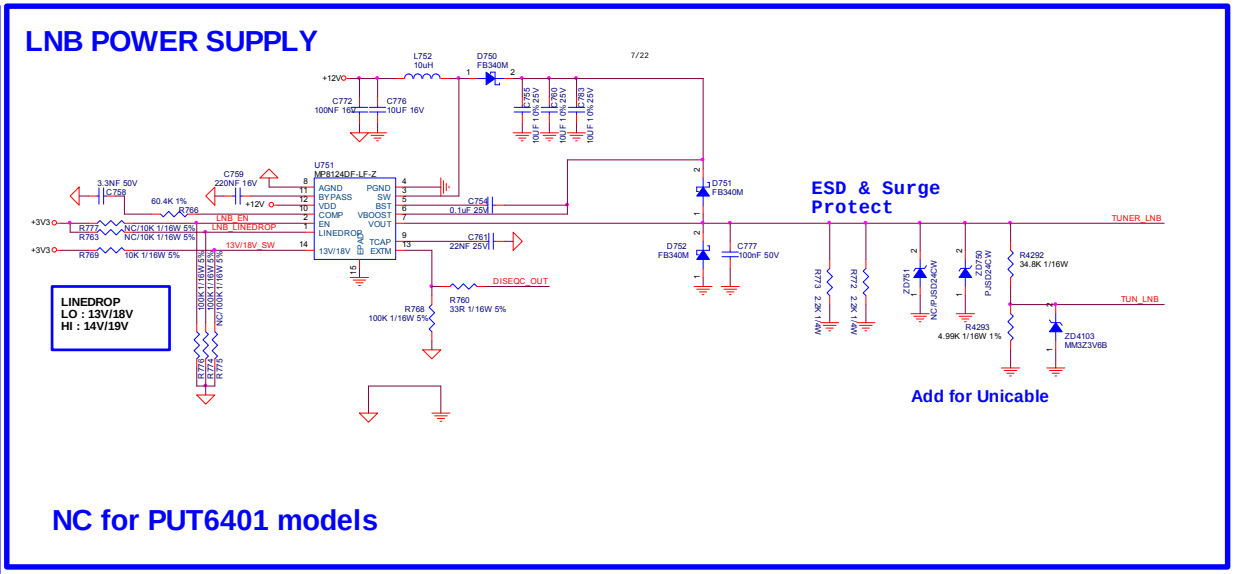
8-6-15 VCCK & DVSS



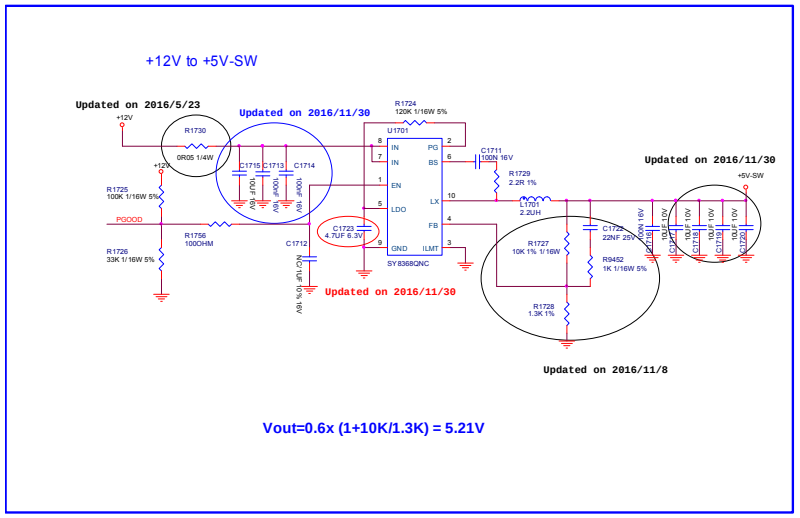


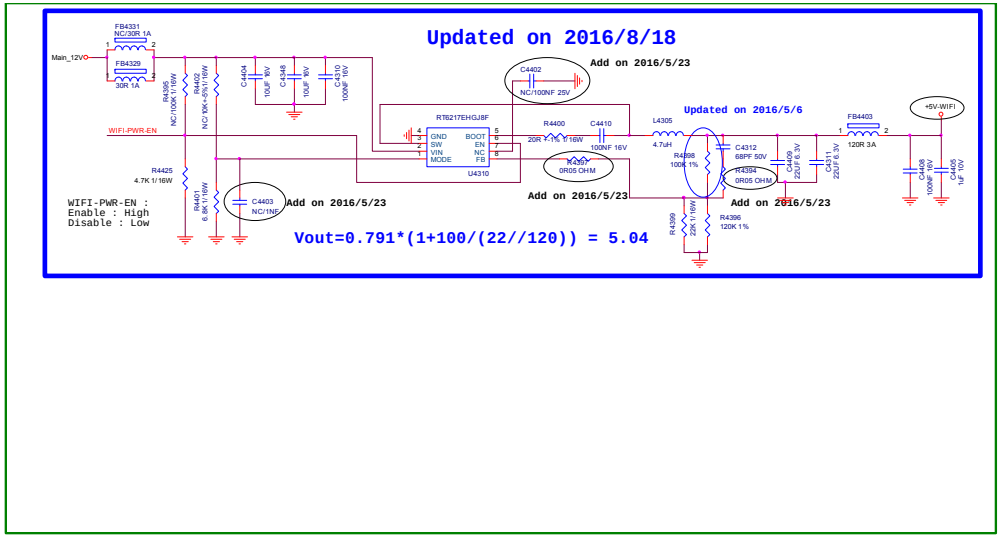


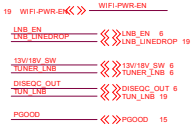


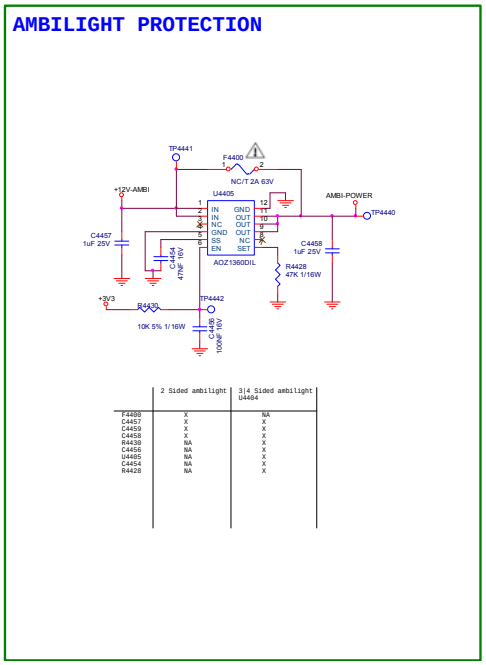


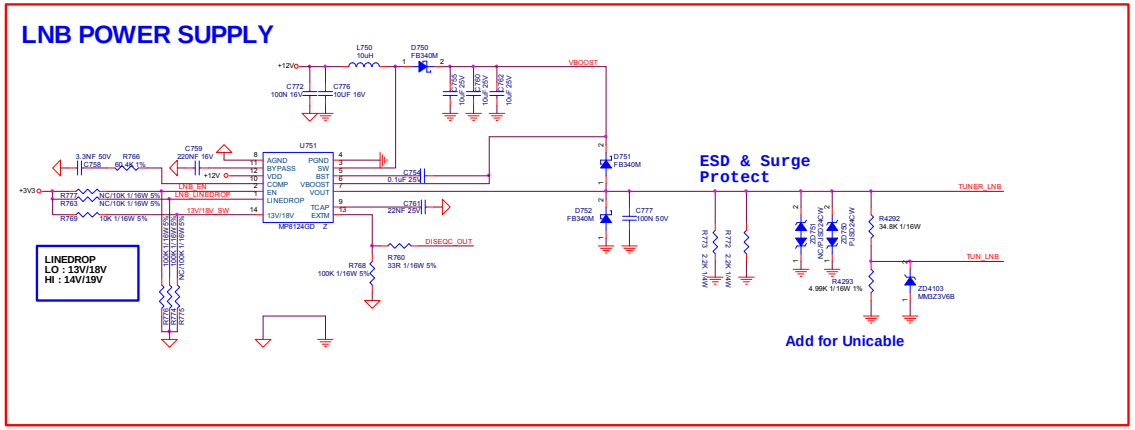
8-6-16 DCDC-SYSTEM-POWER2



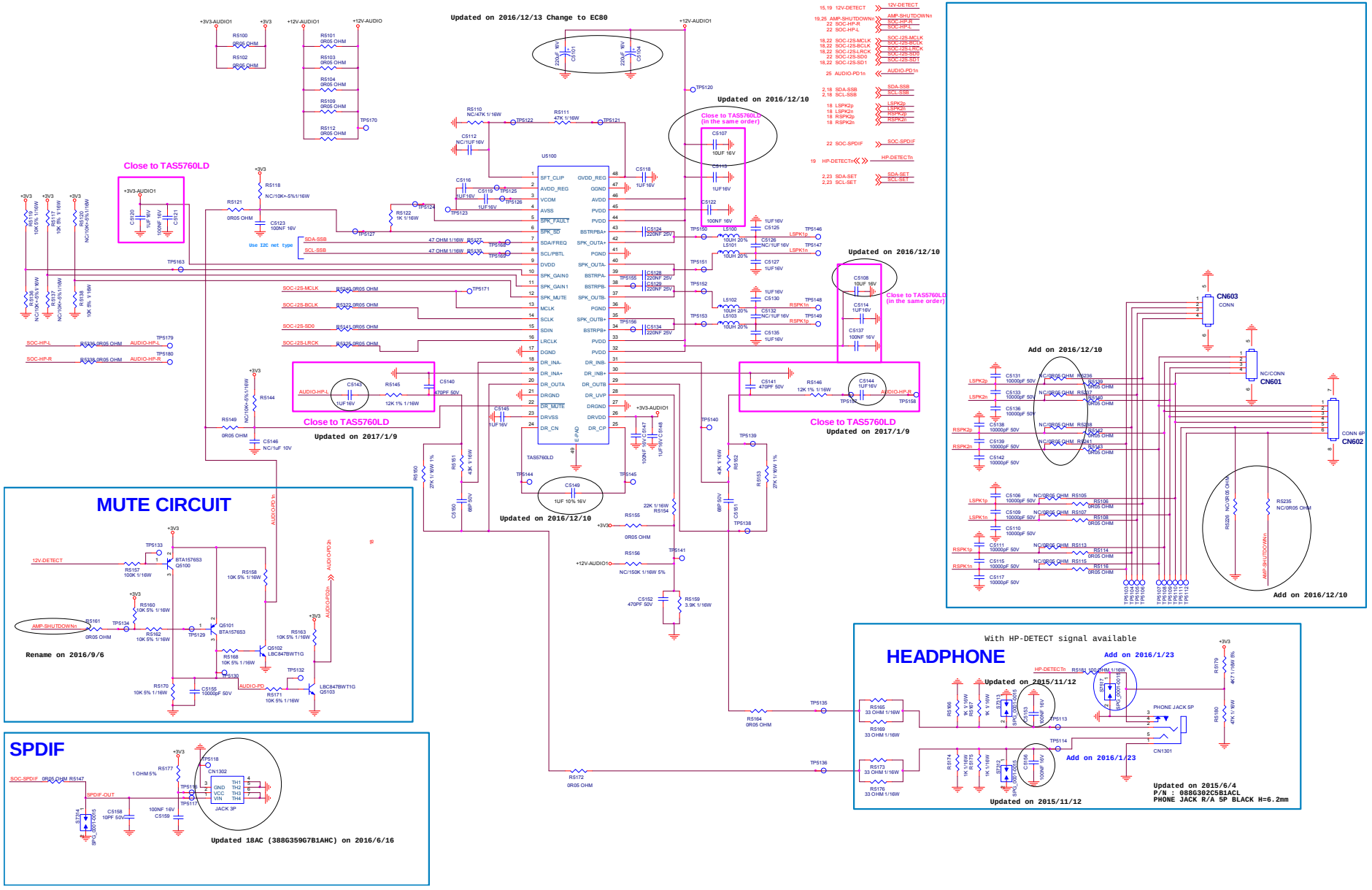




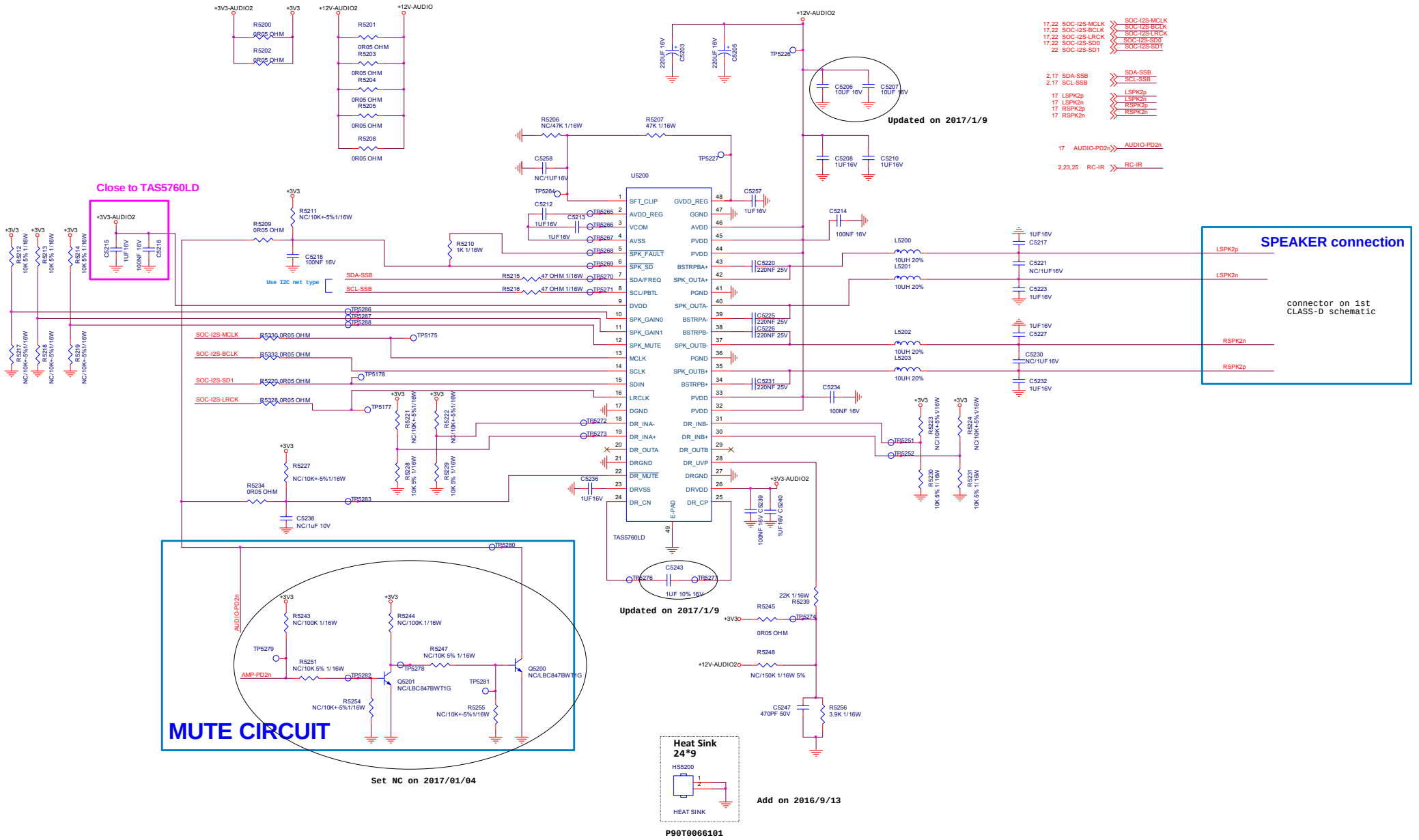




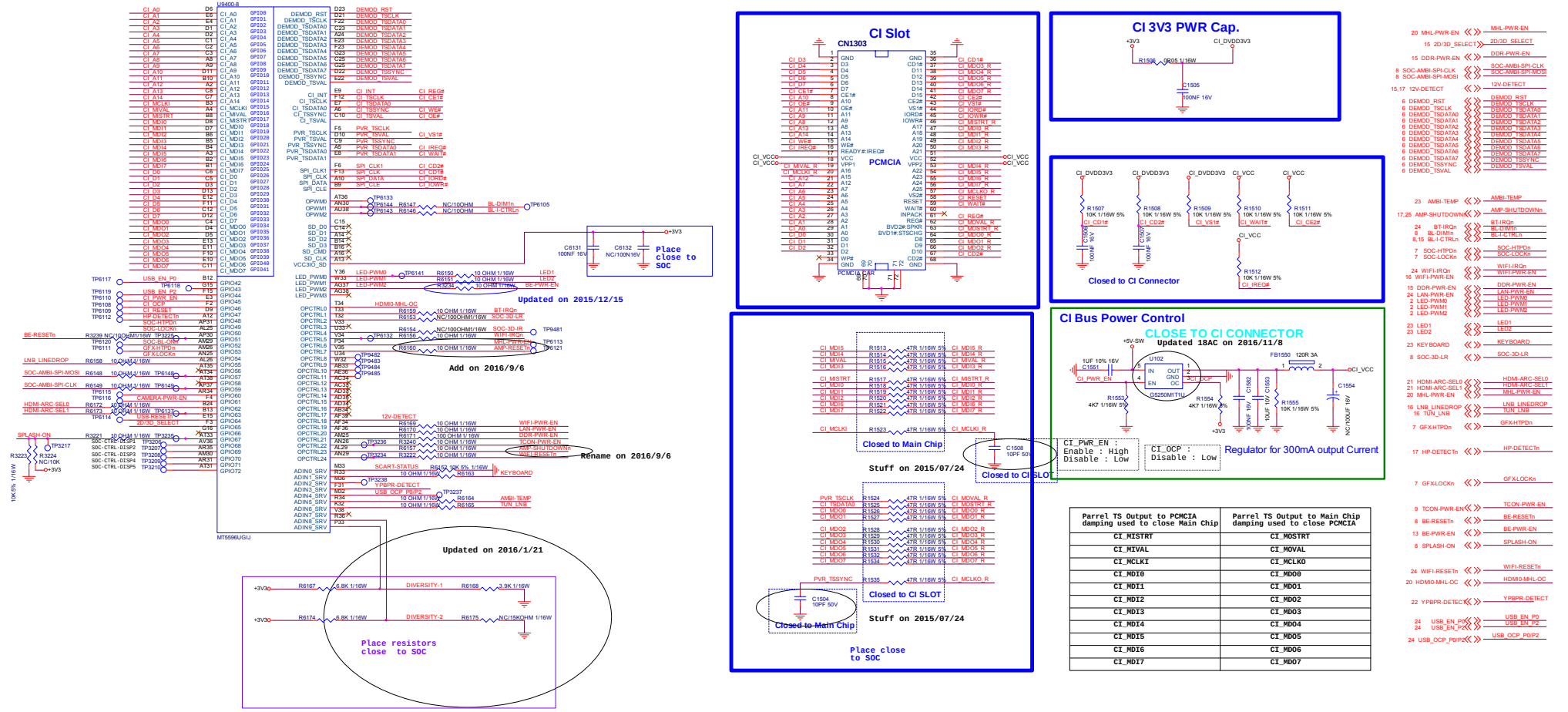
8-6-17 AUDIO-1st-CLASS-D-AMP



8-6-18 AUDIO-2nd-CLASS-D-AMP

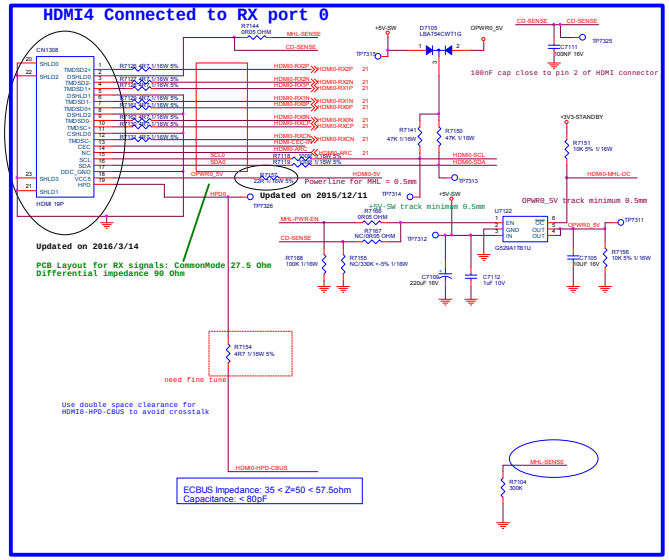


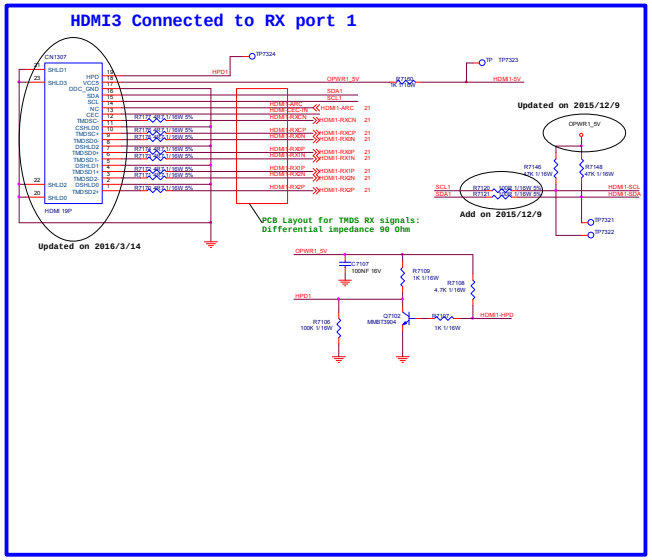
8-6-19 PCMCIA

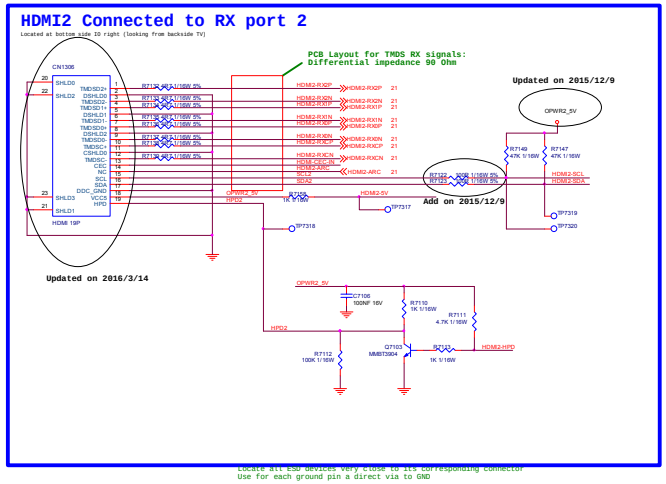


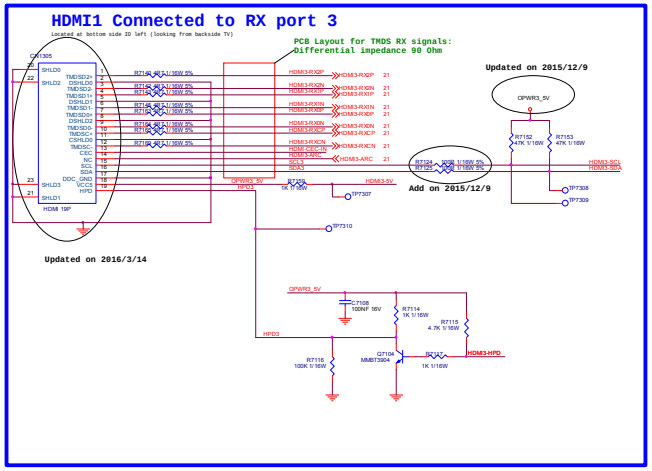
Parrel TS Output to PCMCIA damping used to close Main Chip	Parrel TS Output to Main Chip damping used to close PCMCIA
CI_MISTRT	CI_MOSTRT
CI_MIVAL	CI_MOVAL
CI_MCLKI	CI_MCLKO
CI_MDI0	CI_MDO0
CI_MDI1	CI_MDO1
CI_MDI2	CI_MDO2
CI_MDI3	CI_MDO3
CI_MDI4	CI_MDO4
CI_MDI5	CI_MDO5
CI_MDI6	CI_MDO6
CI_MDI7	CI_MDO7

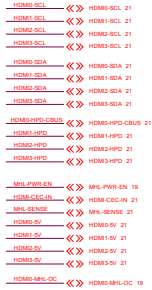
8-6-20 HDMI-INPUTS

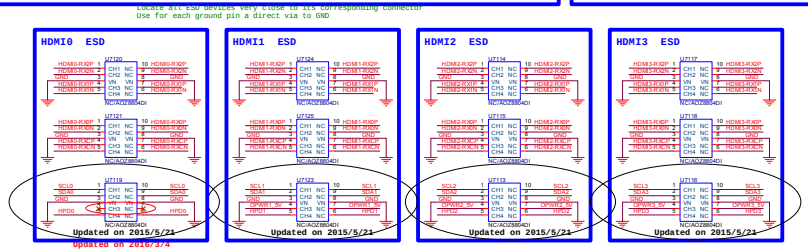




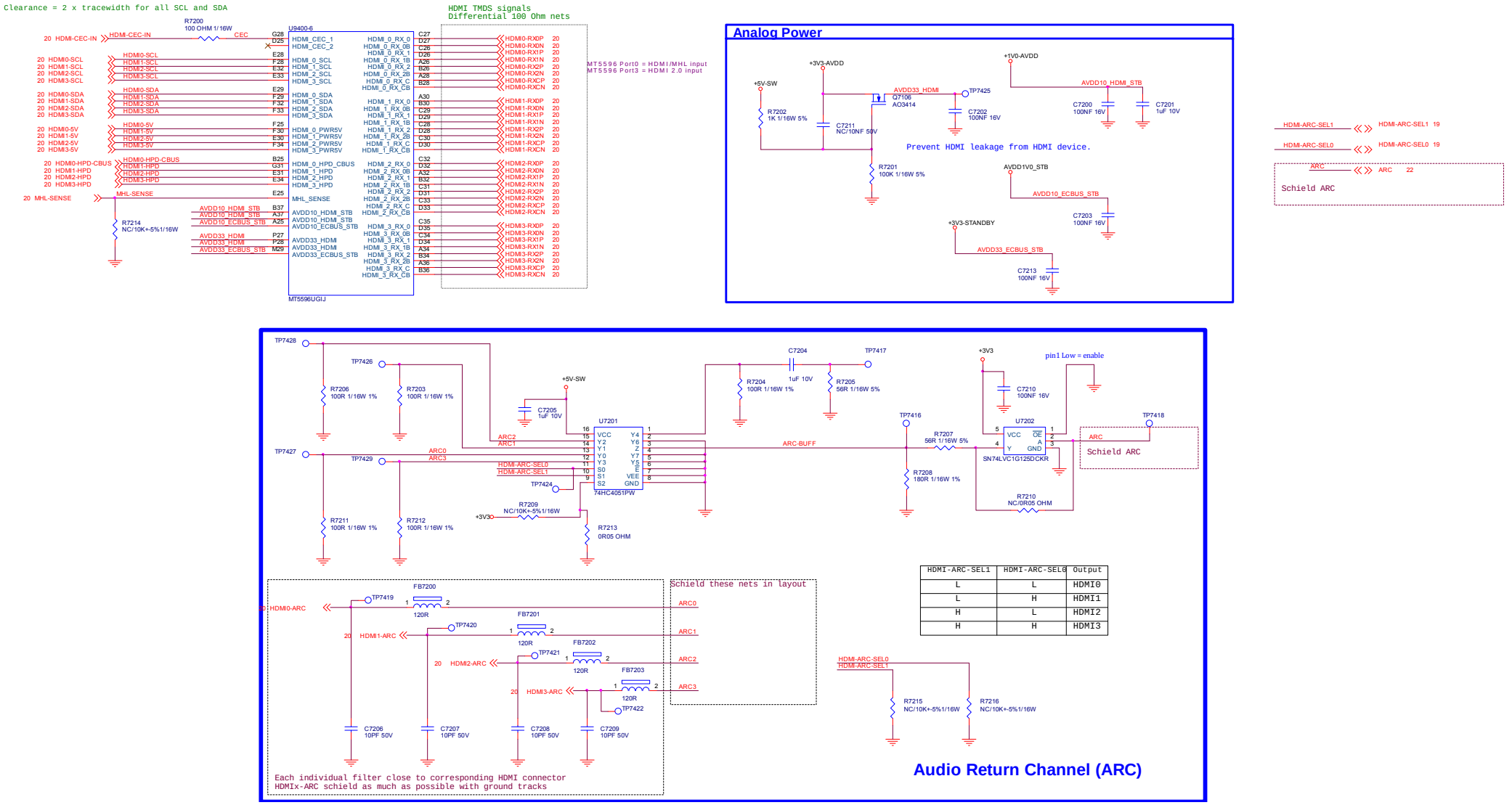




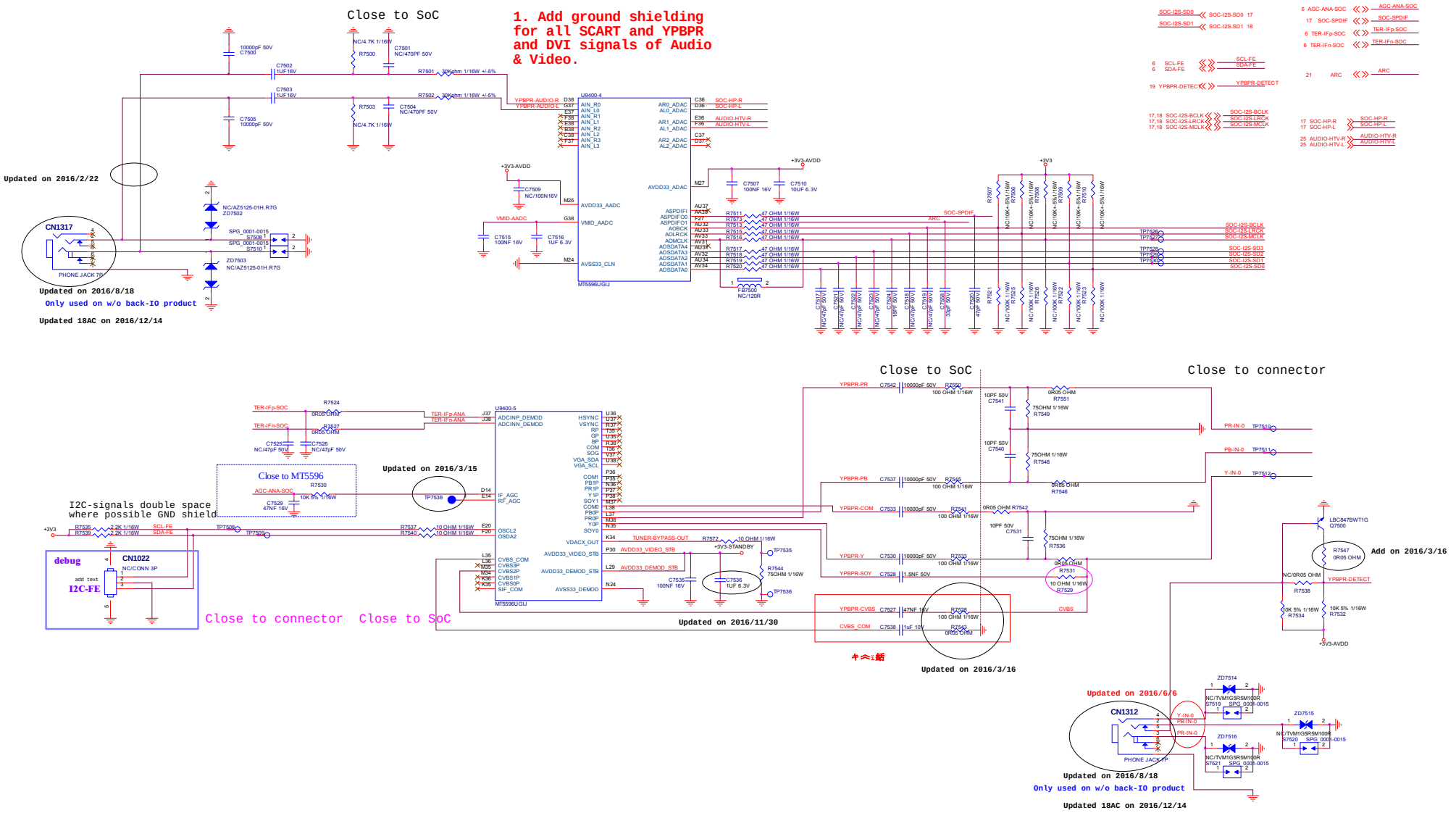




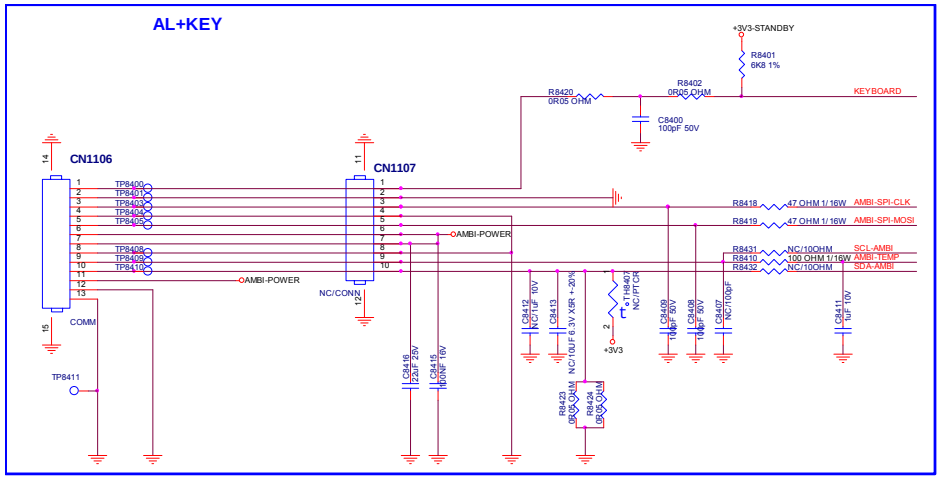
8-6-21 HDMI-SOC-ARC

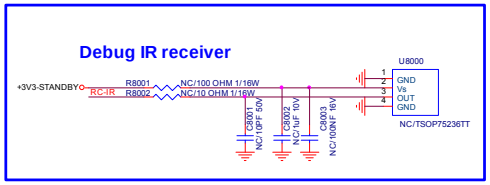


8-6-22 SCART-YPbPr-CVBS

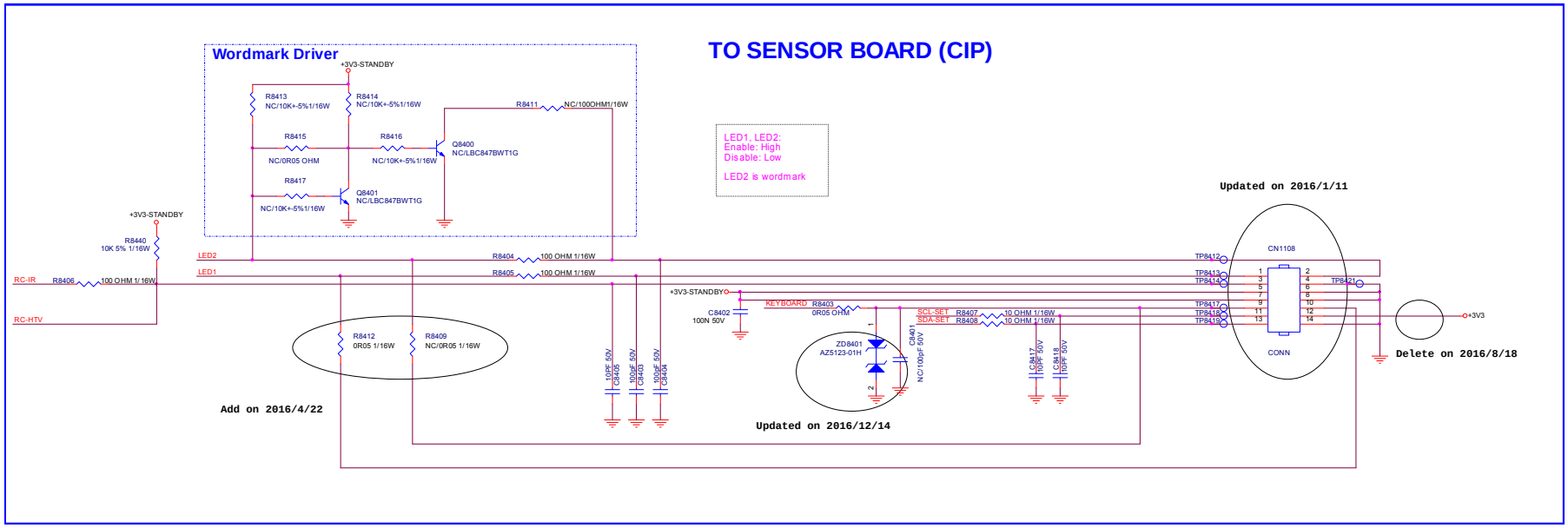


8-6-23 CTRL-CONNECTORS

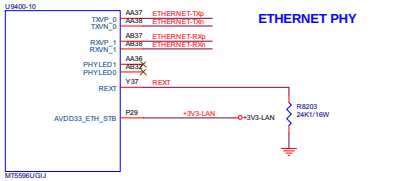


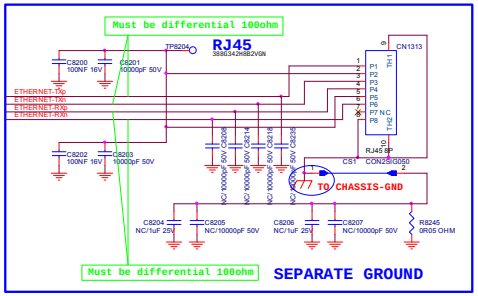


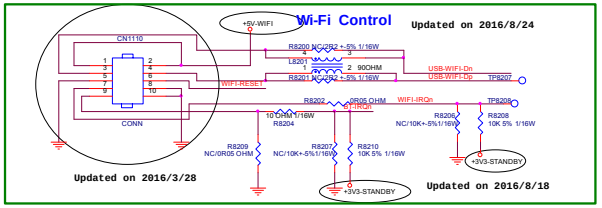
AMBI-SPI-CLK — AMBI-SPI-CLK 8
AMBI-SPI-MOSI — AMBI-SPI-MOSI 8
AMBI-TEMP — AMBI-TEMP 19
SCL-AMBI — SCL-AMBI 8
SDA-AMBI — SDA-AMBI 8
KEYBOARD — KEYBOARD 19
RC-IR — RC-IR 2,25
RC-HTV — RC-HTV 25
SDA-SET — SDA-SET 2
SCL-SET — SCL-SET 2
LED1 — LED1 19
LED2 — LED2 19

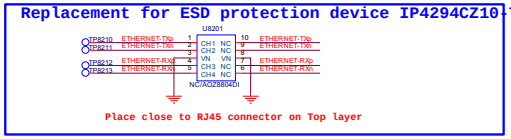


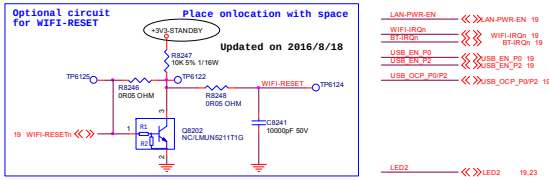
8-6-24 CTRL-ETHERNET-PHY



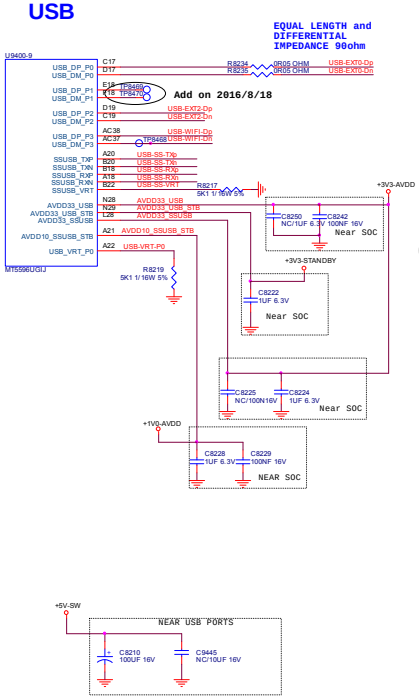


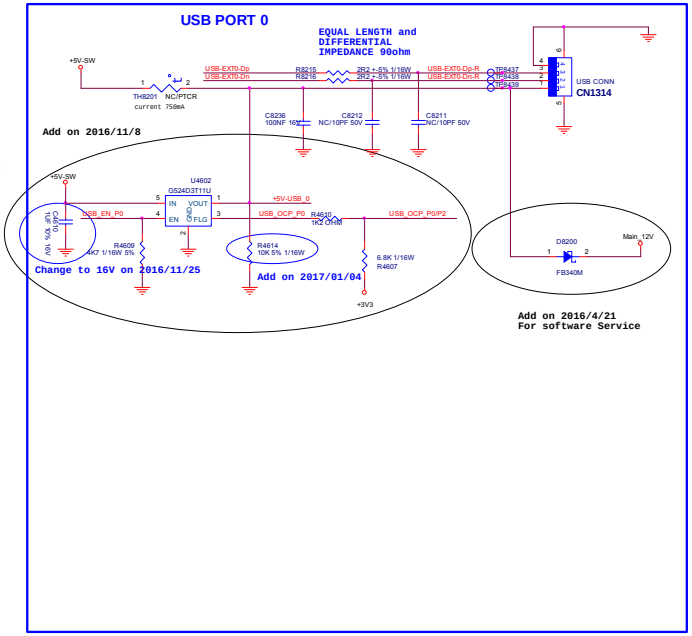


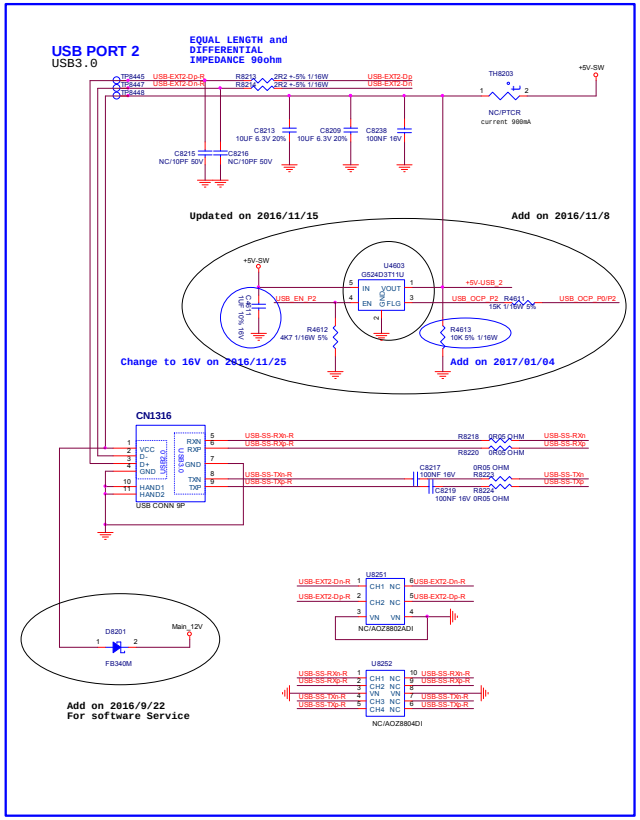




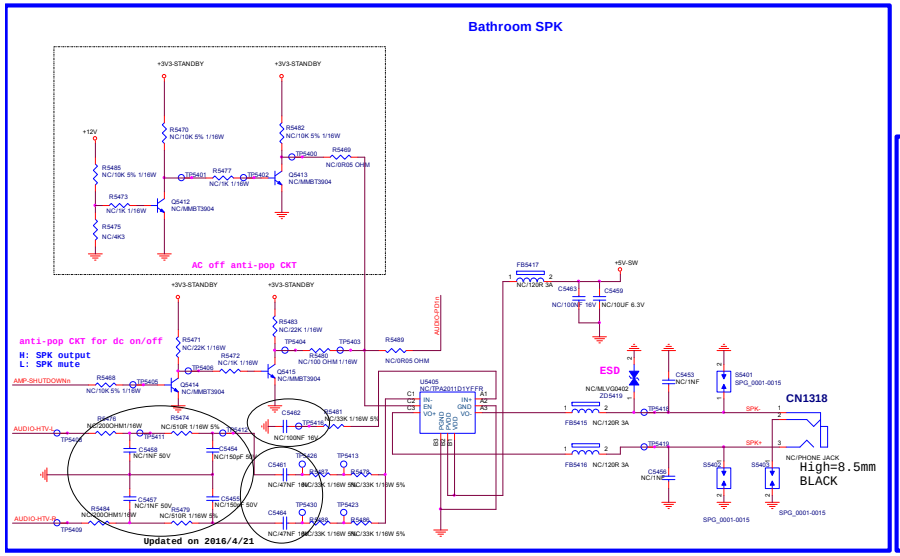
USB

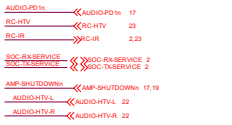


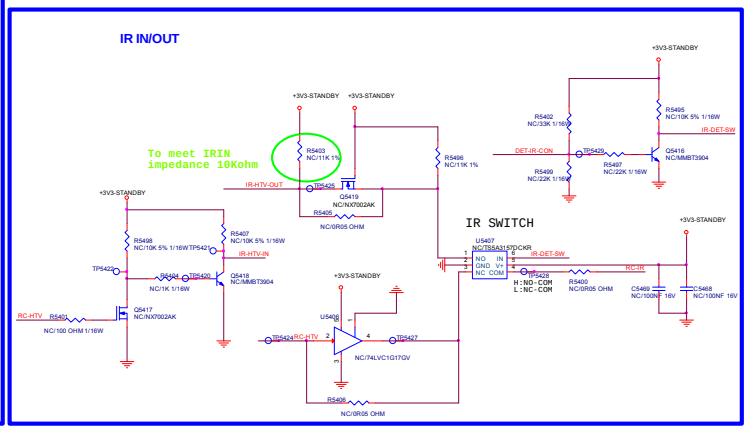


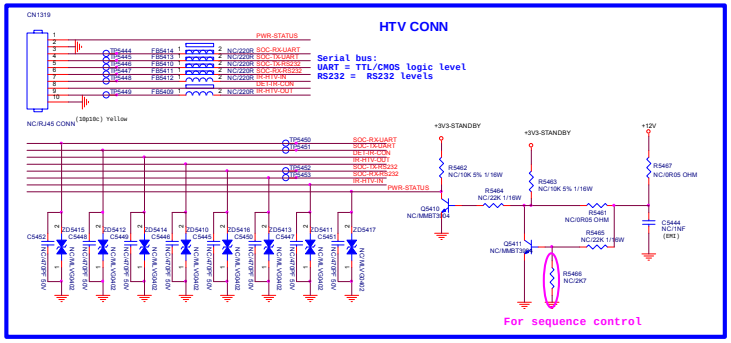


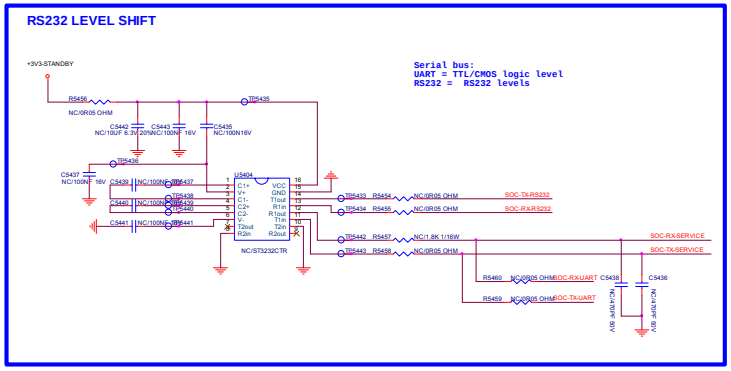
8-6-25 HTV

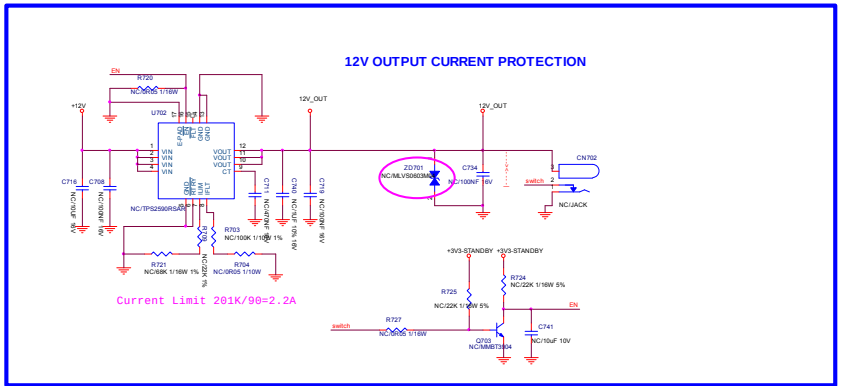

Bathroom SPK
AC off anti-pop CKT
anti-pop CKT for dc on/off
H: SPK output
L: SPK mute
ESD
CN1318
High=8.5mm
BLACK
Updated on 2016/4/21


AUDIO-PDTm
RC-HTV
RC-IR
SOC-RX-SERVICE
SOC-TX-SERVICE
AMP-SHUTDOWNm
AUDIO-HTV-L
AUDIO-HTV-R


IR IN/OUT
To meet IRIN
impedance 10Kohm
IR SWITCH

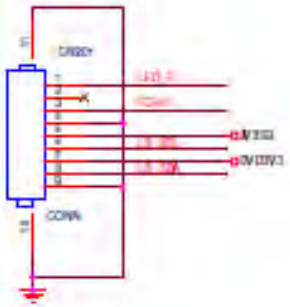

HTV CONN
Serial bus:
UART = TTL/CMOS logic level
RS232 = RS232 levels
For sequence control

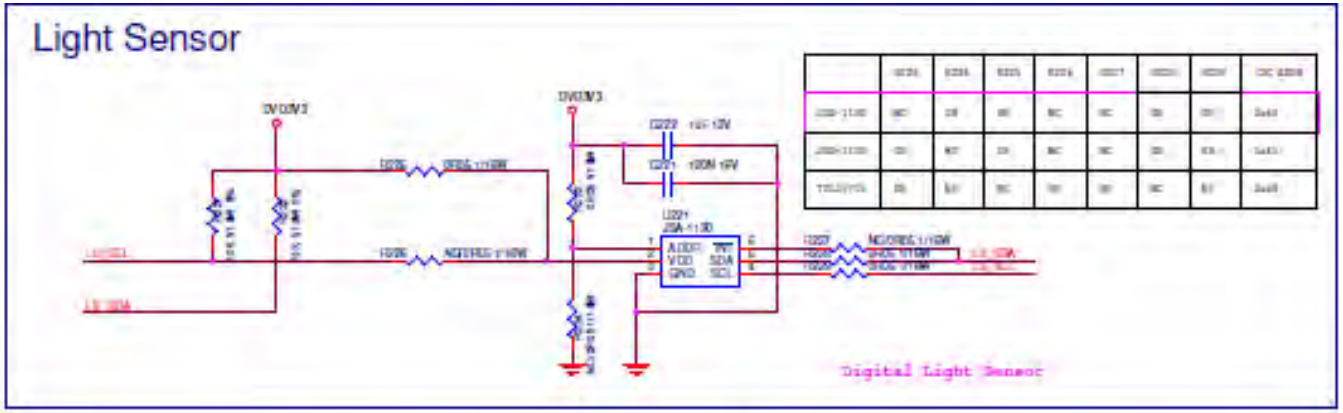

RS232 LEVEL SHIFT
Serial bus:
UART = TTL/CMOS logic level
RS232 = RS232 levels

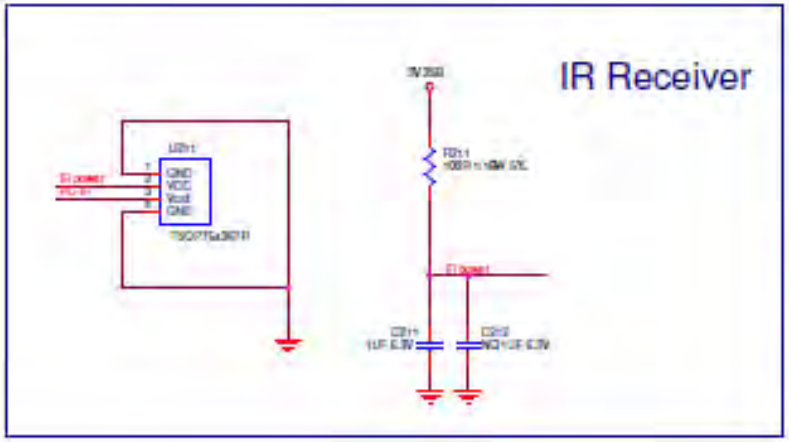

12V OUTPUT CURRENT PROTECTION
Current Limit 201K/90=2.2A

8.7J 715G8694 IR/LED Panel

8-7-1 LED&IR&Light sensor

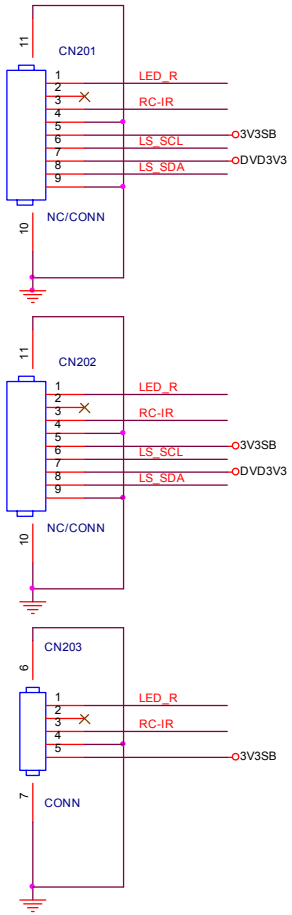


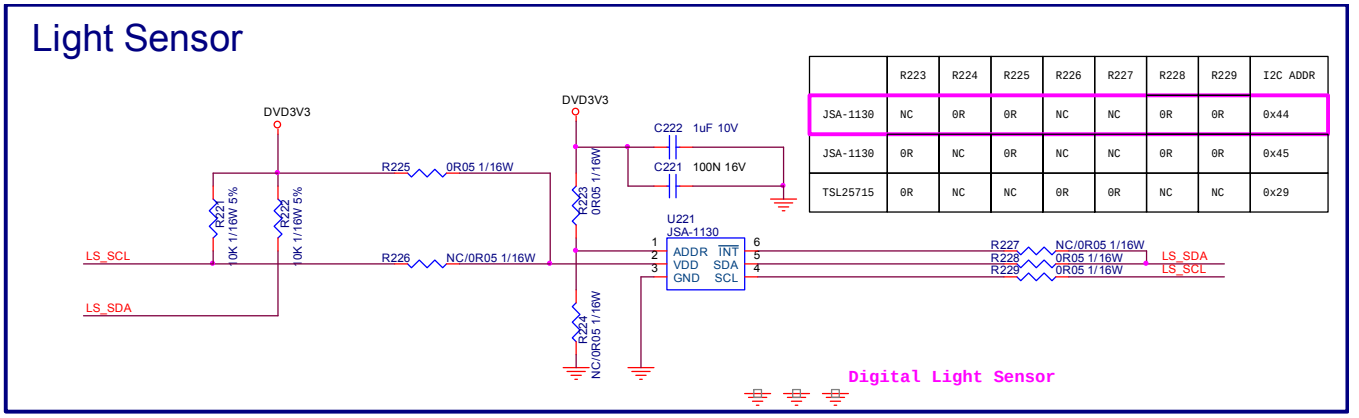




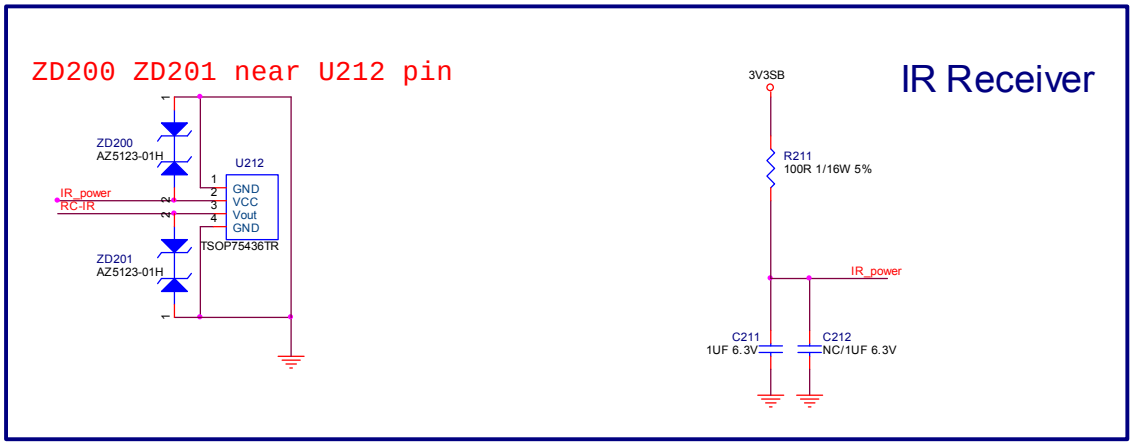
8.8 J 715G8623 IR/LED Panel

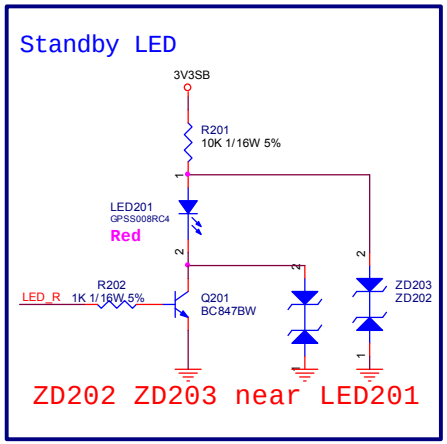
8-8-1 IR





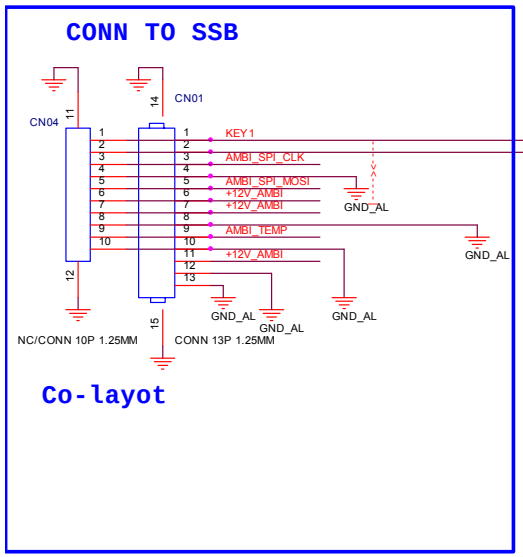
	R223	R224	R225	R226	R227	R228	R229	I2C ADDR
JSA-1130	NC	0R	0R	NC	NC	0R	0R	0x44
JSA-1130	0R	NC	0R	NC	NC	0R	0R	0x45
TSL25715	0R	NC	NC	0R	0R	NC	NC	0x29

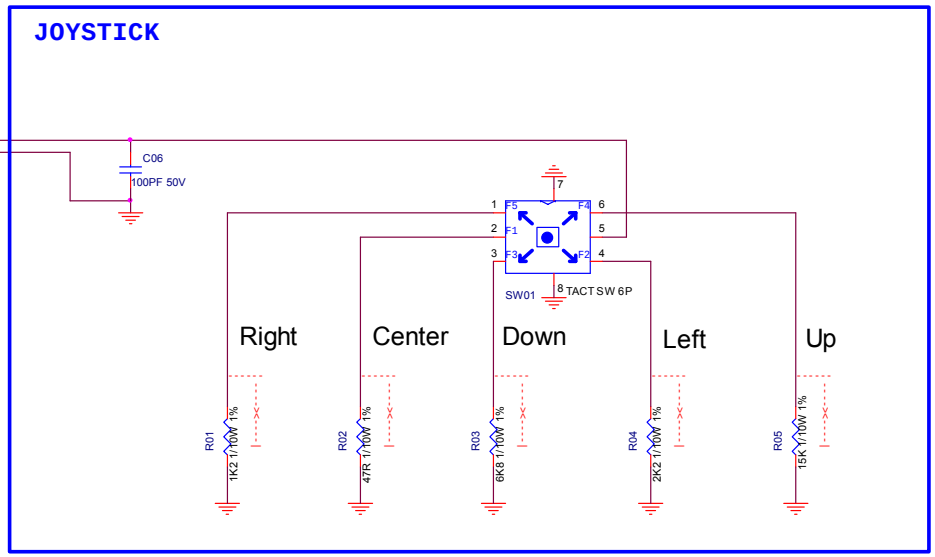


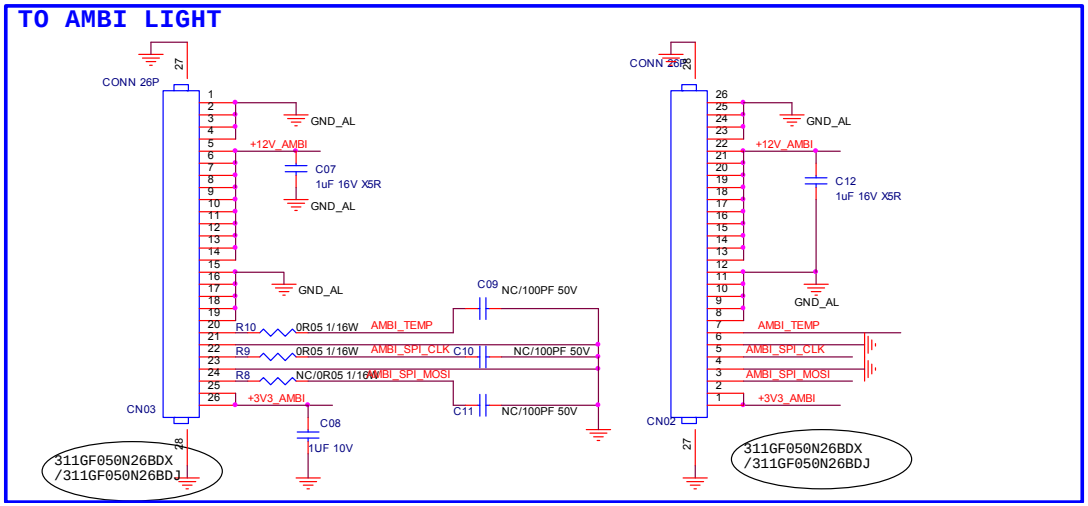


8.9 E 715G8555 Keyboard control panel

8-9-1 Key







Joystick key define

Direction	switch	Key function	Resistance	Voltage	Range
Center	2-5 short	Menu	0R	0V	0.0 to 0.22 V
Right	1-5 short	CH+	1K2	0.5V	0.39 to 0.60 V
Left	4-5 short	CH-	2K2	0.81V	0.67 to 0.95 V
Down	3-5 short	VOL-	6K8	1.65V	1.41 to 1.87 V
Up	6-5 short	VOL+	15K	2.27V	1.93 to 2.58 V
NA	NA	No function	NA	3.3V	3.135 to 3.465V

Joystick circuit diagram

	pin1	pin2	pin3	pin4	pin5	pin6
F1		○			○	
F2				○	○	
F3			○		○	
F4					○	○
F5	○				○	

Joystick diversity for AL

	CN03	C07	R9	R10
AL2	N	N	N	N
AL3/AL4	Y	Y	Y	Y

8.10 E 715G7088 Keyboard control panel

8-10-1 Key