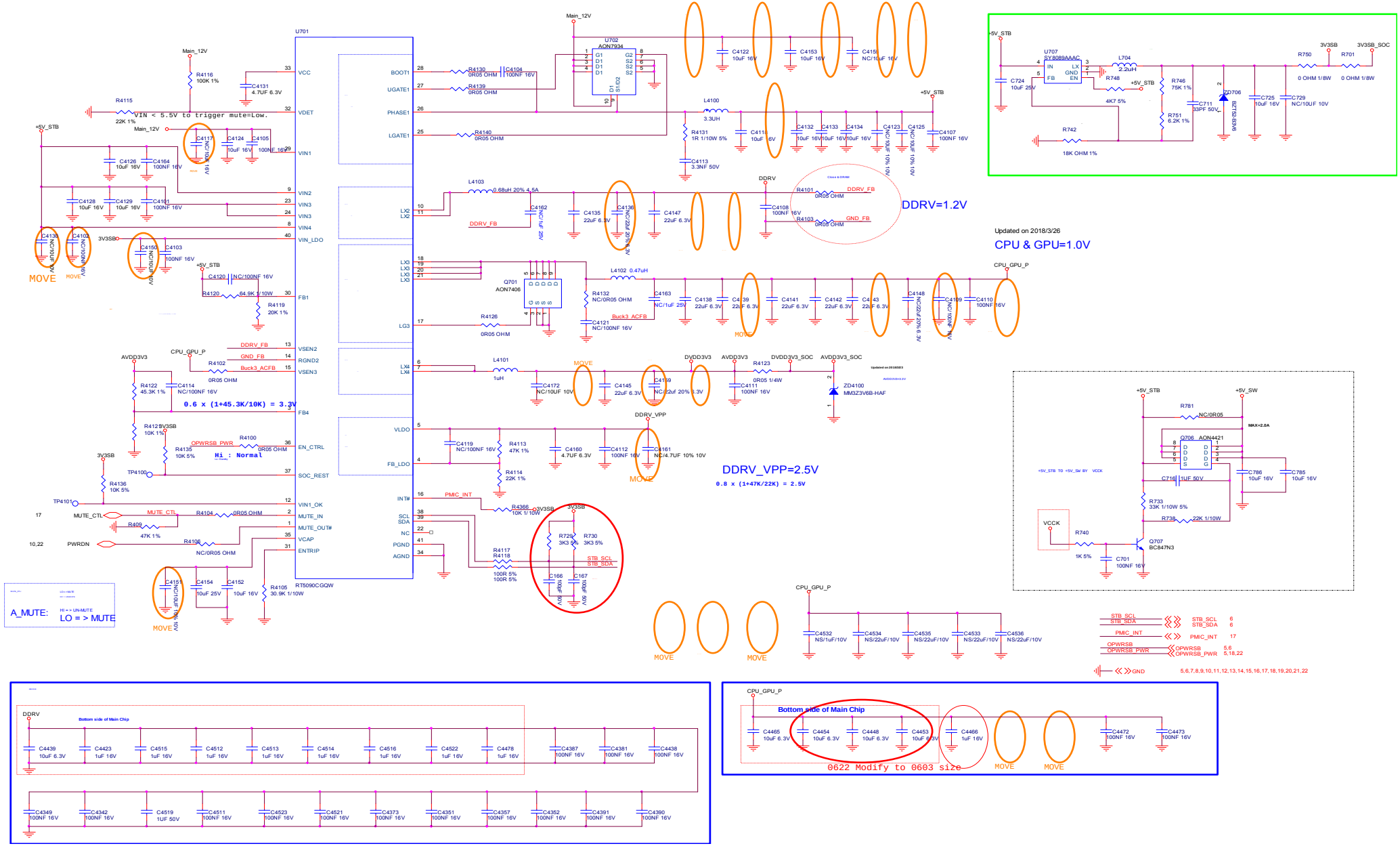
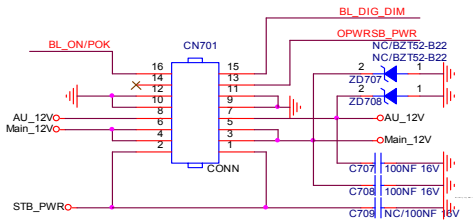
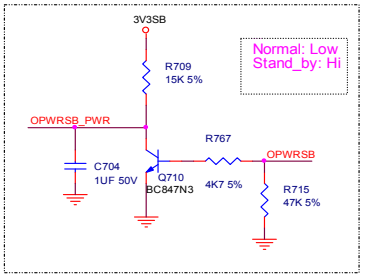
9.3 B 715G9907SSB

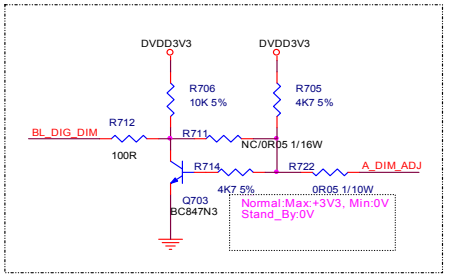
9-3-1POWER

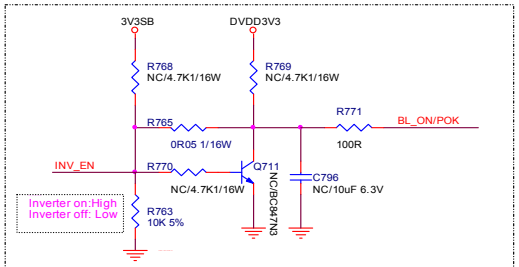


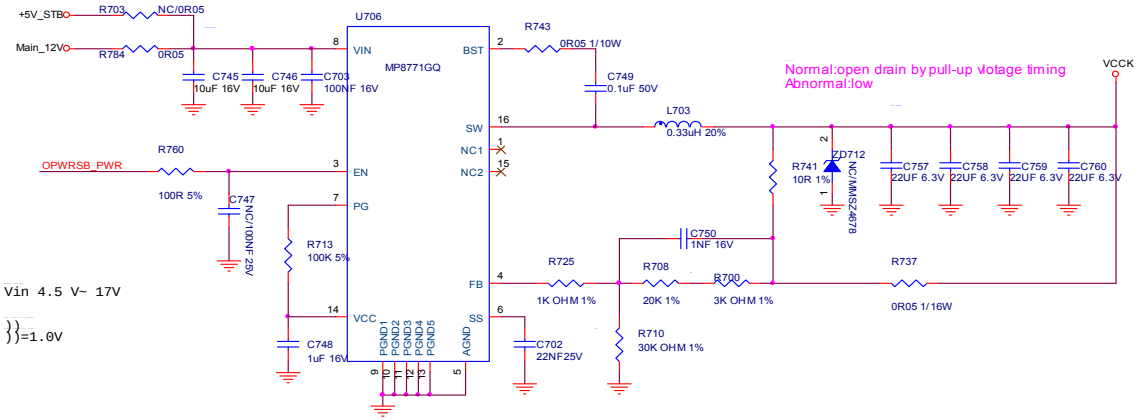
9-3-2 System Power

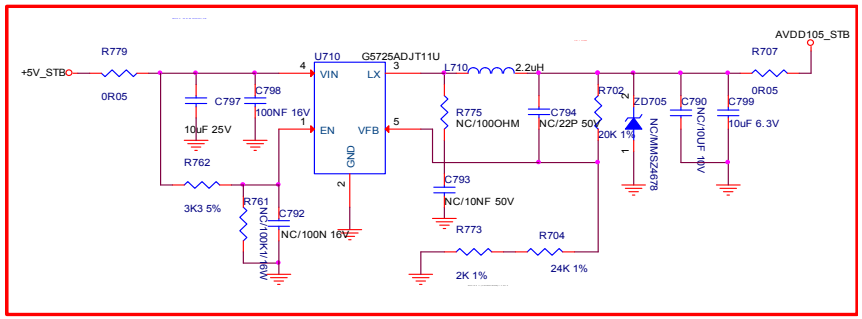


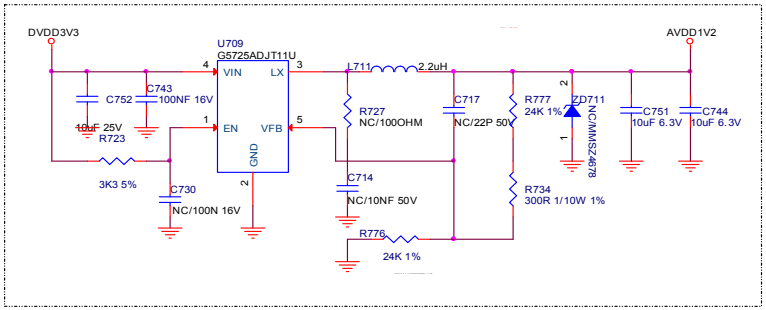


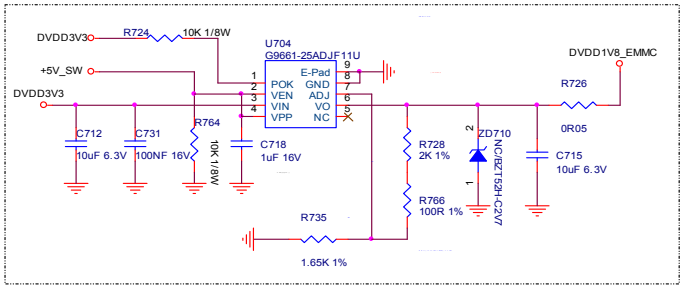


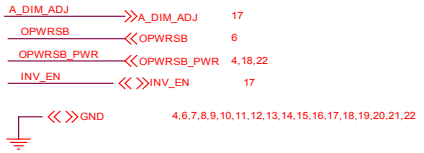


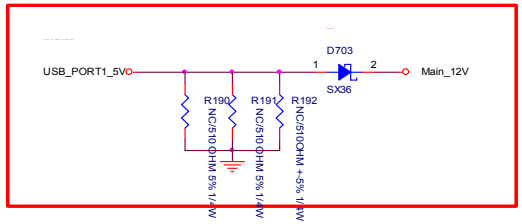


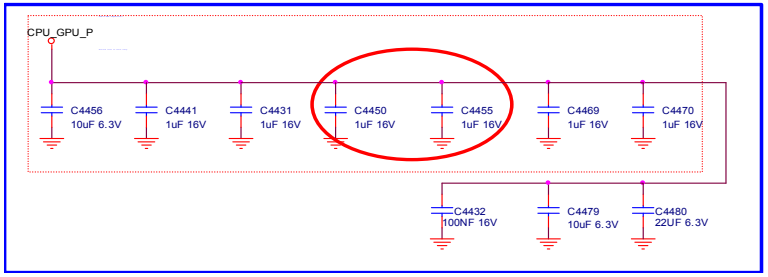


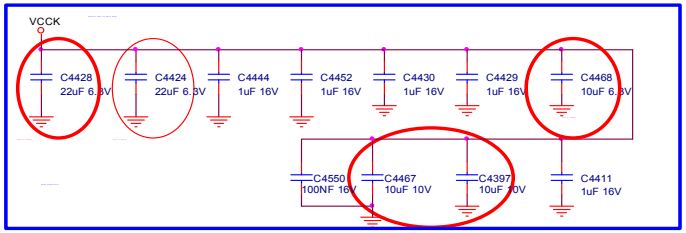




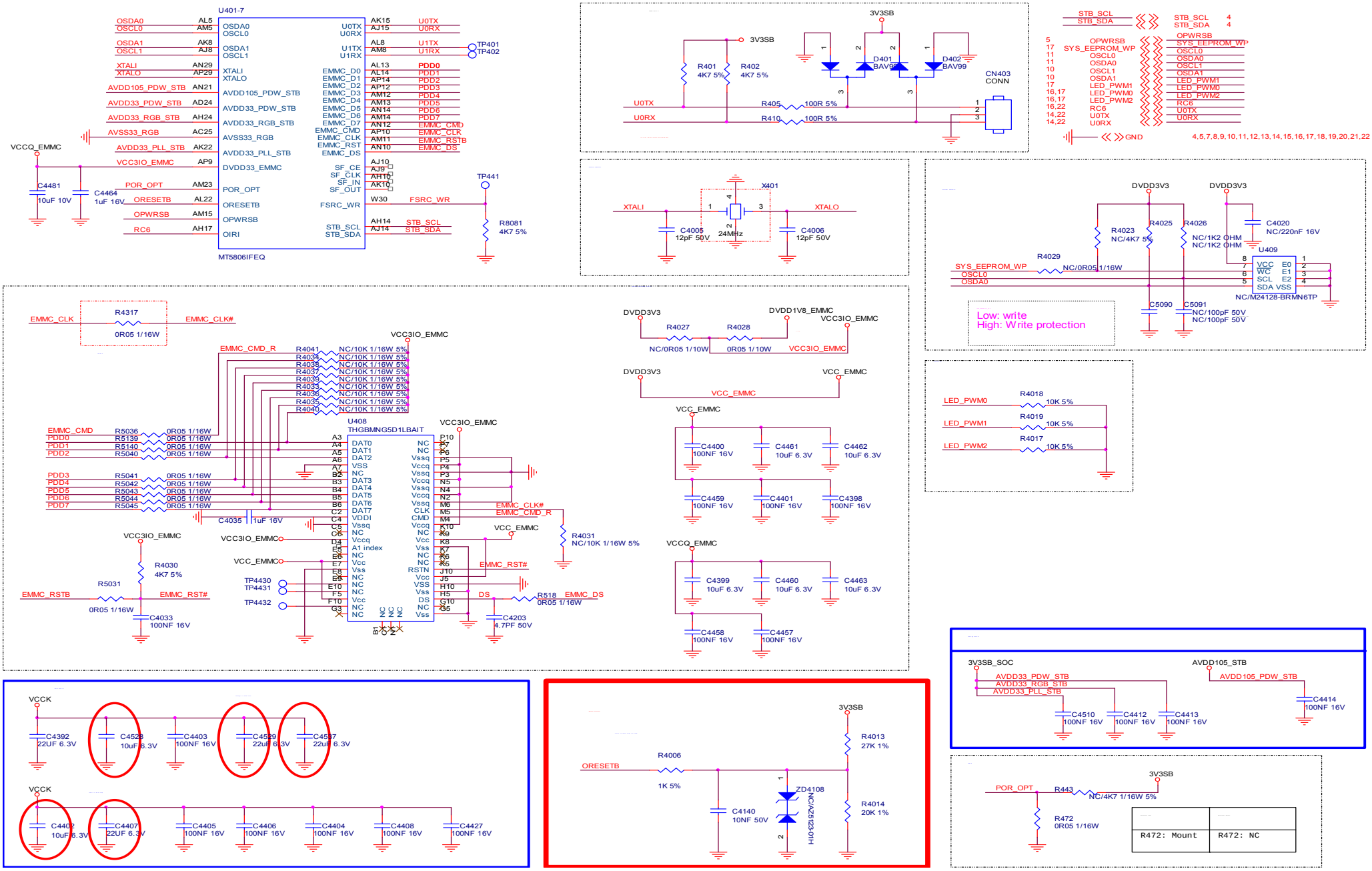




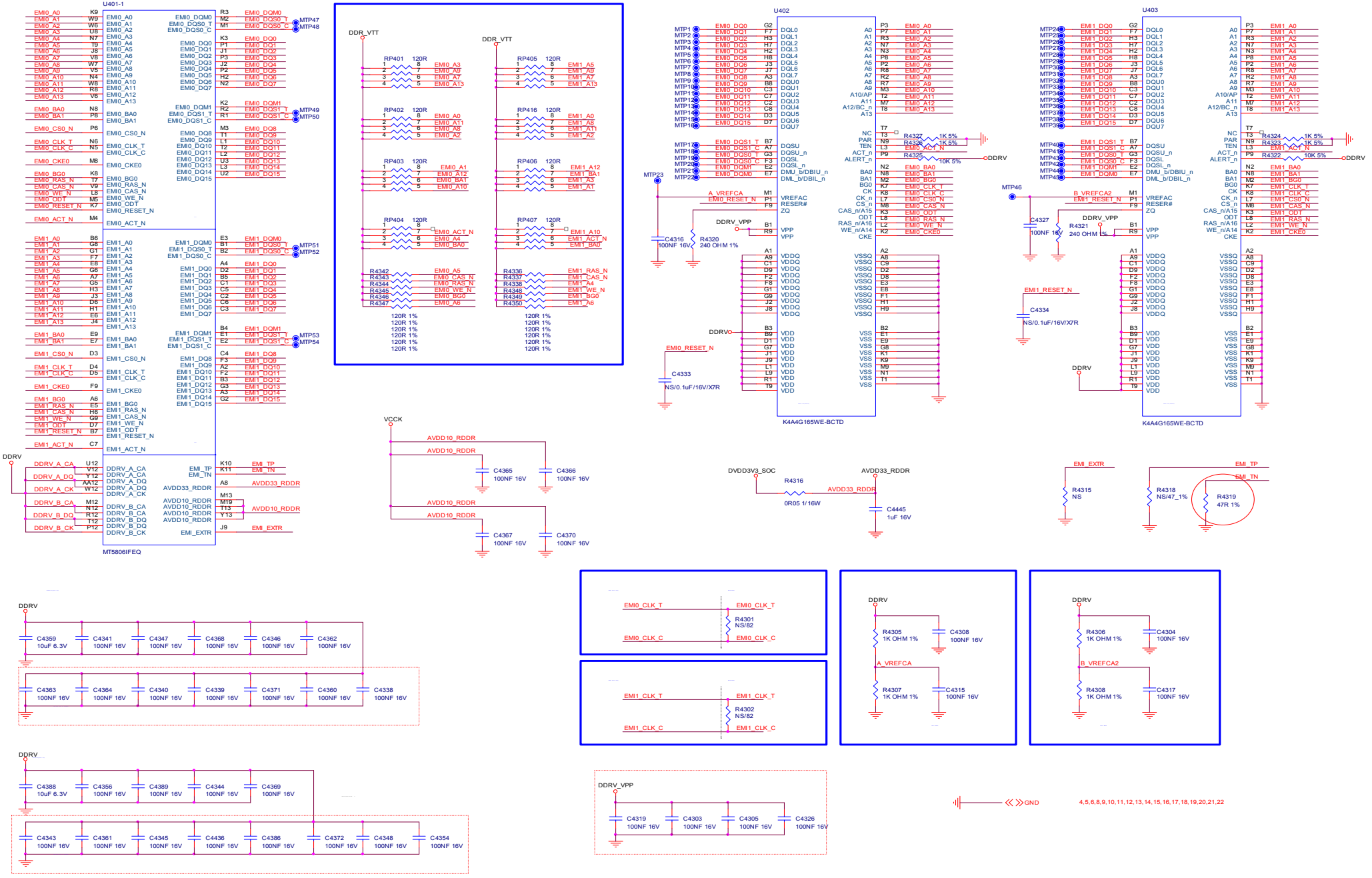




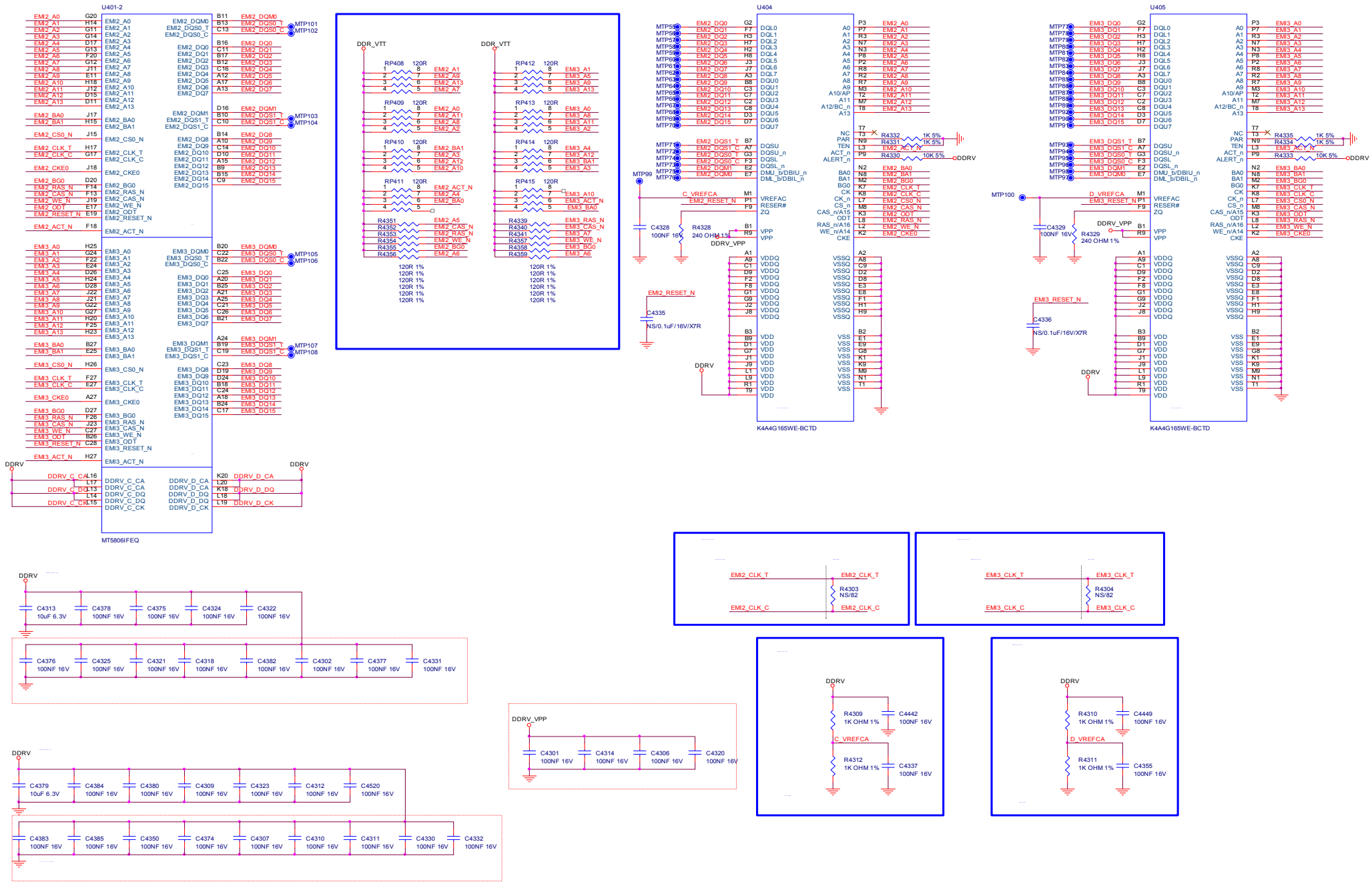
9-3-3 Peripheral



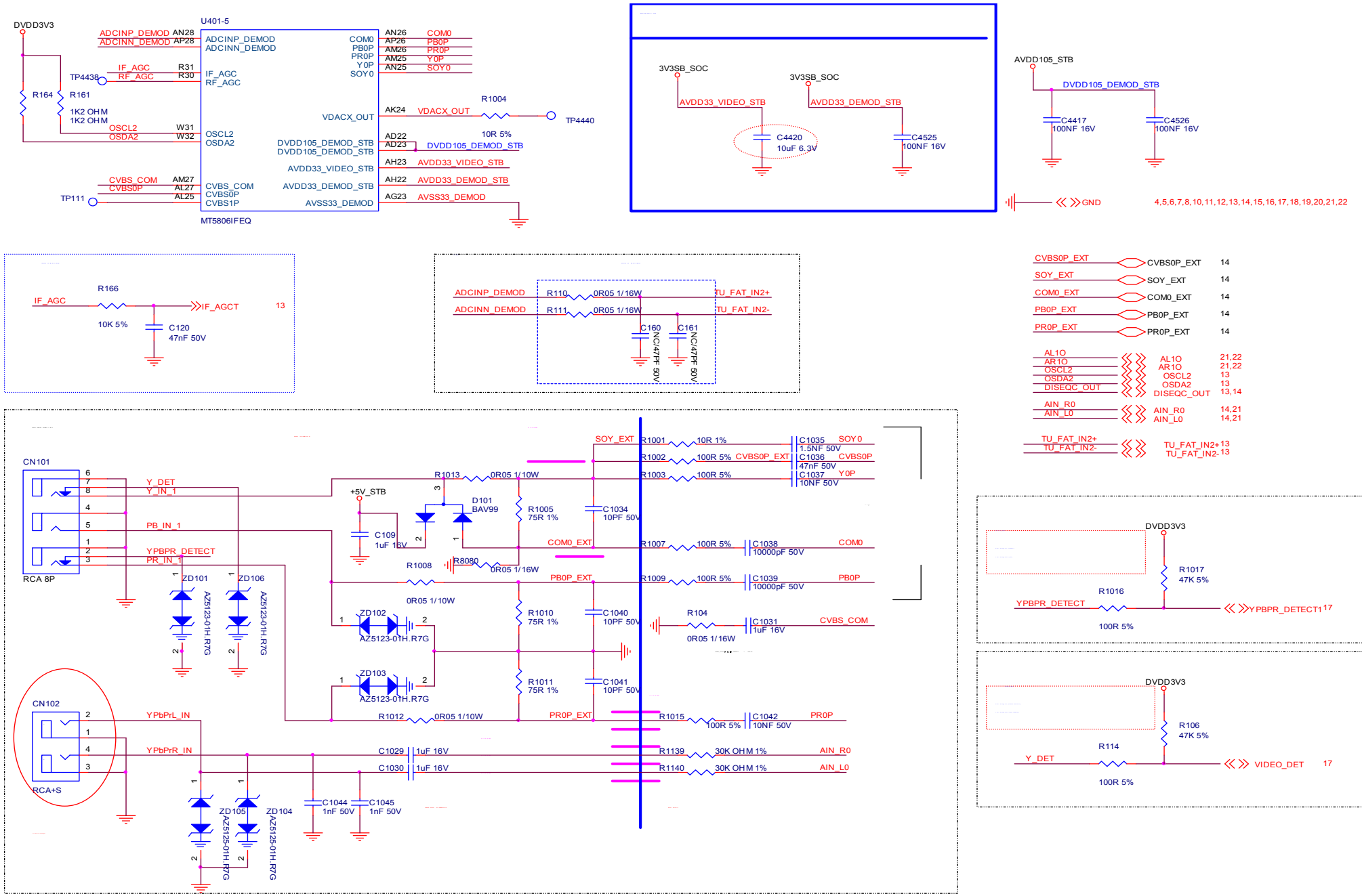
9-3-4 DRR4*2


U401-1
MT5806IFEQ
U402
U403
K4A4G165WE-BCTD
DDR_VTT
VCCK
DDRV
DDRV_VPP
DVDD3V3_SOC
AVDD33_RDDR
AVDD10_RDDR
EMI_EXTR
EMI_TP
EMI_TN
EMI0_CLK_T
EMI0_CLK_C
EMI1_CLK_T
EMI1_CLK_C
A_VREFCA
B_VREFCA2
EMI0_RESET_N
EMI1_RESET_N
GND
4,5,6,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22

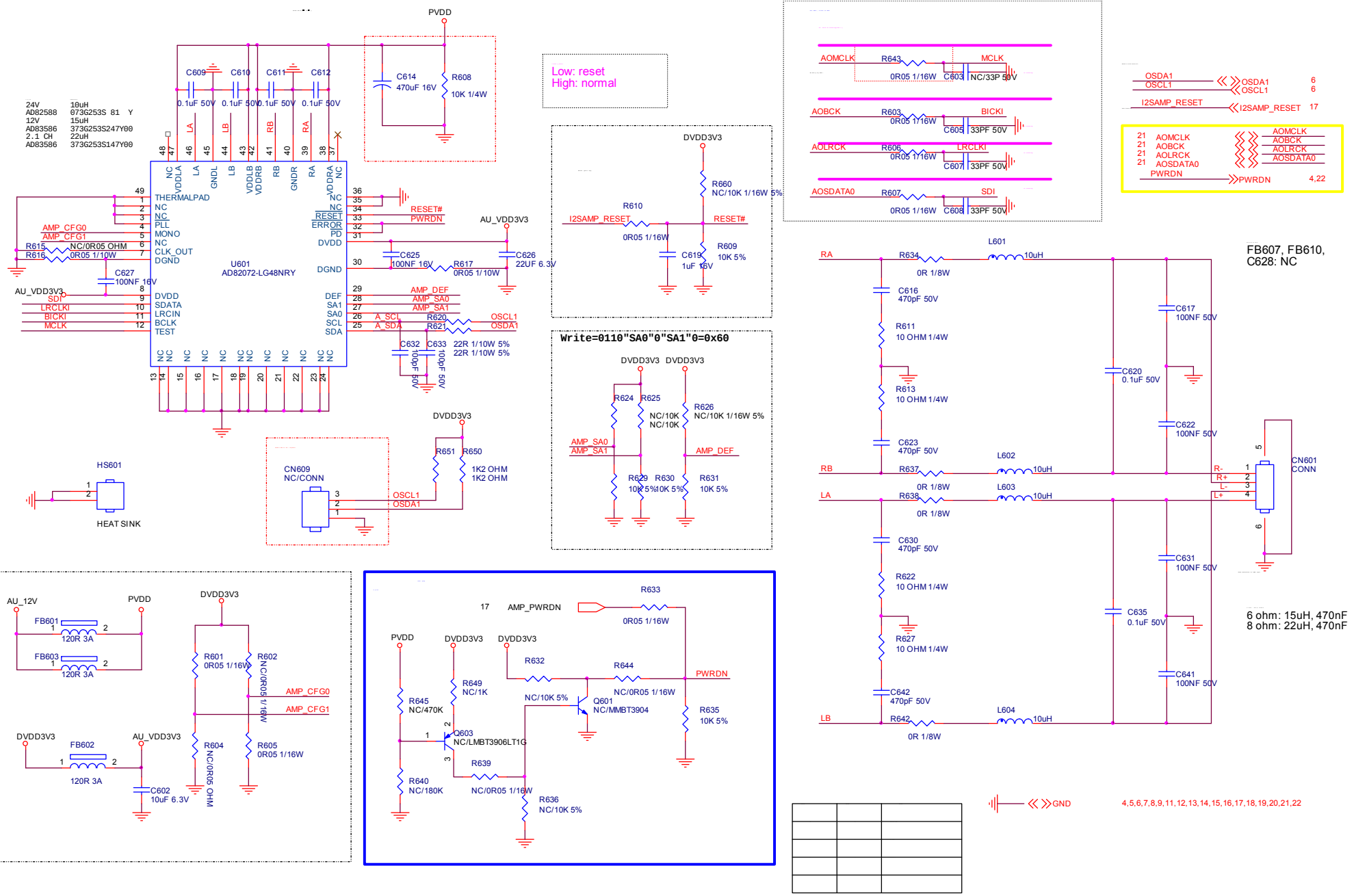
9-3-5 DRR4*2-2


U401-2
MT5806IFEQ
DDR_VTT
RP408 120R
RP409 120R
RP410 120R
RP411 120R
RP412 120R
RP413 120R
RP414 120R
RP415 120R
120R 1%
U404
U405
K4A4G165WE-BCTD
MTP99
MTP100
C_VREFCA
D_VREFCA
EMI2_RESET_N
EMI3_RESET_N
DDRV_VPP
R4328 240 OHM 1%
R4329 240 OHM 1%
C4328 100NF 16V
C4329 100NF 16V
C4335 NS/0.1uF/16V/X7R
C4336 NS/0.1uF/16V/X7R
R4332 1K 5%
R4331 1K 5%
R4330 10K 5%
R4335 1K 5%
R4334 1K 5%
R4333 10K 5%
DDRV
R4303 NS/82
R4304 NS/82
C4313 10uF 6.3V
C4378 100NF 16V
C4375 100NF 16V
C4324 100NF 16V
C4322 100NF 16V
C4376 100NF 16V
C4325 100NF 16V
C4321 100NF 16V
C4318 100NF 16V
C4382 100NF 16V
C4302 100NF 16V
C4377 100NF 16V
C4331 100NF 16V
C4379 10uF 6.3V
C4384 100NF 16V
C4380 100NF 16V
C4309 100NF 16V
C4323 100NF 16V
C4312 100NF 16V
C4520 100NF 16V
C4383 100NF 16V
C4385 100NF 16V
C4350 100NF 16V
C4374 100NF 16V
C4307 100NF 16V
C4310 100NF 16V
C4311 100NF 16V
C4330 100NF 16V
C4332 100NF 16V
DDRV_VPP
C4301 100NF 16V
C4314 100NF 16V
C4306 100NF 16V
C4320 100NF 16V
R4309 1K OHM 1%
R4312 1K OHM 1%
C4442 100NF 16V
C4337 100NF 16V
R4310 1K OHM 1%
R4311 1K OHM 1%
C4449 100NF 16V
C4355 100NF 16V

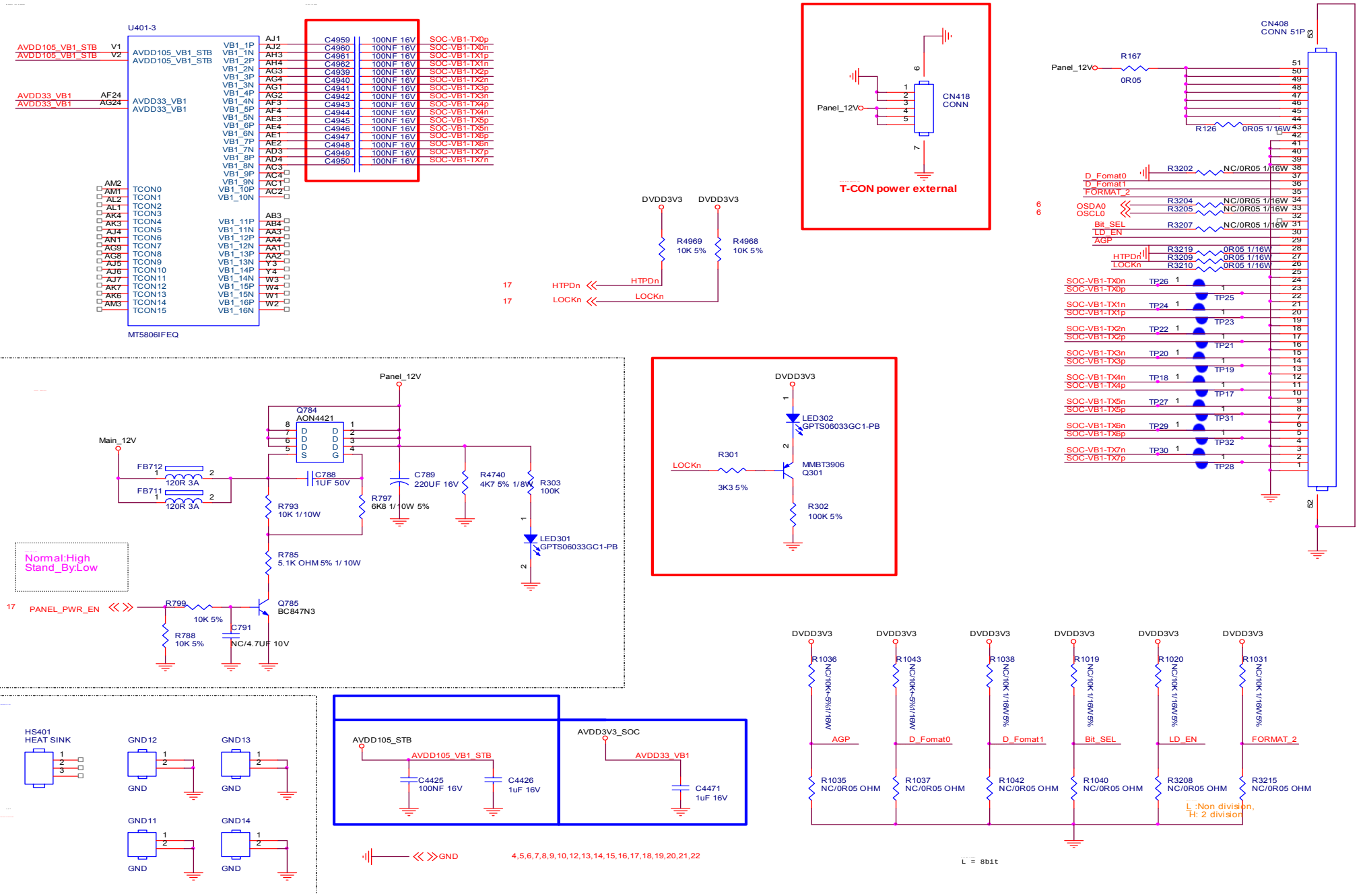
9-3-6 YPbPr/CVBS/SPIDIF



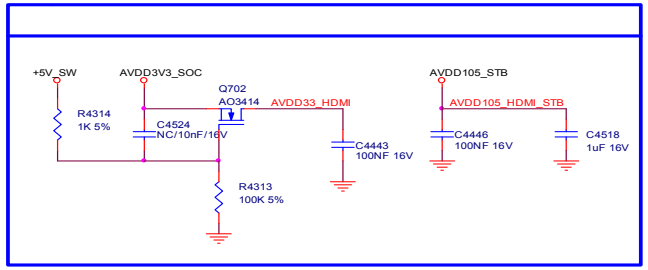
9-3-7 AUDIO AMP

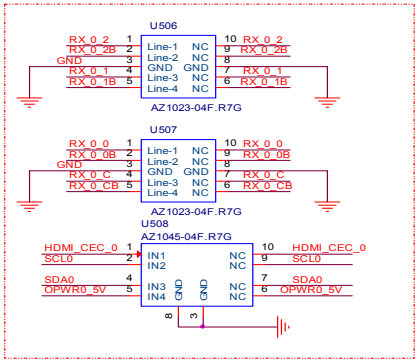


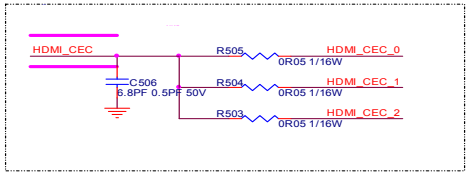
9-3-8 VB1 output

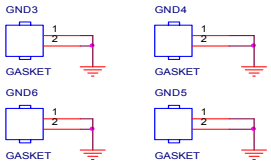


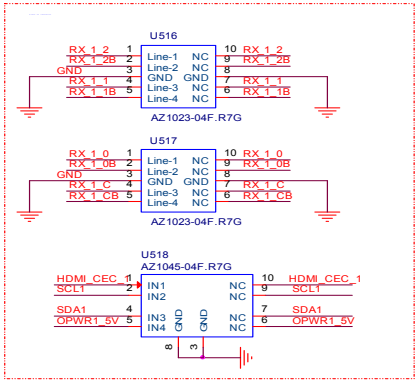
9-3-9 HDMI*

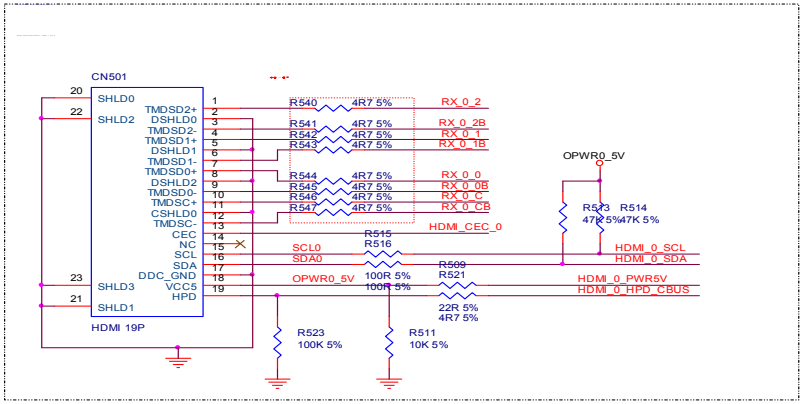


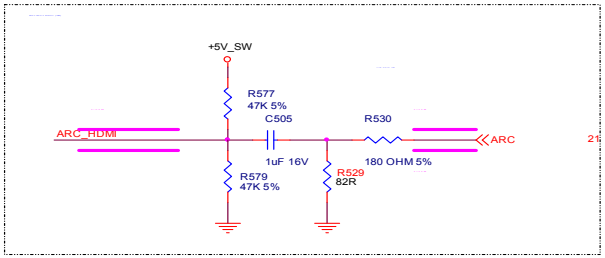


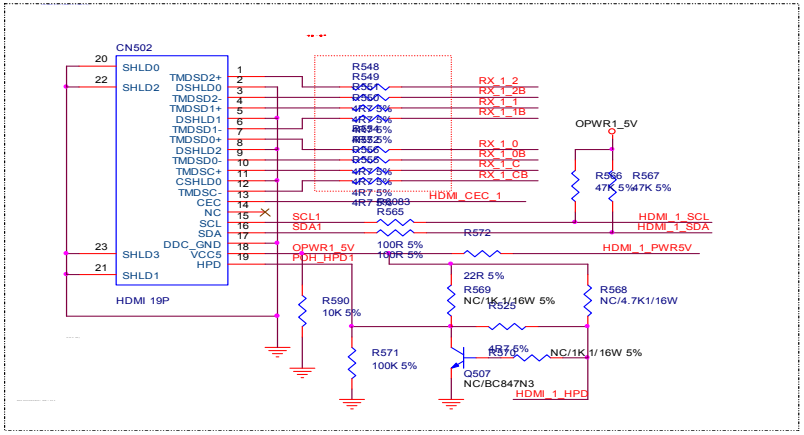


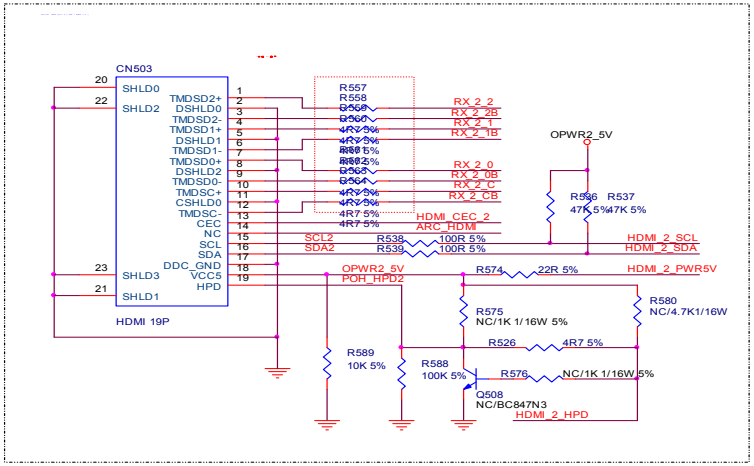


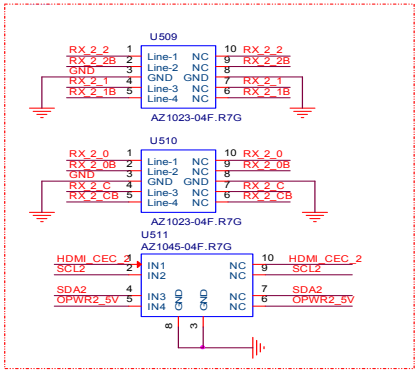








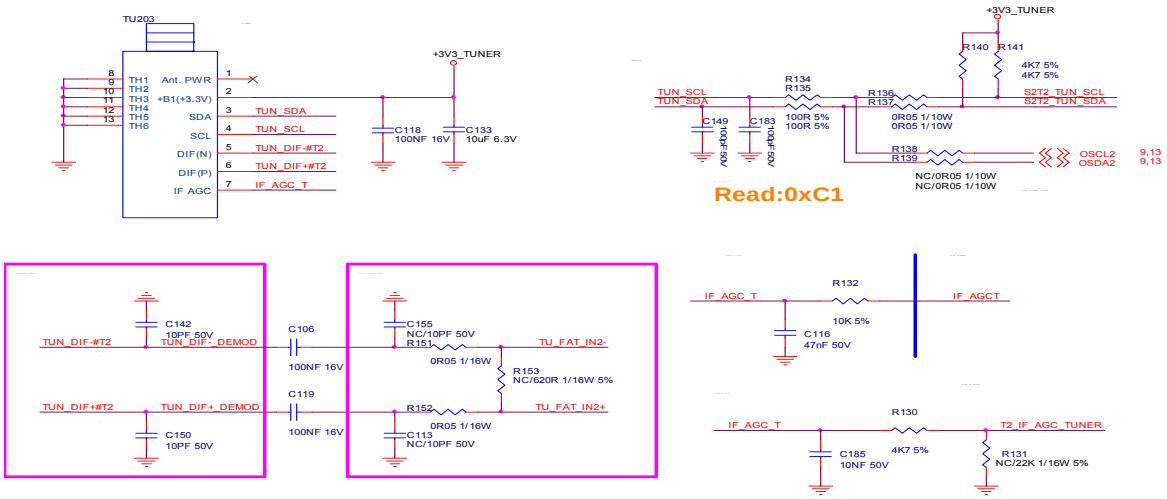


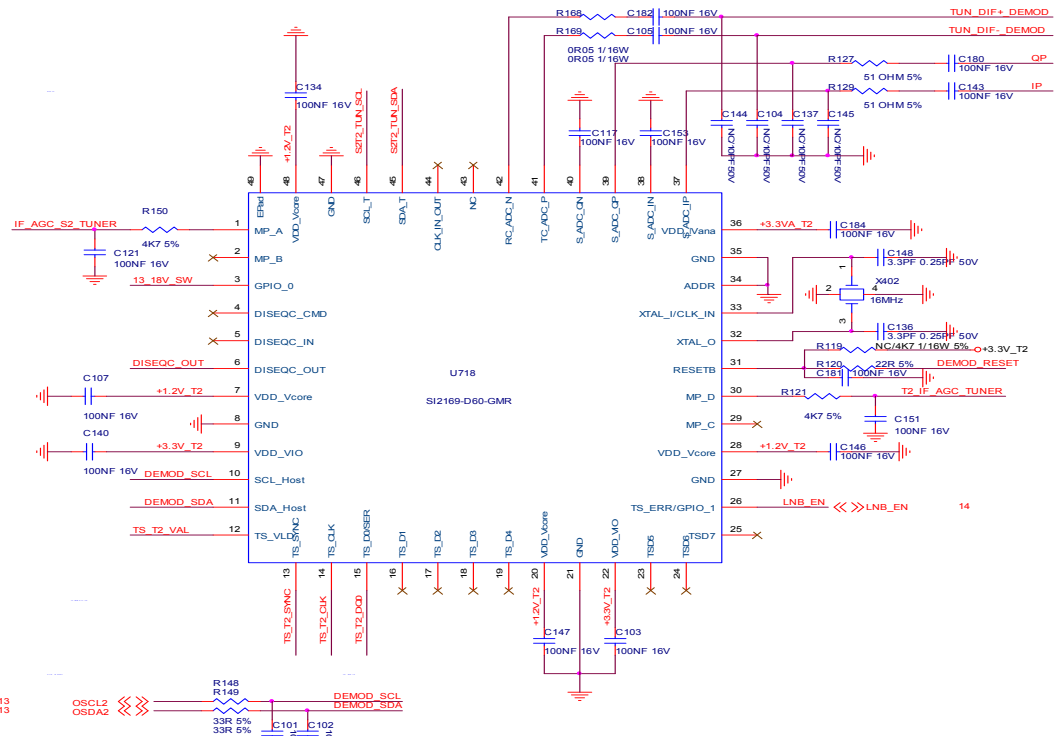


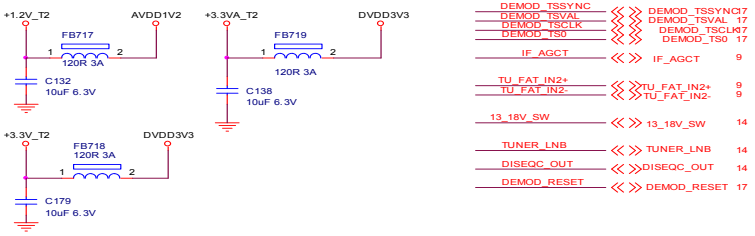
GND

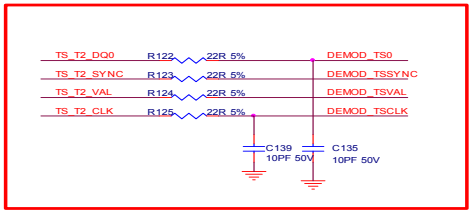
4,5,6,7,8,9,10,11,13,14,15,16,17,18,19,20,21,22

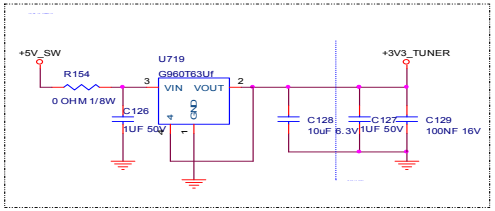
9-3-10 Tuner & Demod*







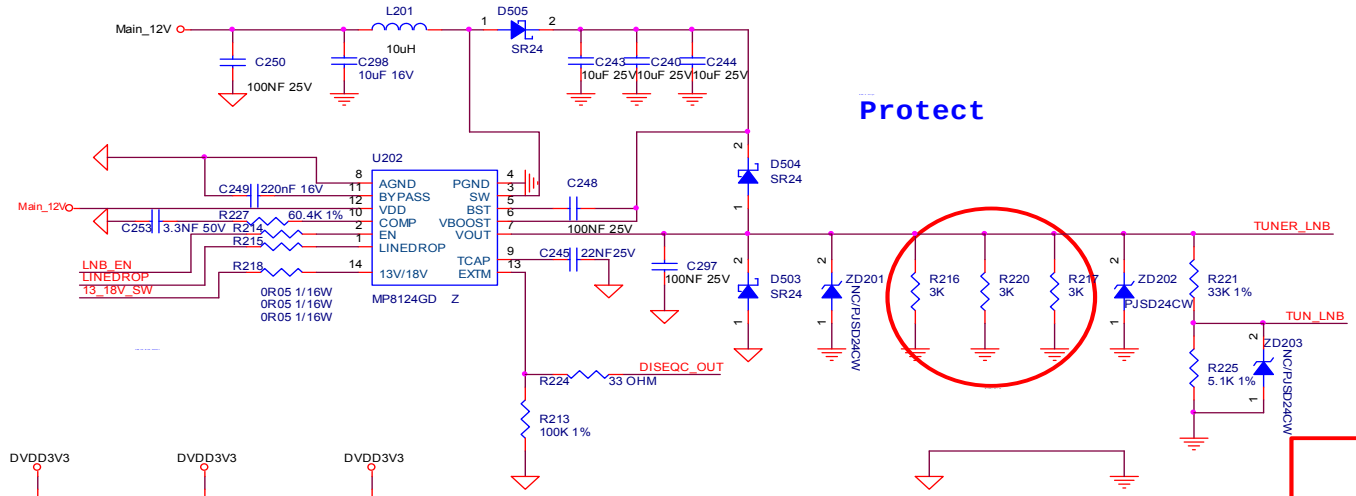


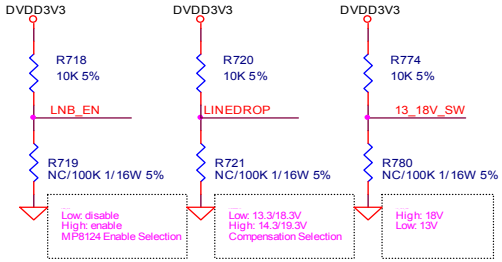


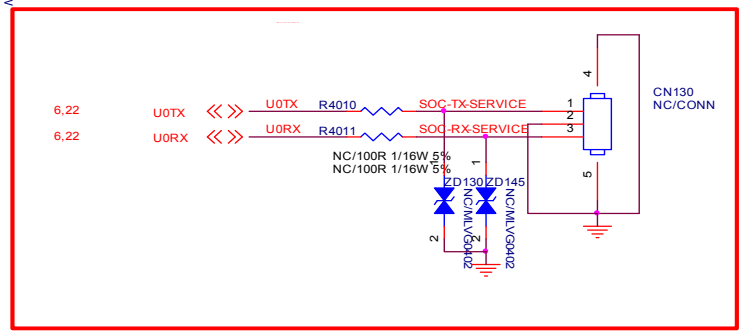
	356G0575048610	
	356G0575048613	

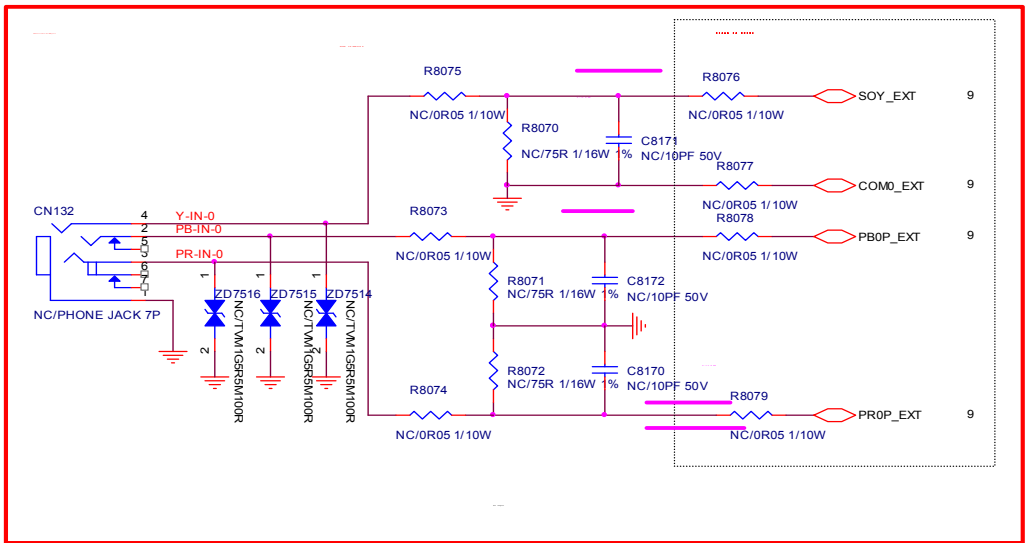
GND 4,5,6,7,8,9,10,11,12,14,15,16,17,18,19,20,21,22

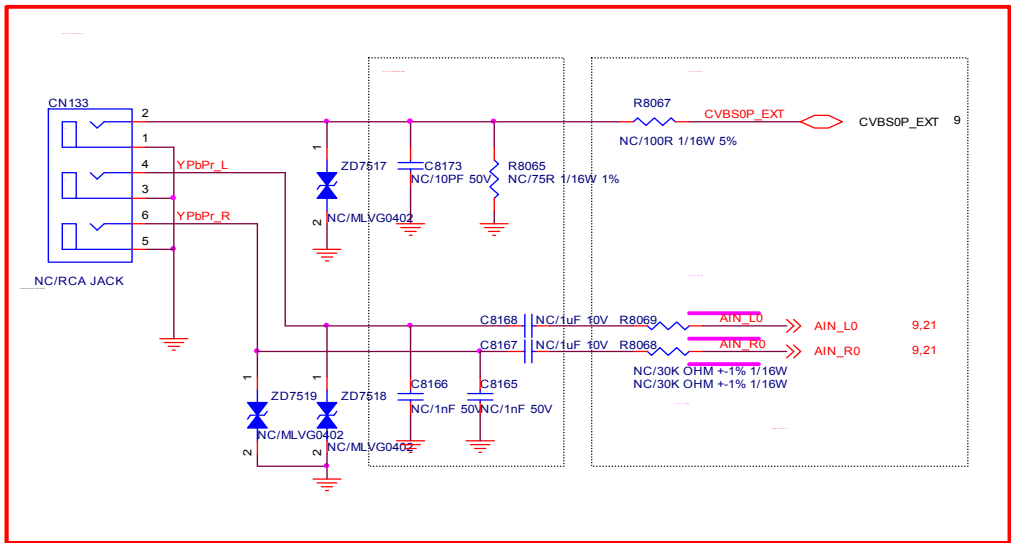
9-3-11 LNB & EXT AV INPUT



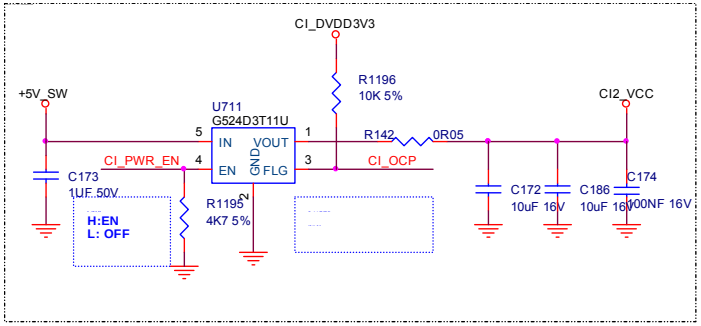


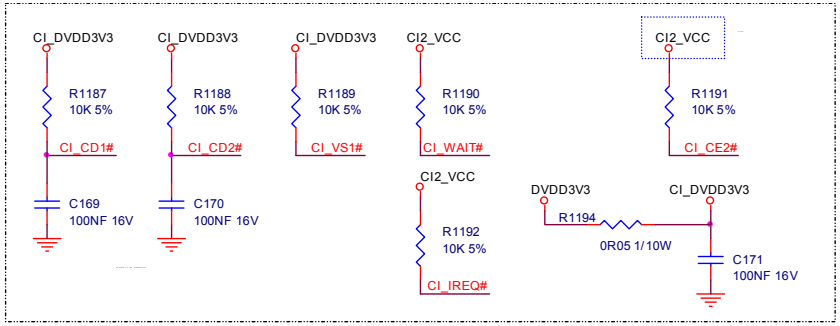


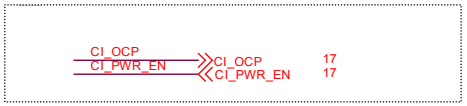


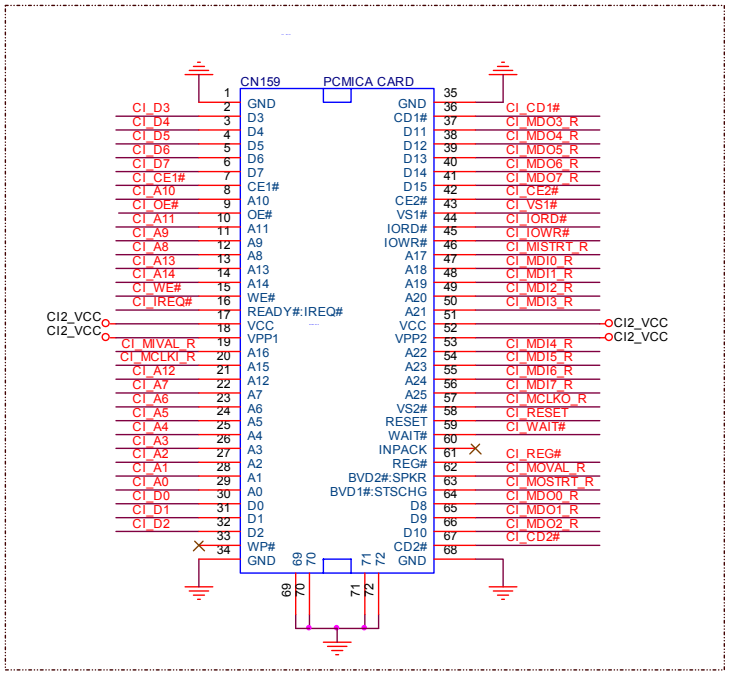


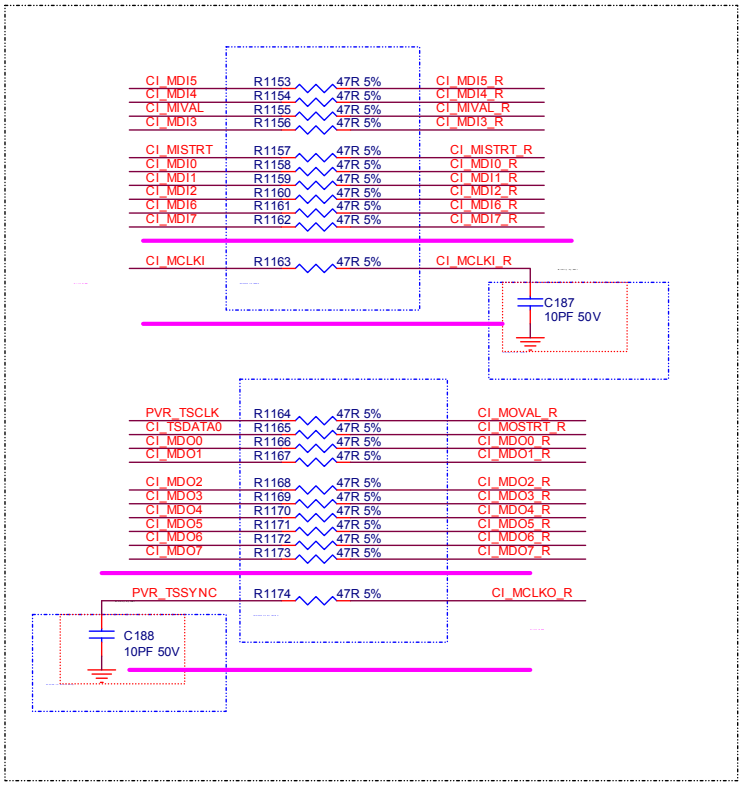
9-3-12 Internal CI

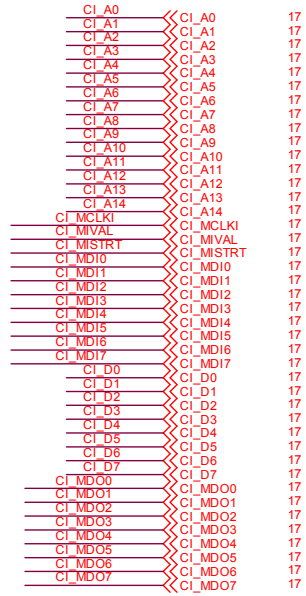


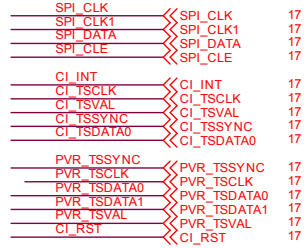


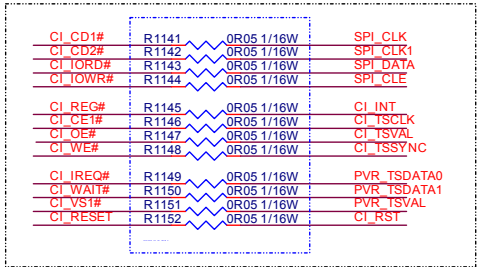




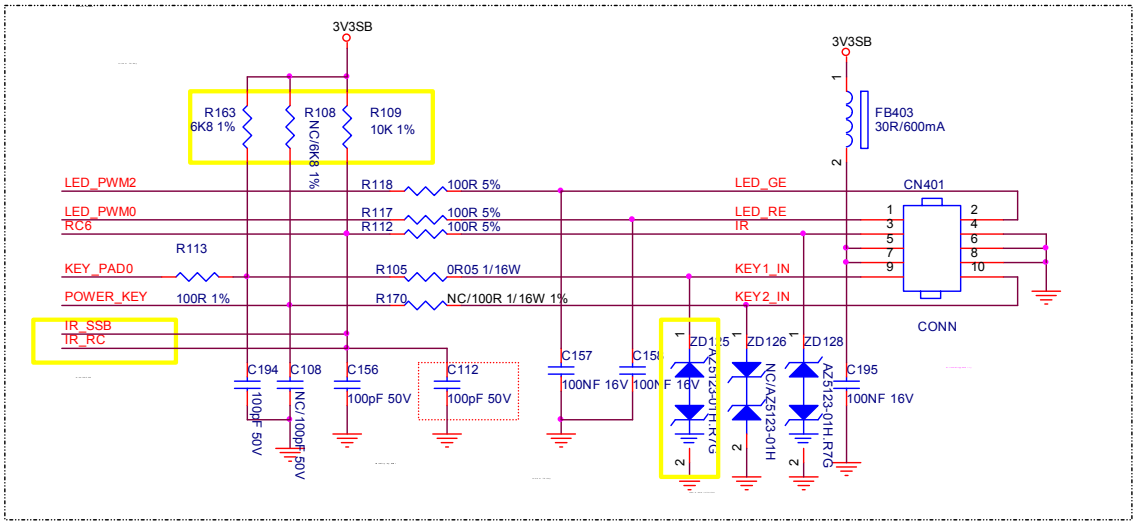


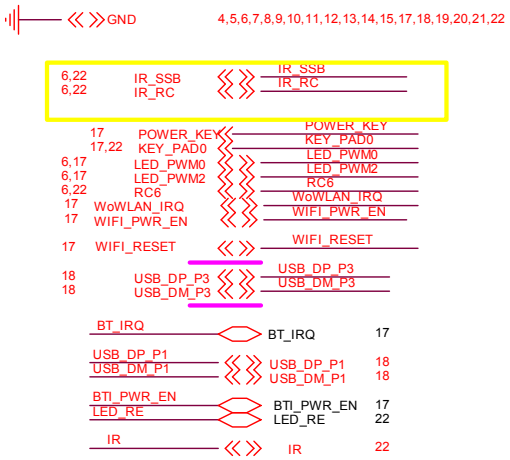


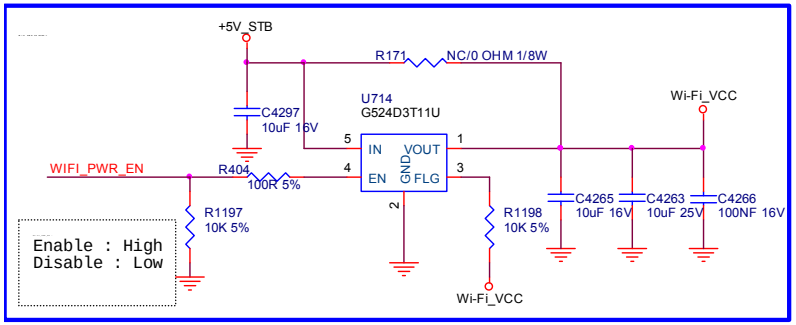


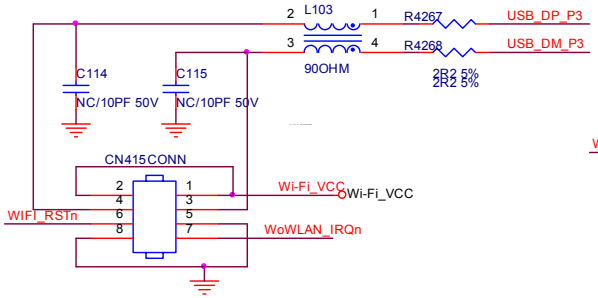


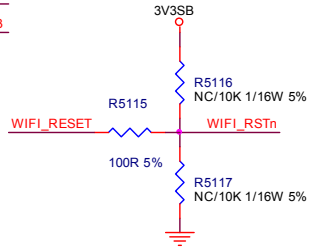
9-3-13 WIFI/KEYPAD

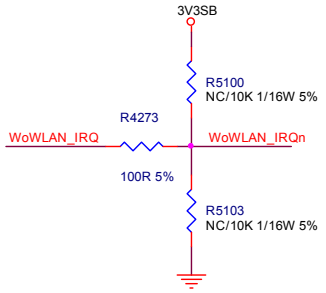


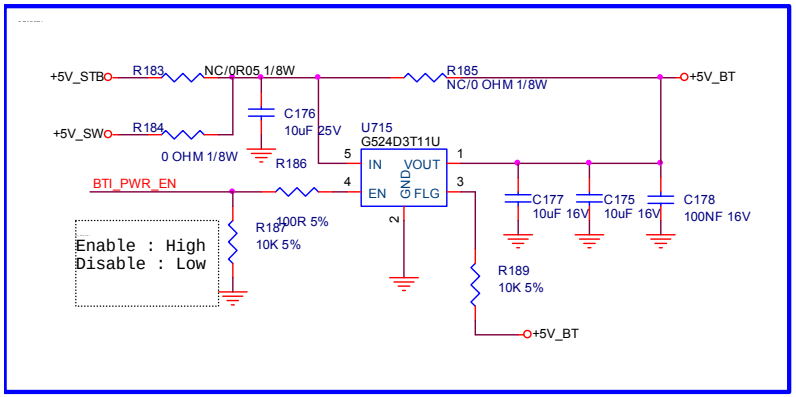


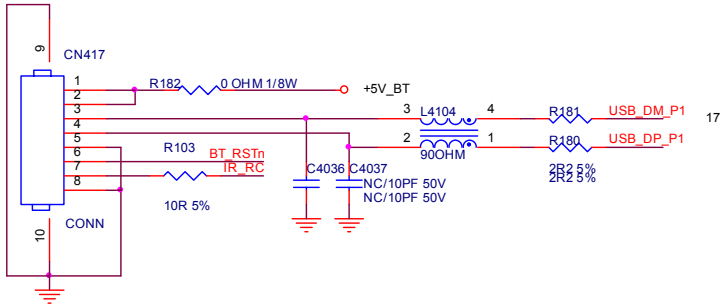


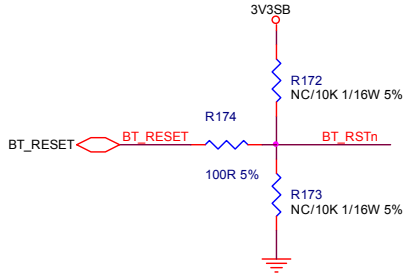


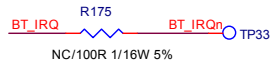






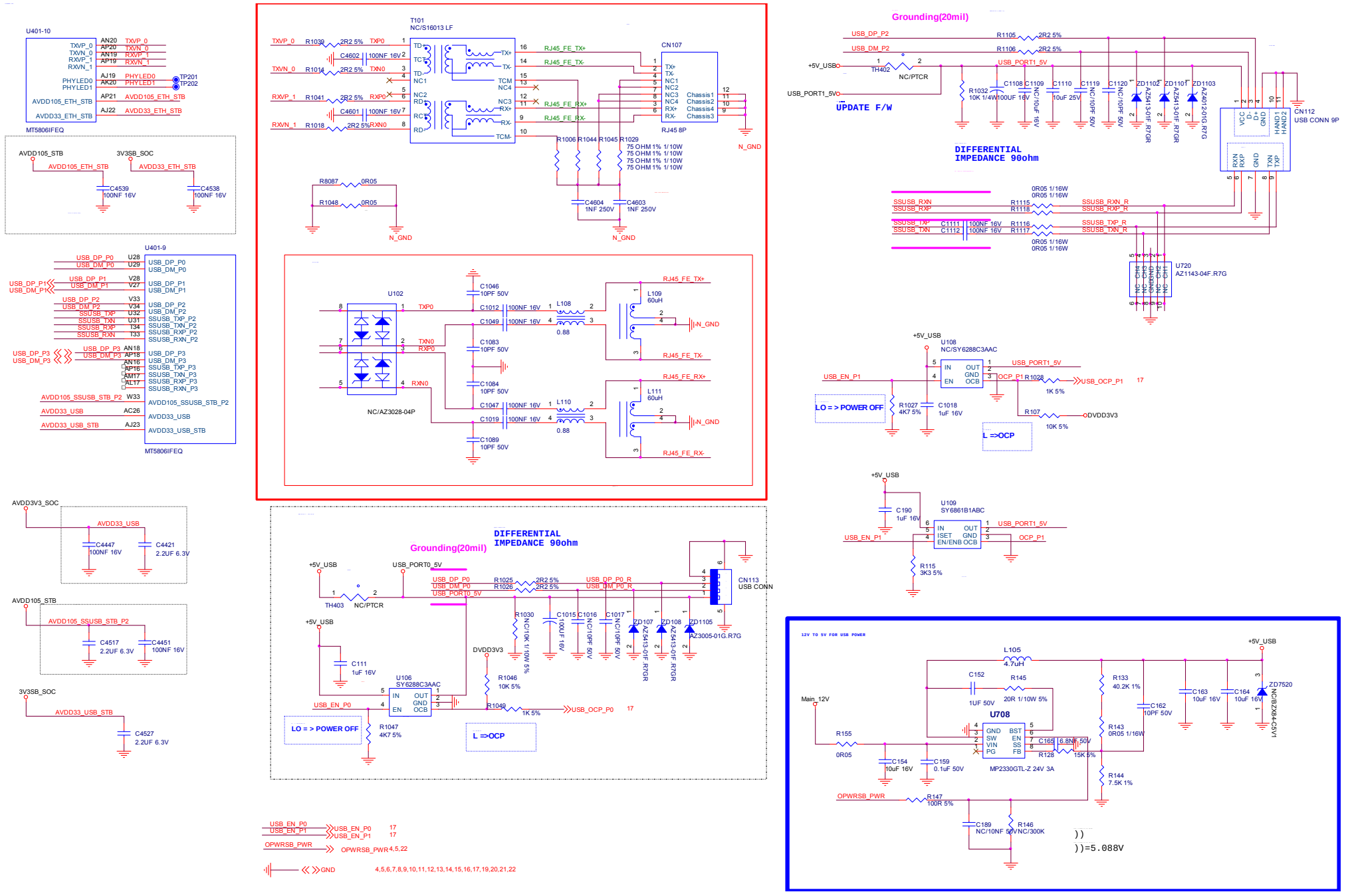






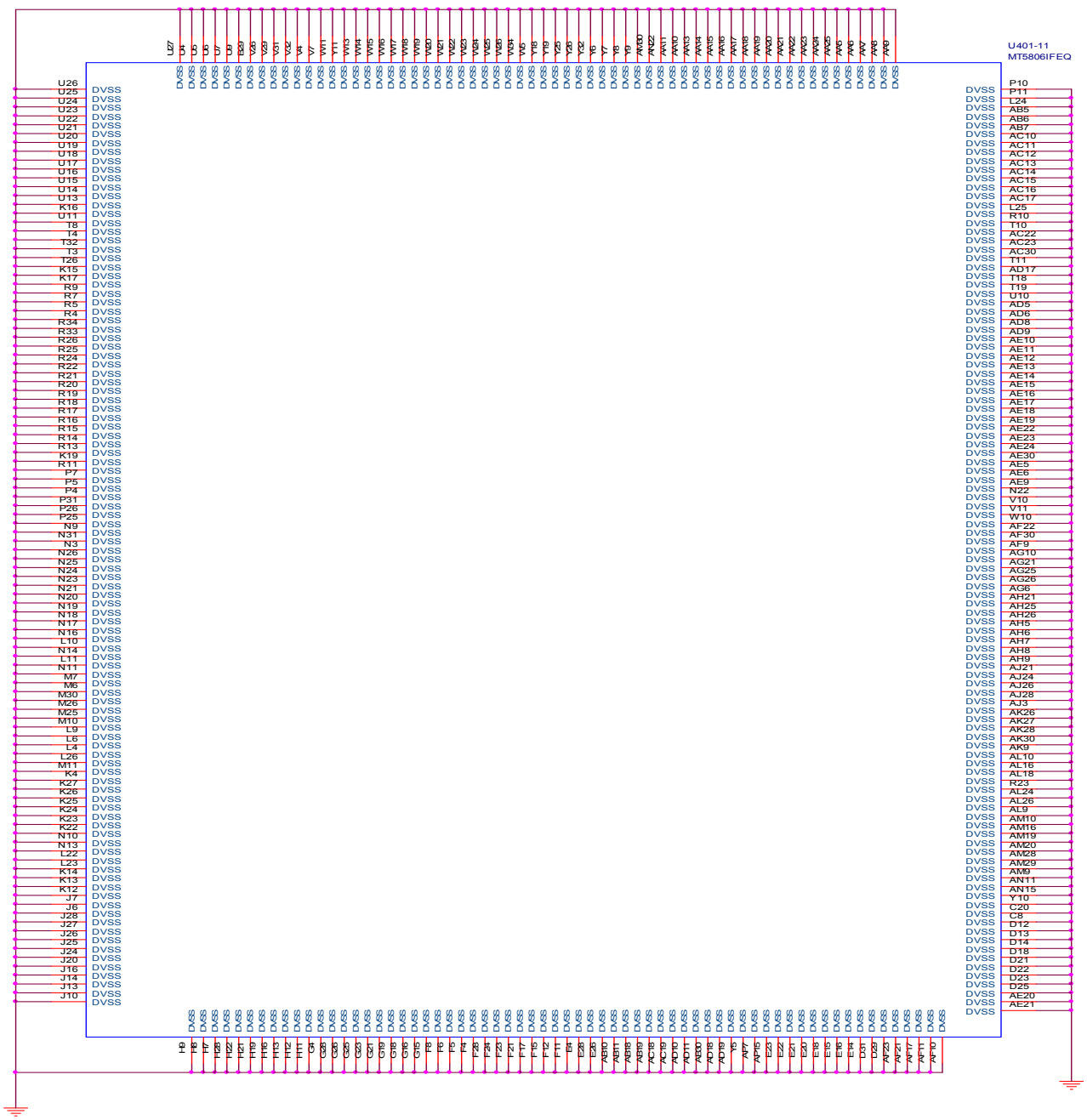
9-3-14 GPIO/ServAD

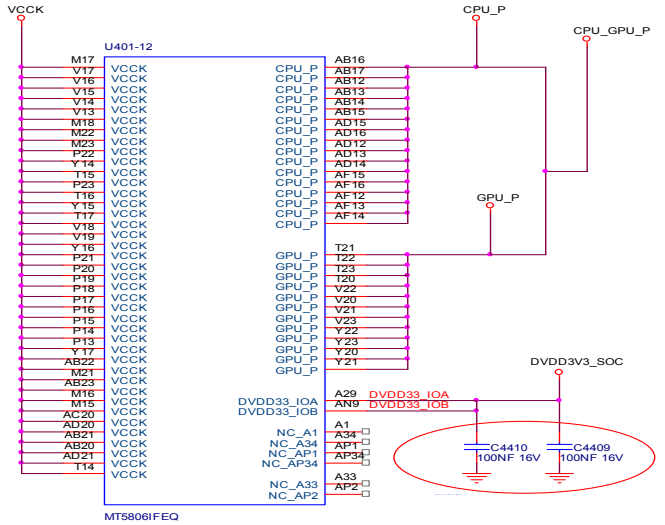
9-3-15 USB/ETHERNET PHY*



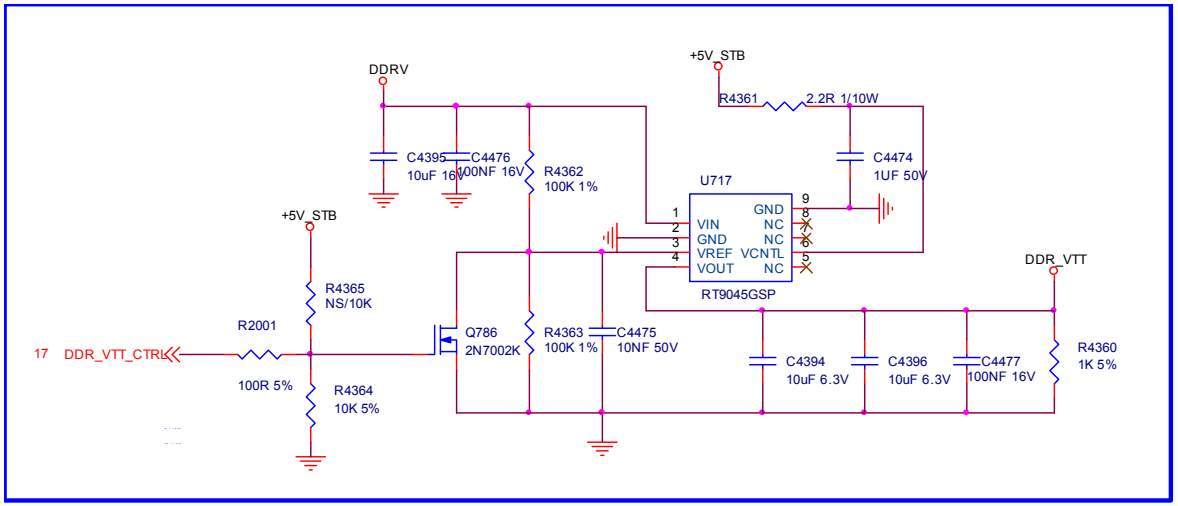
USB_EN_P0 → USB_EN_P0 17
USB_EN_P1 → USB_EN_P1 17
OPWRSB_PWR → OPWRSB_PWR 4,5,22
GND 4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22

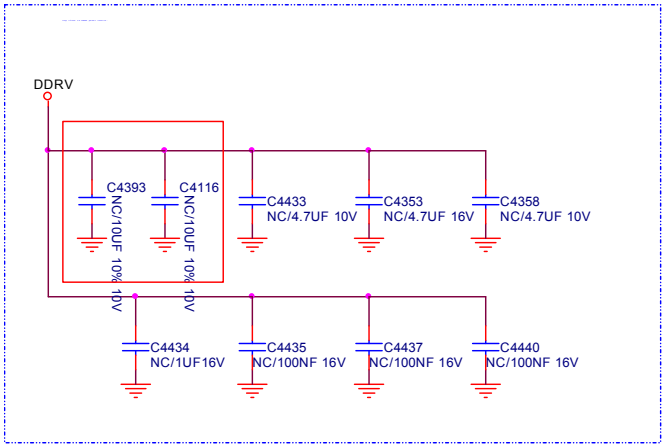
9-3-16 VCCK & DVSS

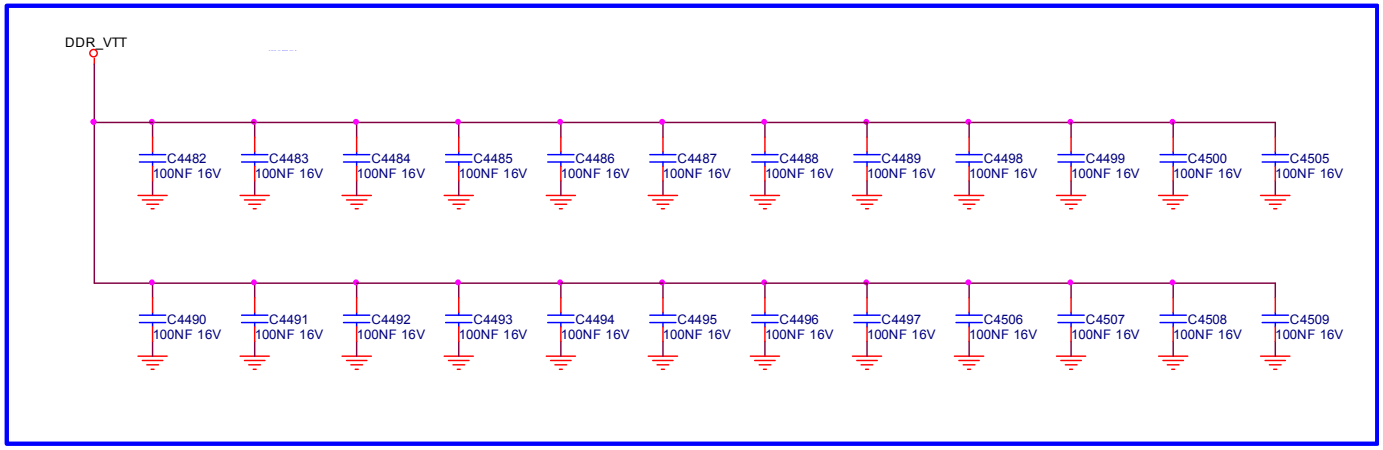




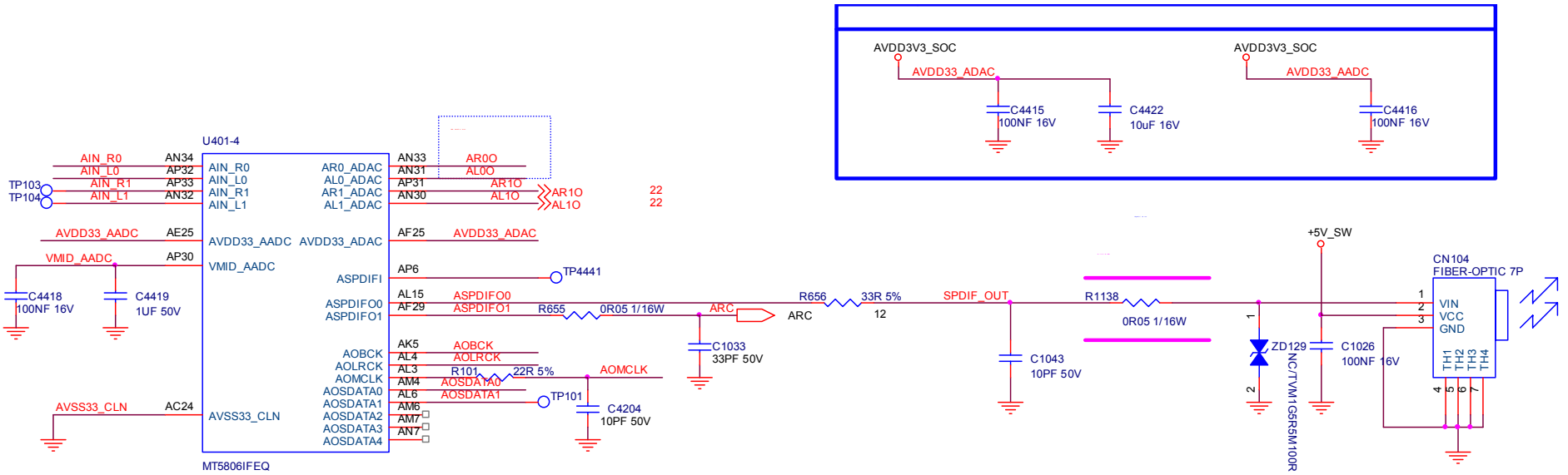
9-3-17 DDP POWER

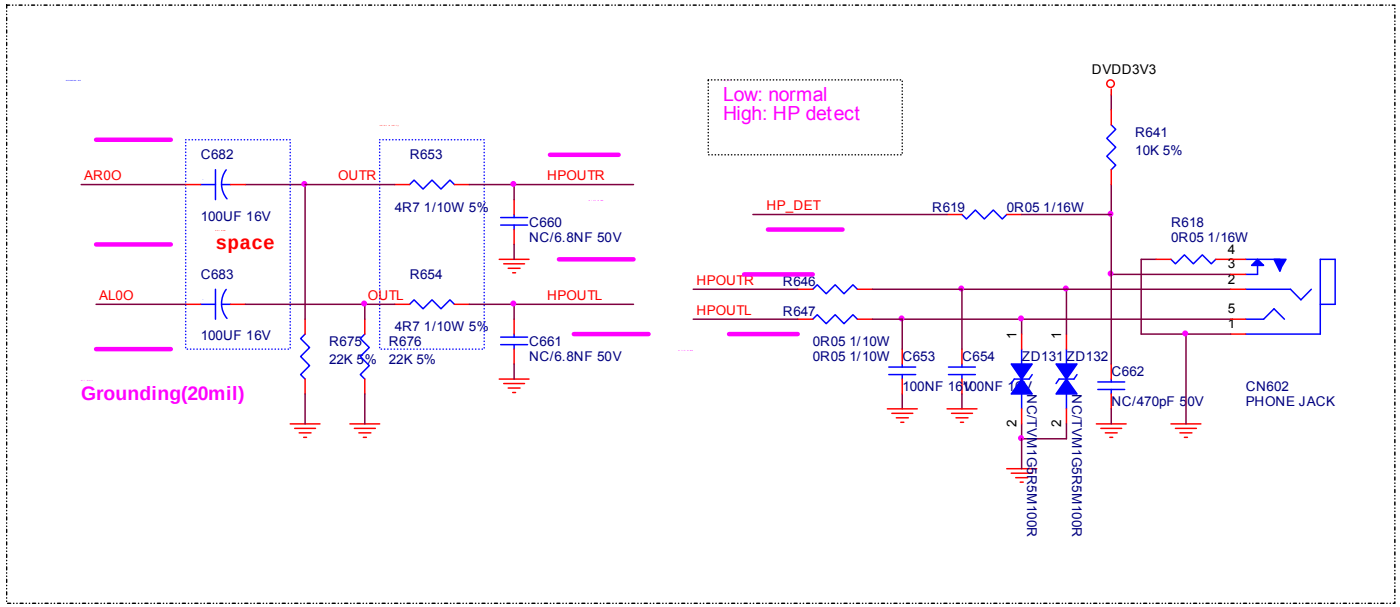


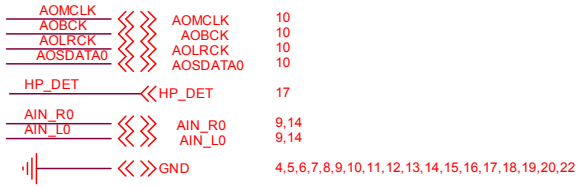




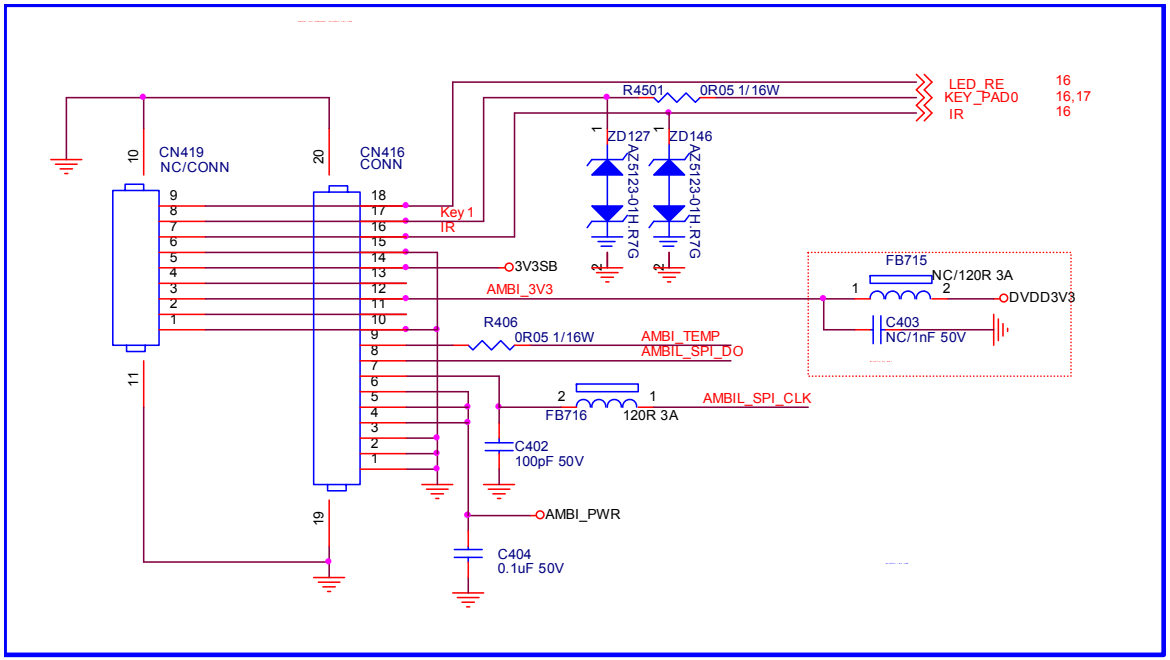
9-3-18 HP AND SPDIF

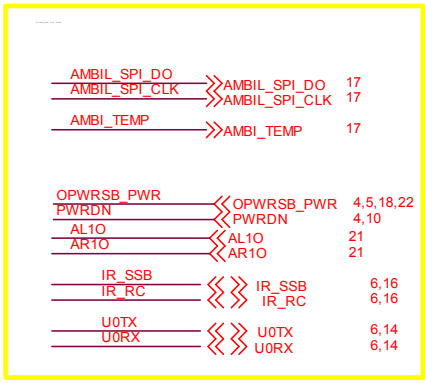


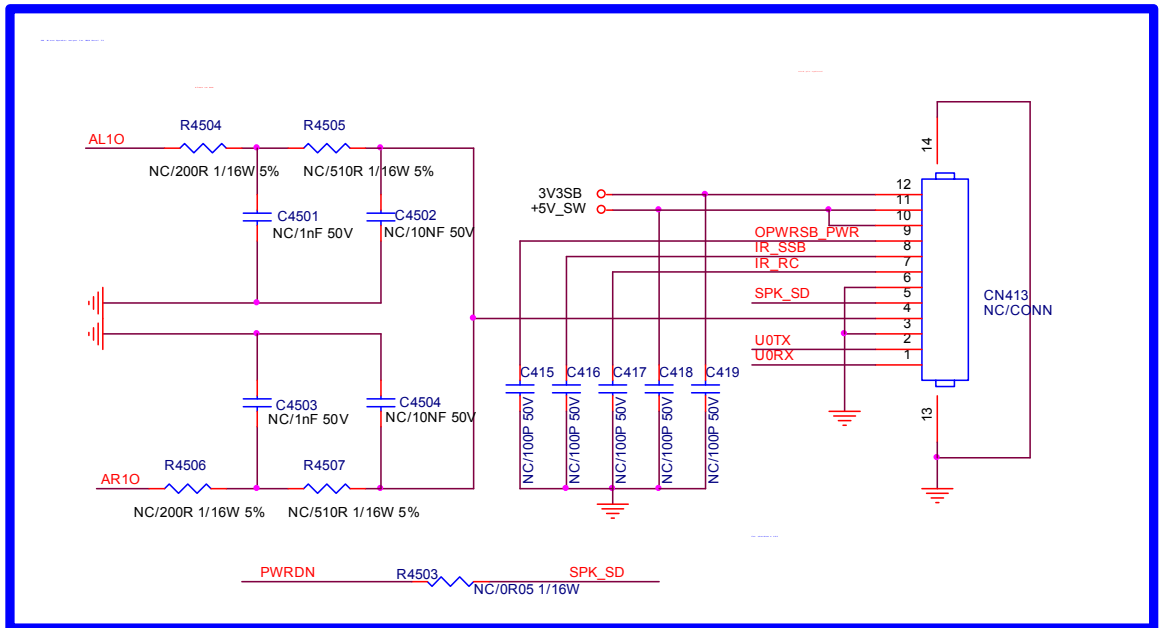


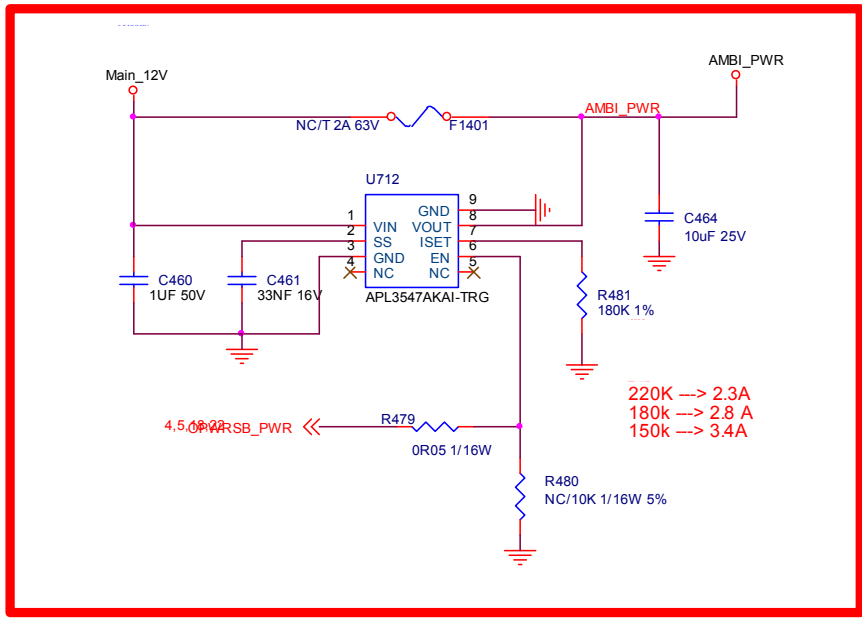


9-3-19 AMBILIGHT & Hotel TV



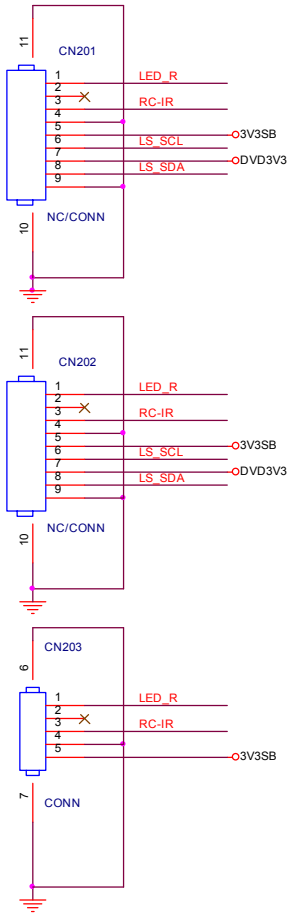


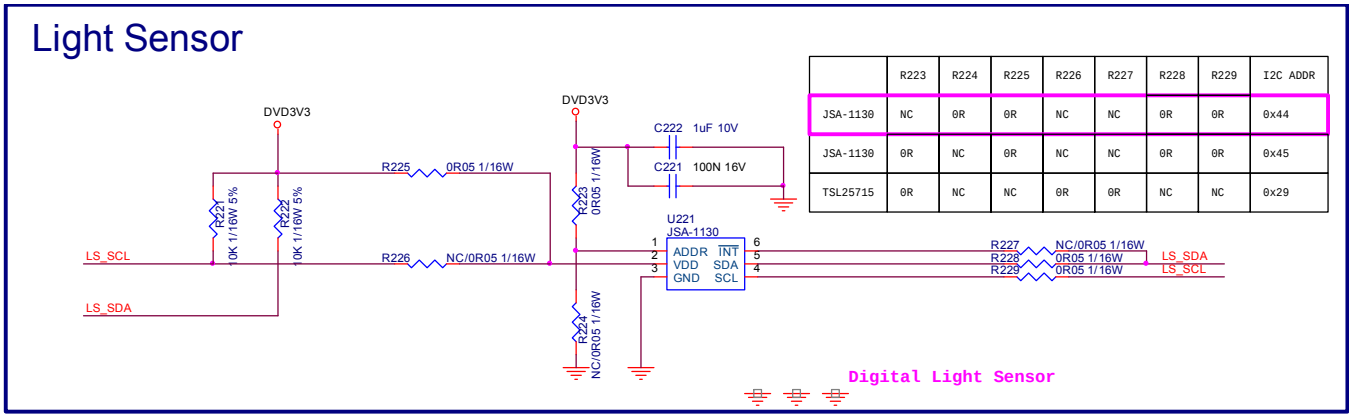




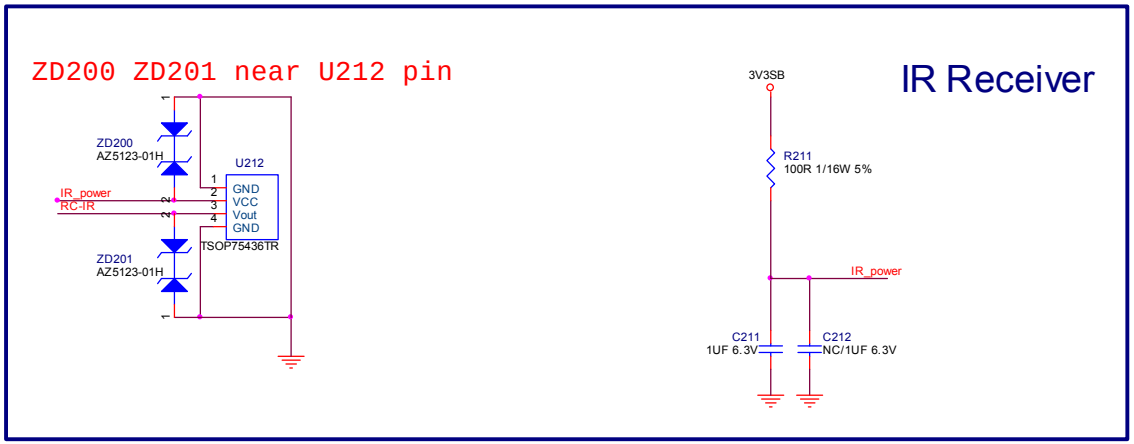
9.4 E 715G8623 IR Board (For 43”50” 6504 Series)

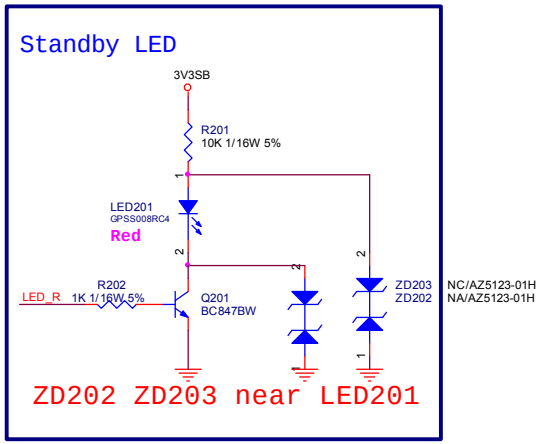
9-4-1 IR





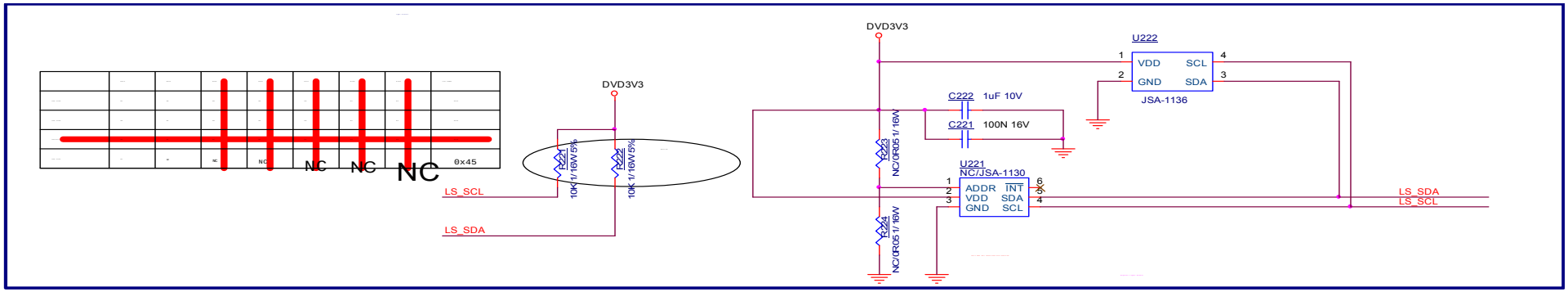
	R223	R224	R225	R226	R227	R228	R229	I2C ADDR
JSA-1130	NC	0R	0R	NC	NC	0R	0R	0x44
JSA-1130	0R	NC	0R	NC	NC	0R	0R	0x45
TSL25715	0R	NC	NC	0R	0R	NC	NC	0x29

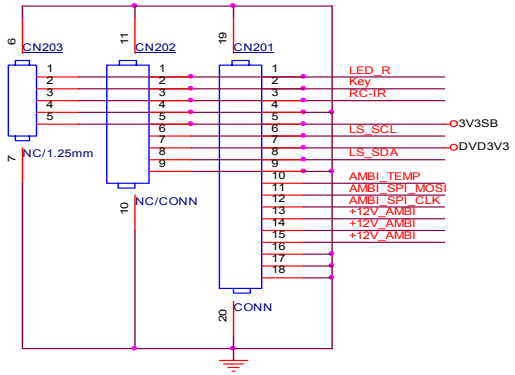


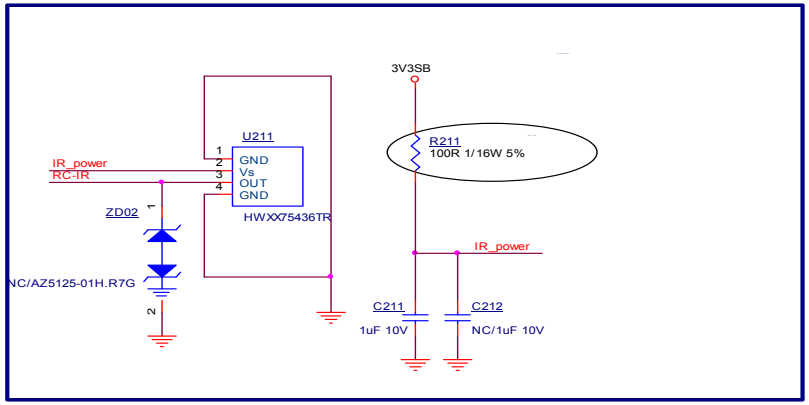


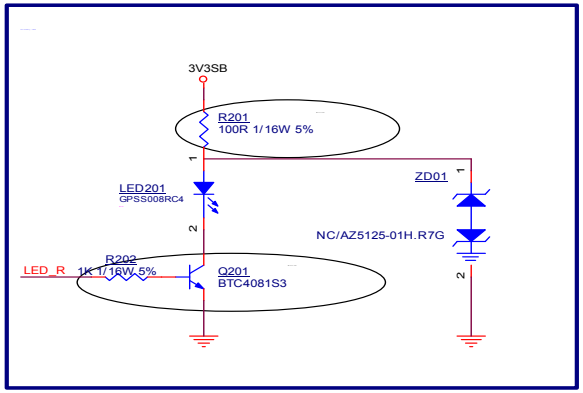
9.5 E 715GA039 IR Board (For 43”50” 6704 Series)

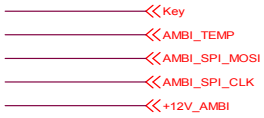
9-5-1 IR&STB LED&Light sensor

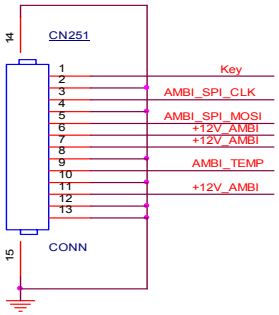


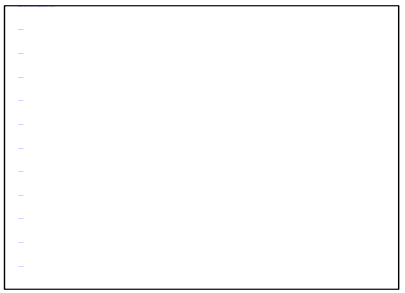


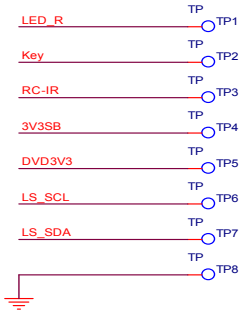






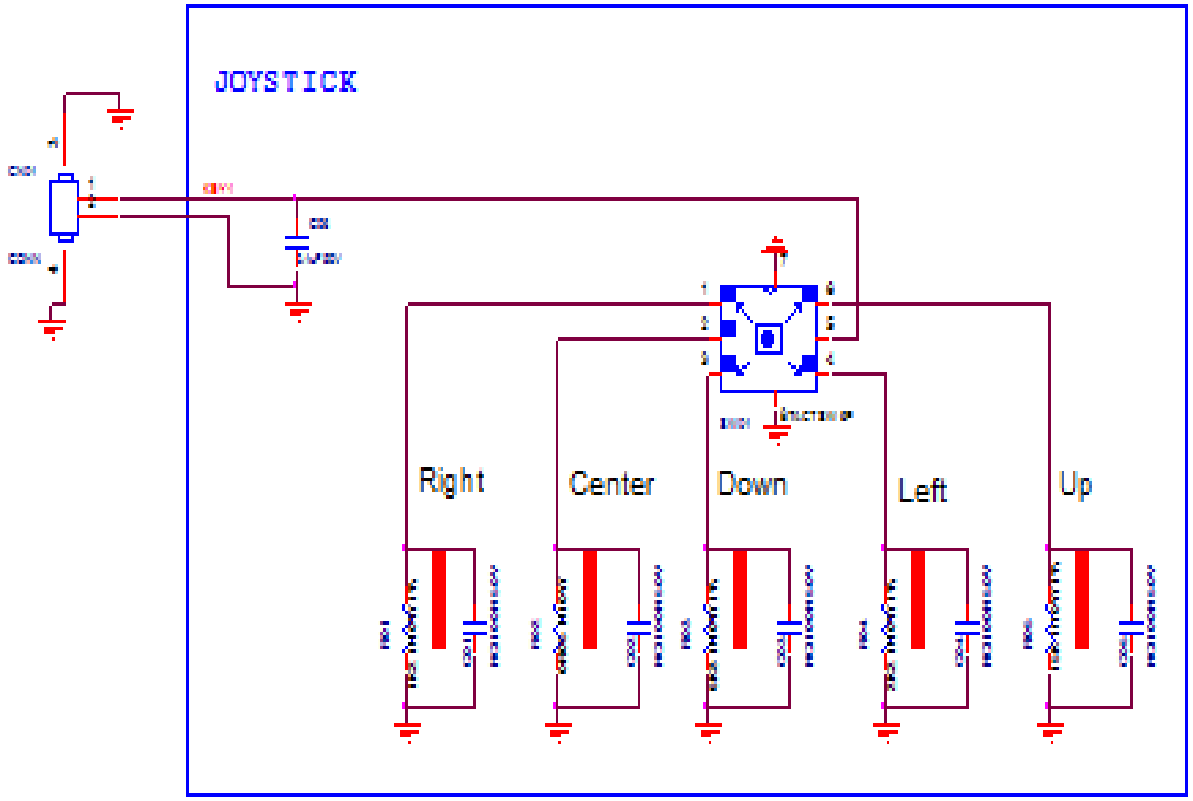






9.6 E 715G9740 Keyboard control panel (For 43”50” 6504/6704 Series)

9-6-1 Key



Direction	switch	Key function	Resistance	Voltage	Range
Center	2-5 short	Menu	0R	0V	0 to 0.22V
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	1.92 to 2.58 V
		No function		3.3V	3.135 to 3.465 V

Joystick circuit diagram

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