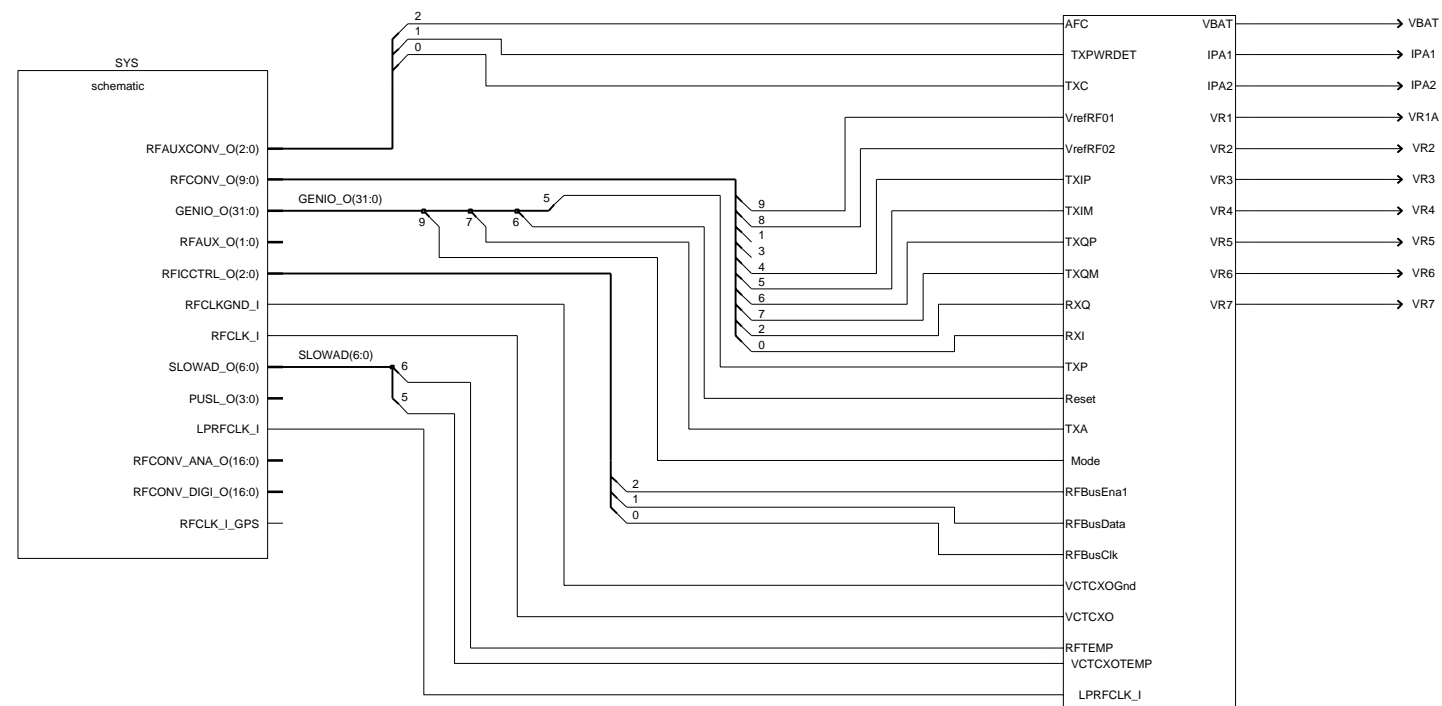
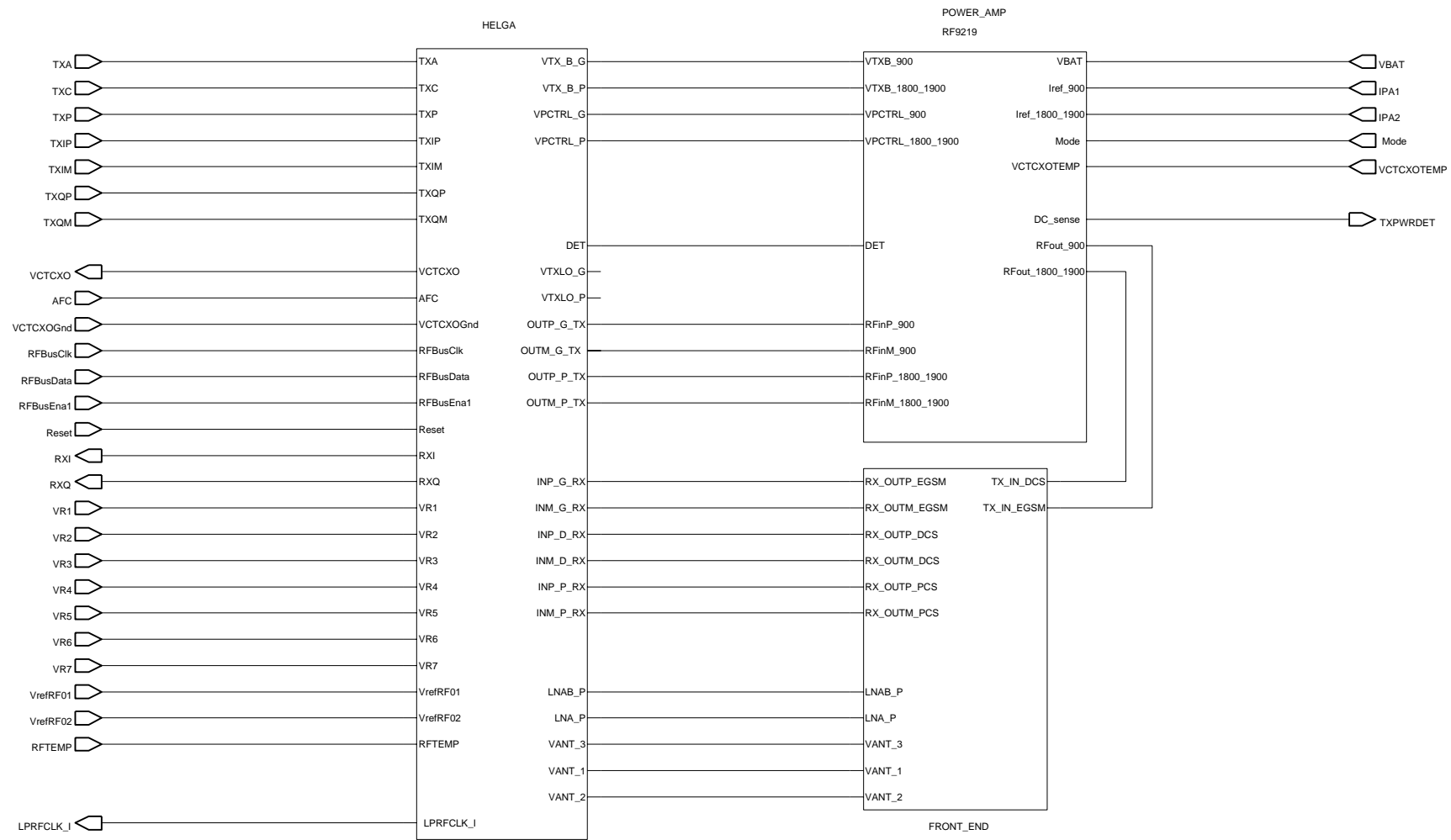


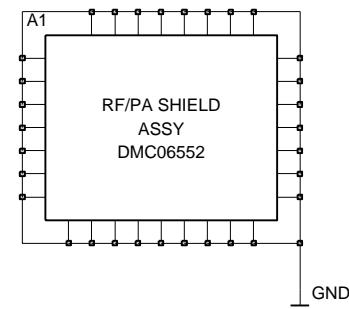
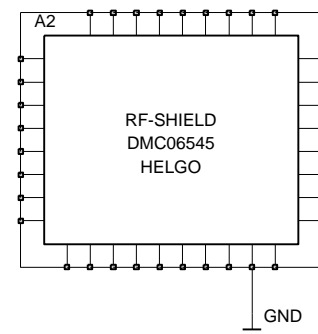
Top level



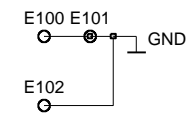
RF top level



RF shields and vias

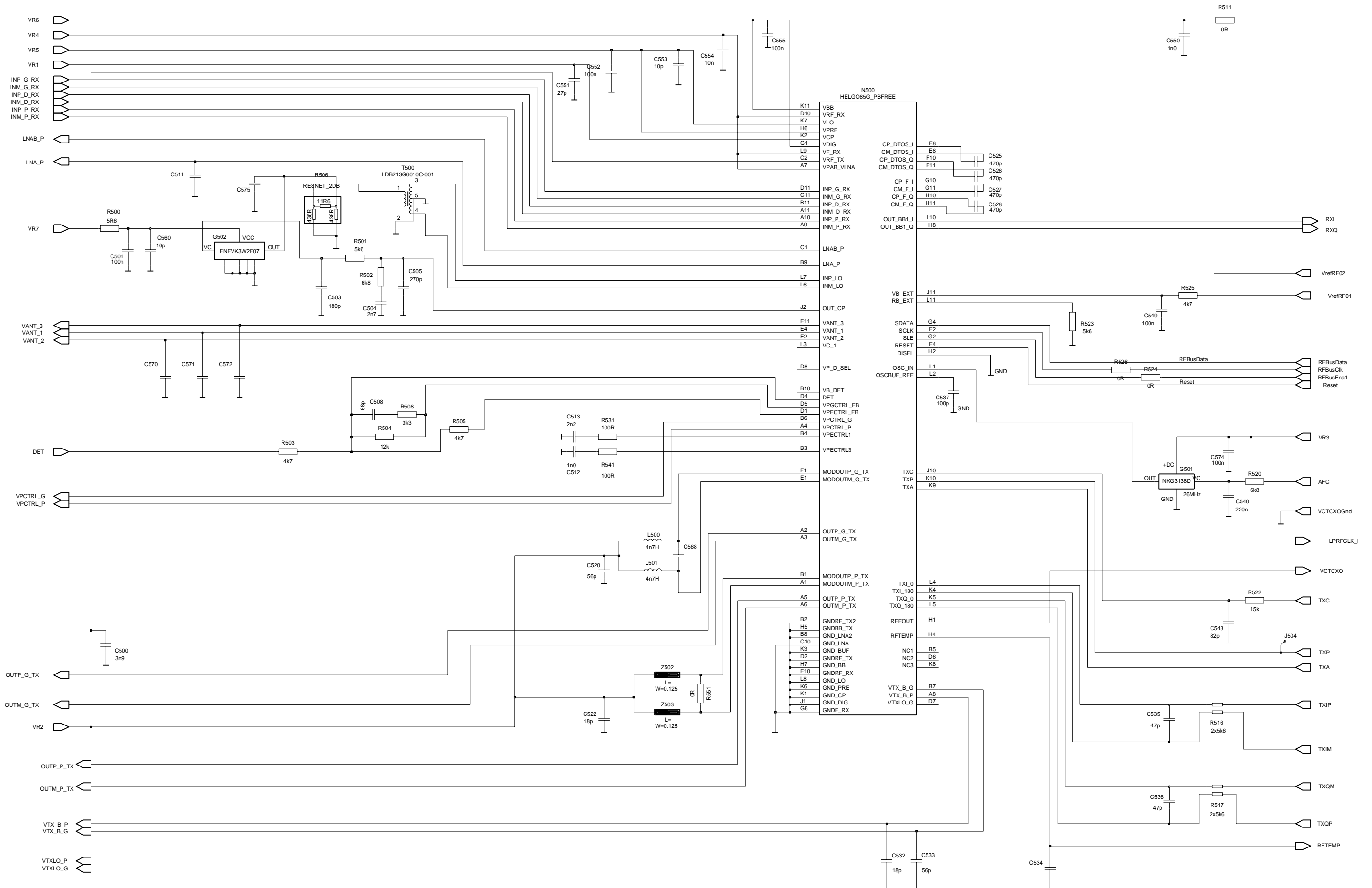


BB GLOBAL GND HOLES

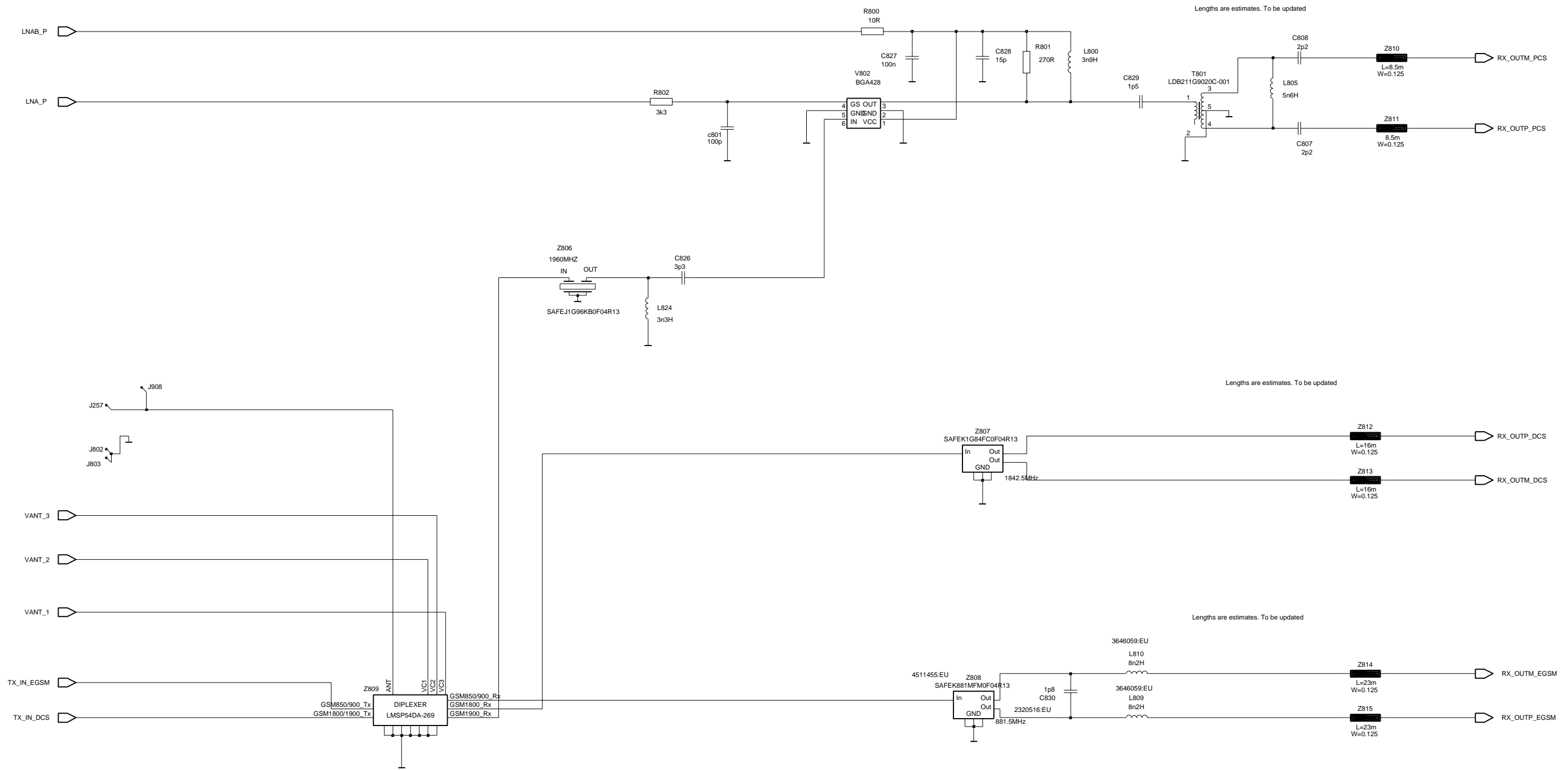


RF GLOBAL GND HOLES

Helgo

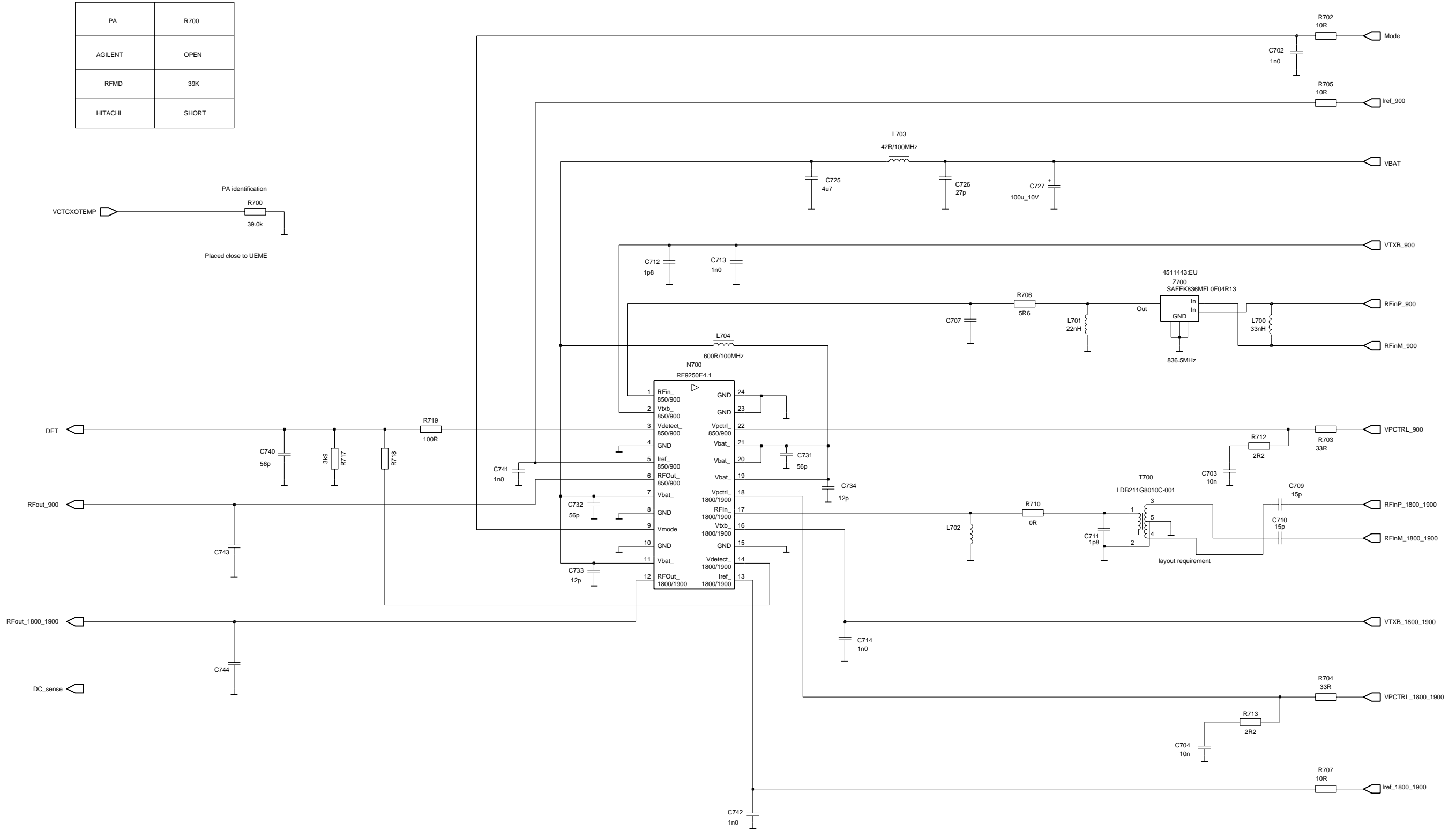


RX front and antenna switch

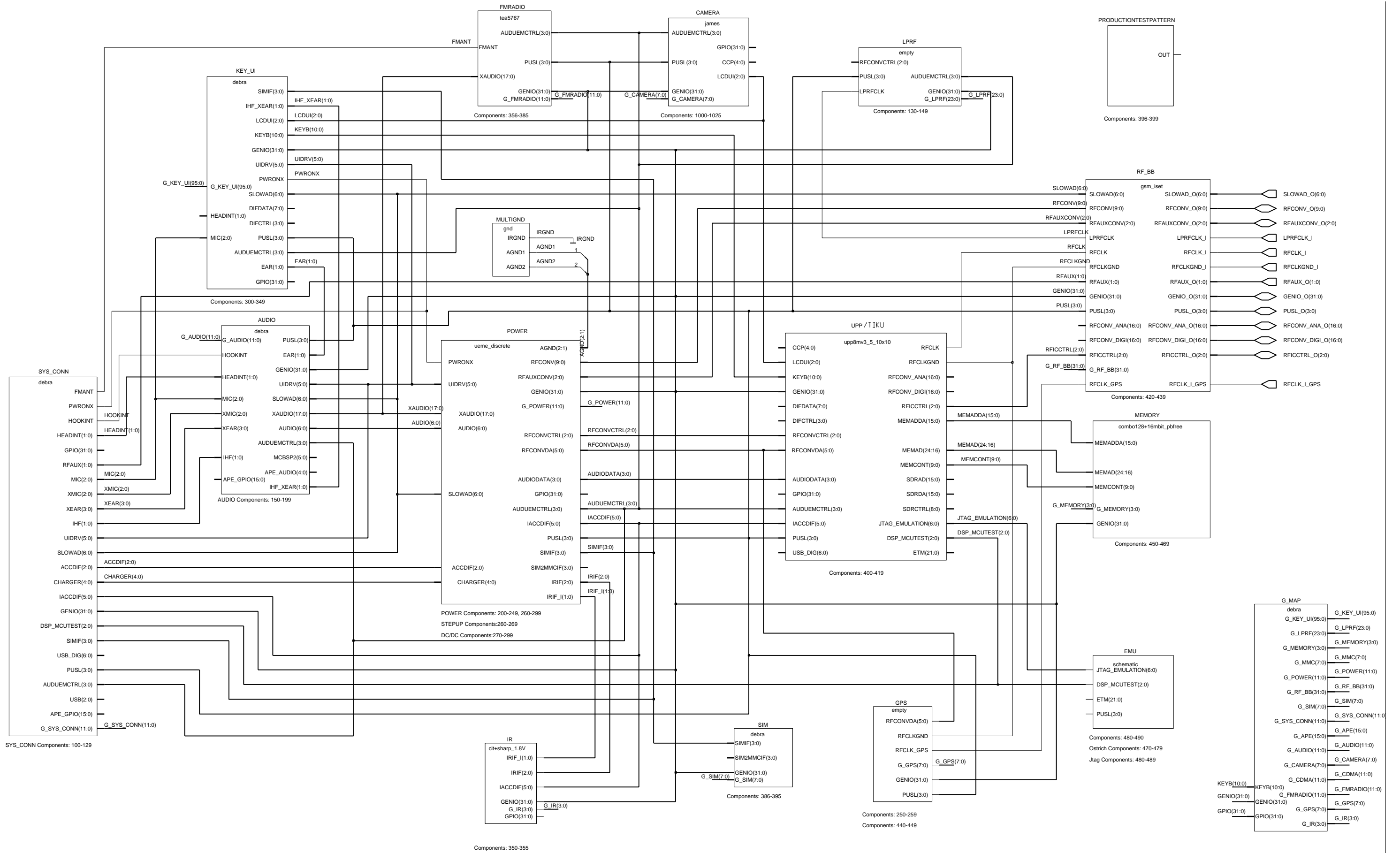


Power amplifier and power detection

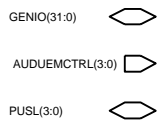
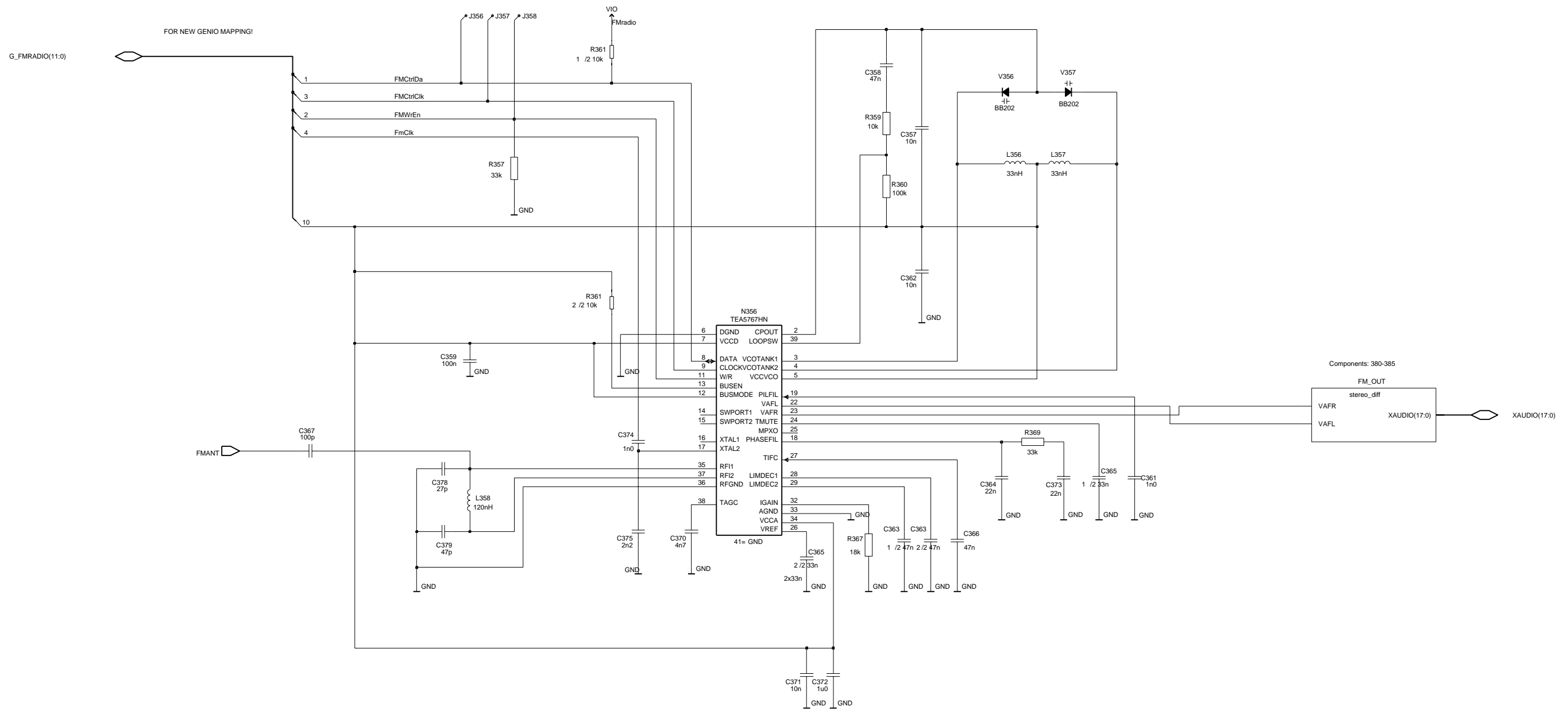
PA	R700
AGILENT	OPEN
RFMD	39K
HITACHI	SHORT



DCT4 common baseband

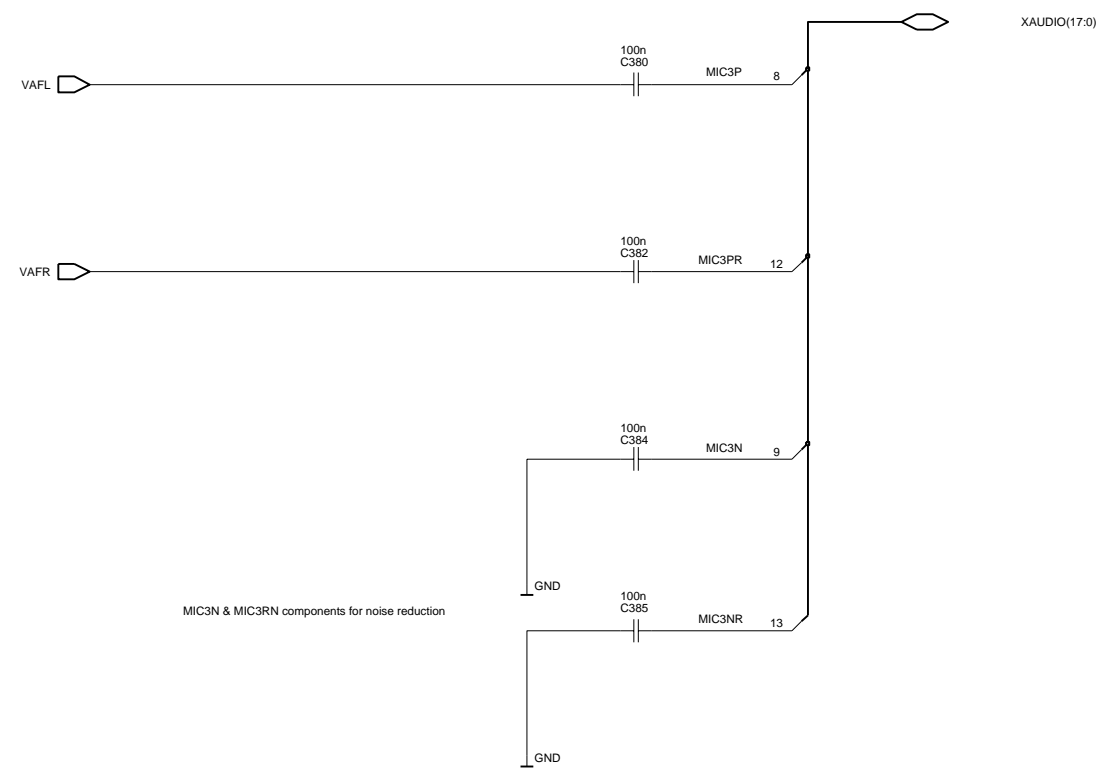


FM radio unit



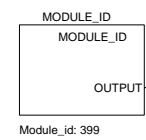
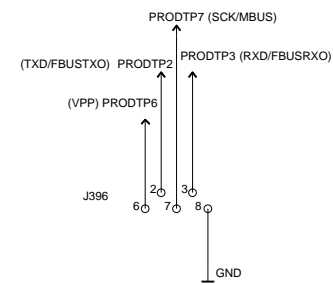
Notice:
 C374 (1n0) and C375 (2n2) are configured for 32kHz reference clock
 If reference clock is 6.5MHz, use C374 (3p9) and C375 (10p)

Differential stereo



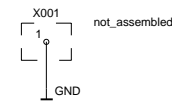
5 pin production test pattern

OUT

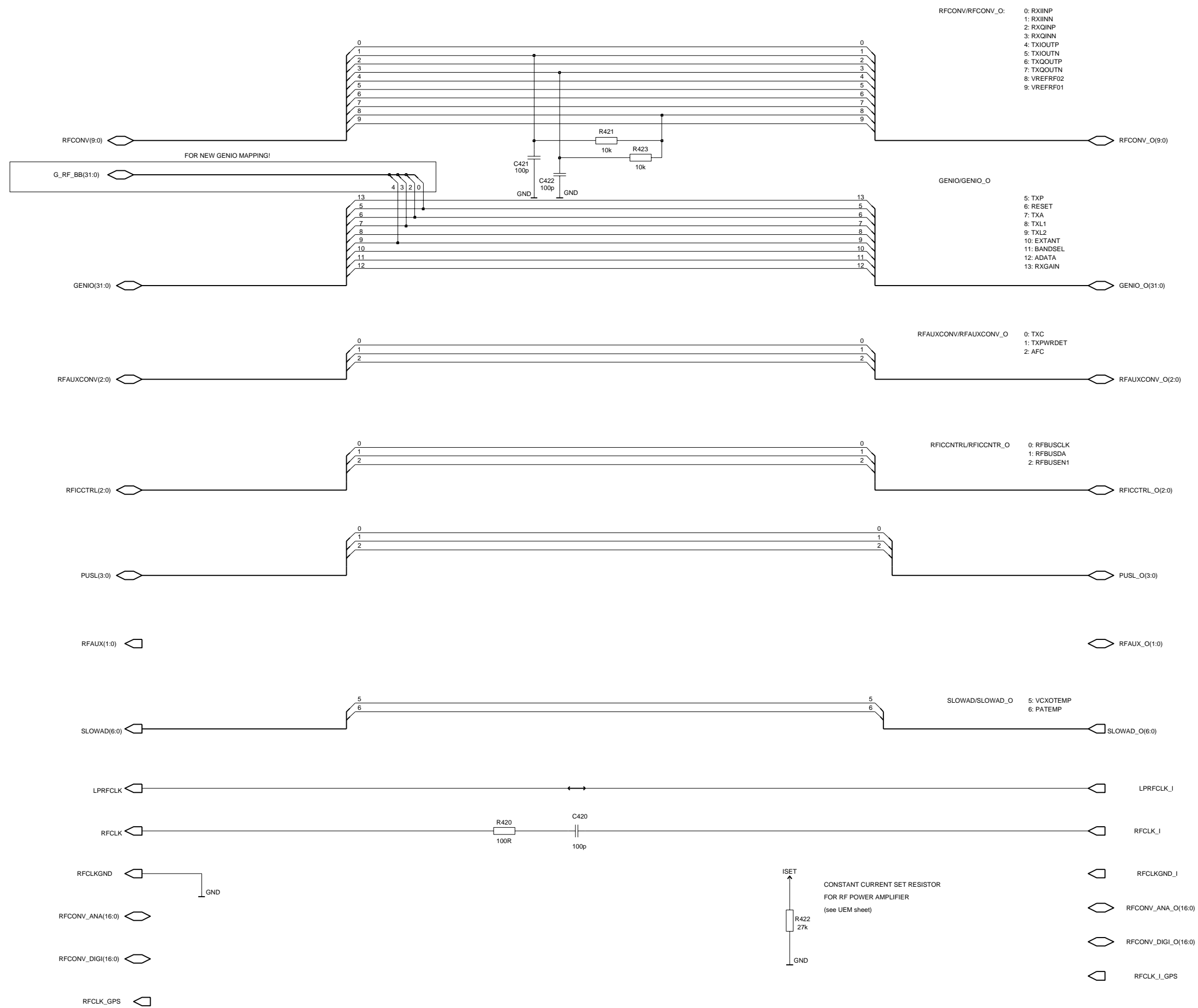


Module ID

OUTPUT 

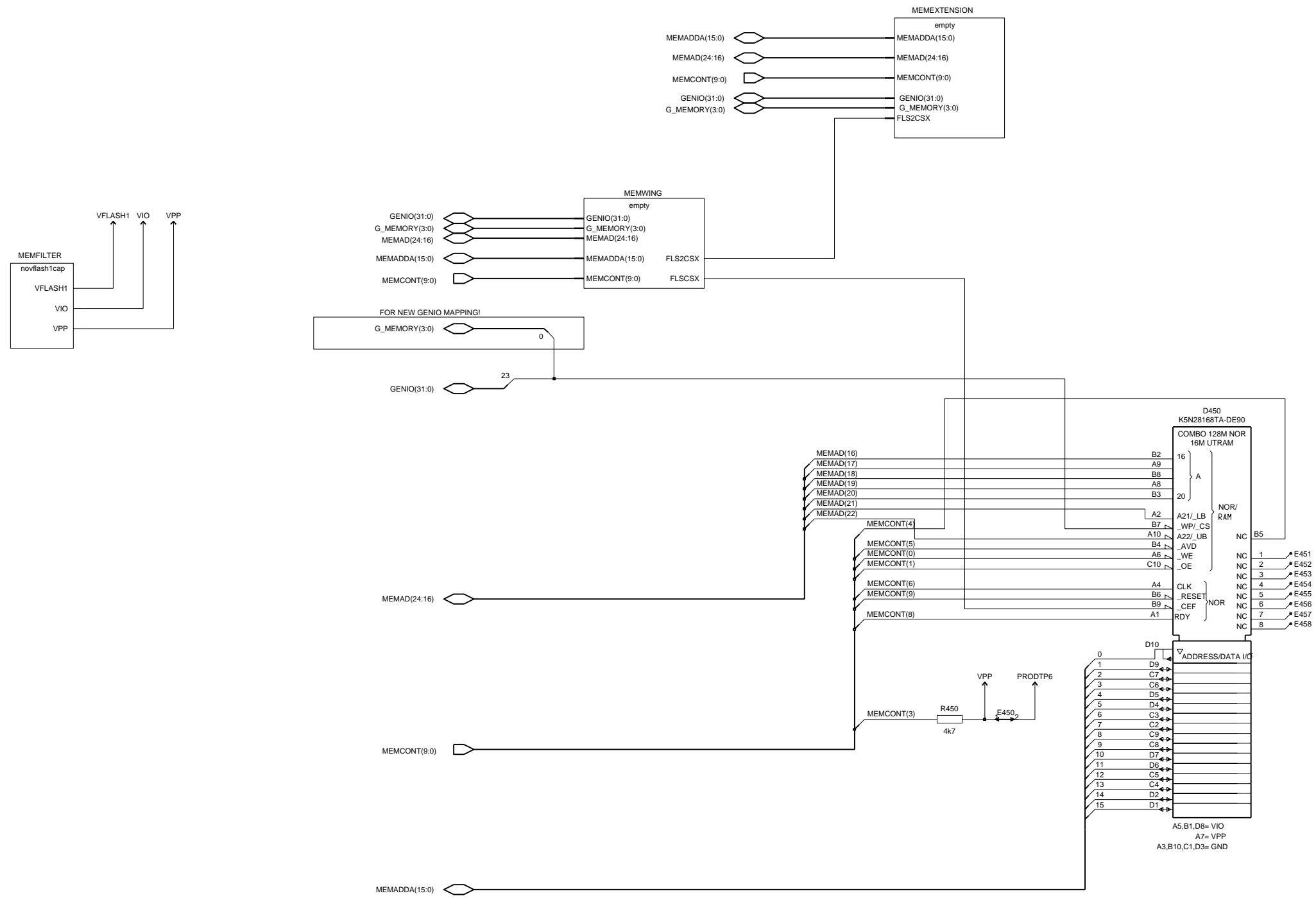


GSM RF-baseband interface



IPA1 AND IPA2 ARE USED IN RF, THE TOLERANCE OF R422 IS 1% (0402, 1430873)

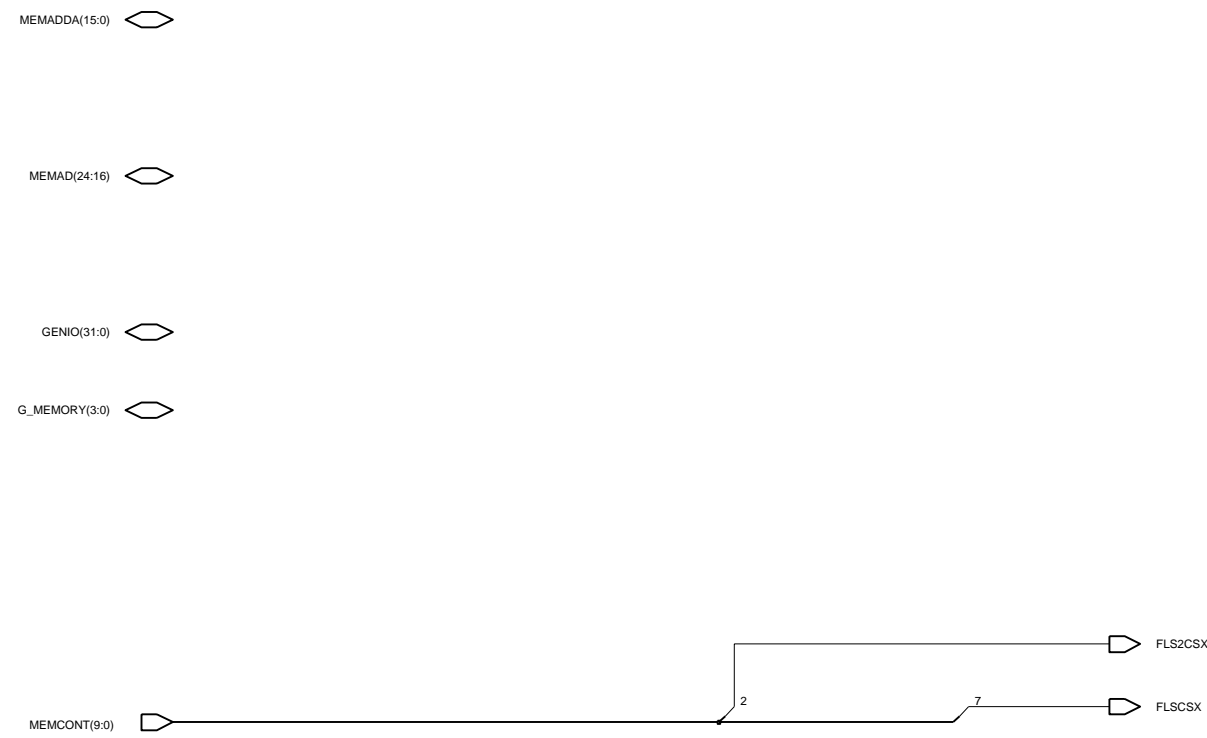
Combo memory 128+16 Mbt pb free



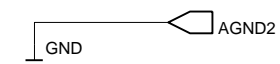
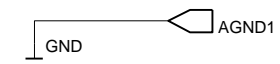
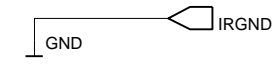
Discrete capacitors



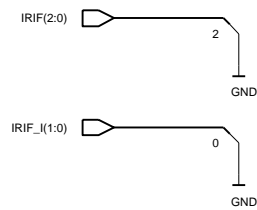
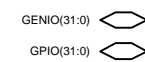
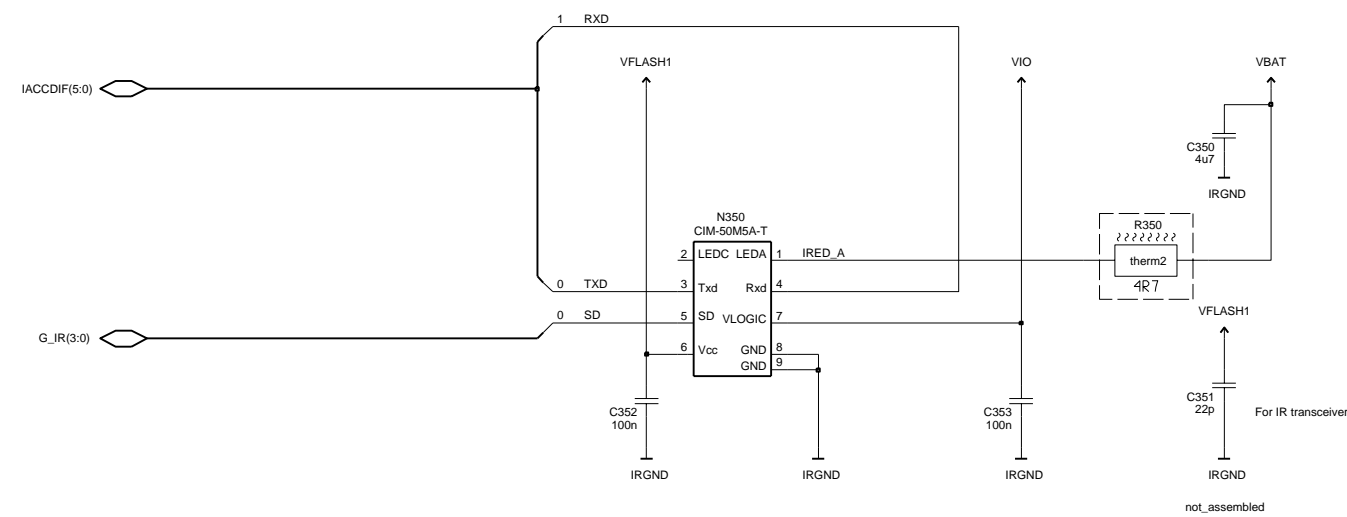
Empty wing sheets



Multi GND



IR Module 1.8V



Used referenses

- C 350 - 353
- N 350
- R 350

G-map

G_LPRF(23:0)

G_MMC(7:0)

G_POWER(11:0)

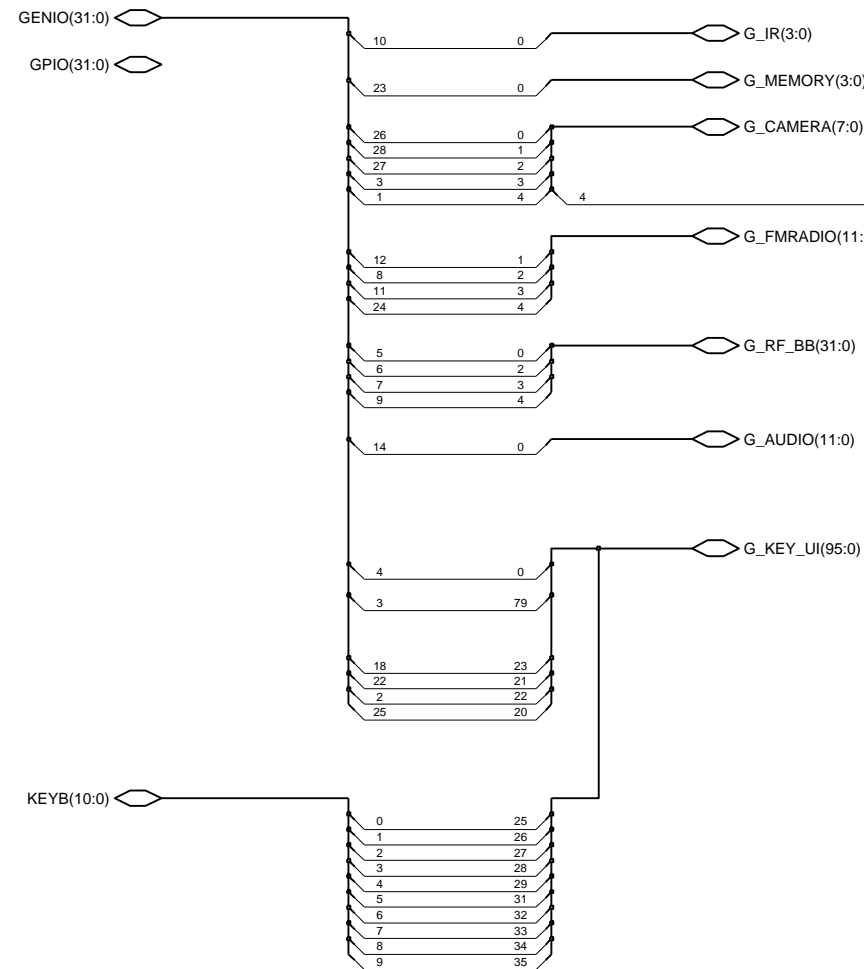
G_SIM(7:0)

G_SYS_CONN(11:0)

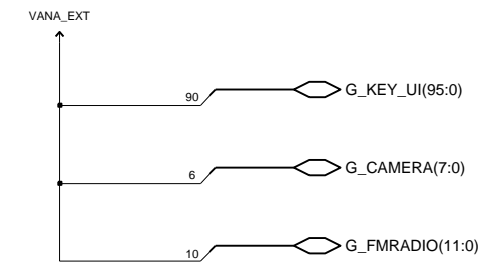
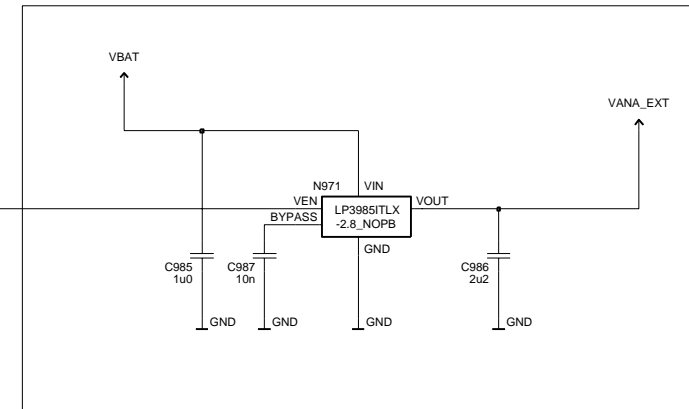
G_APE(15:0)

G_CDMA(11:0)

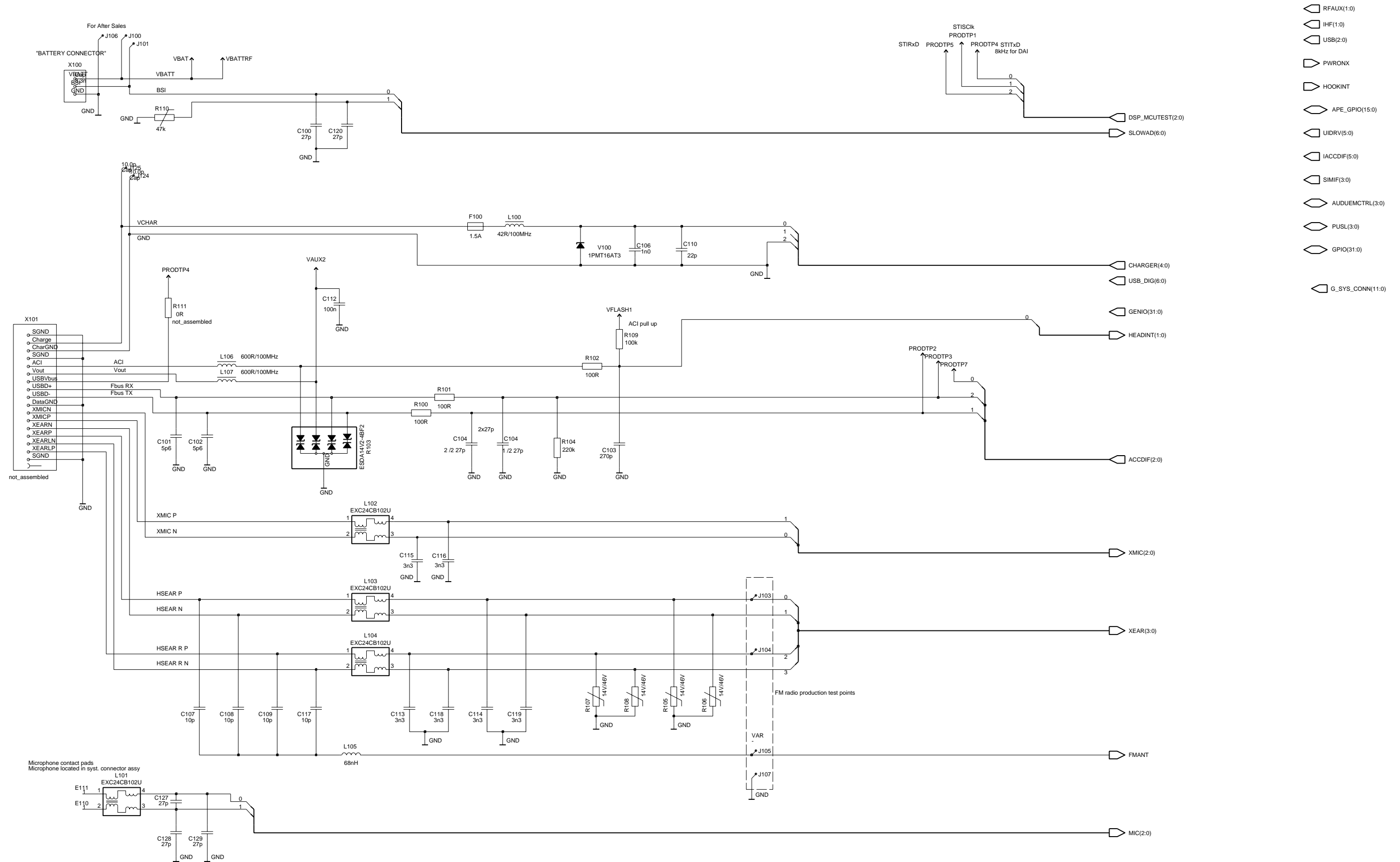
G_GPS(7:0)



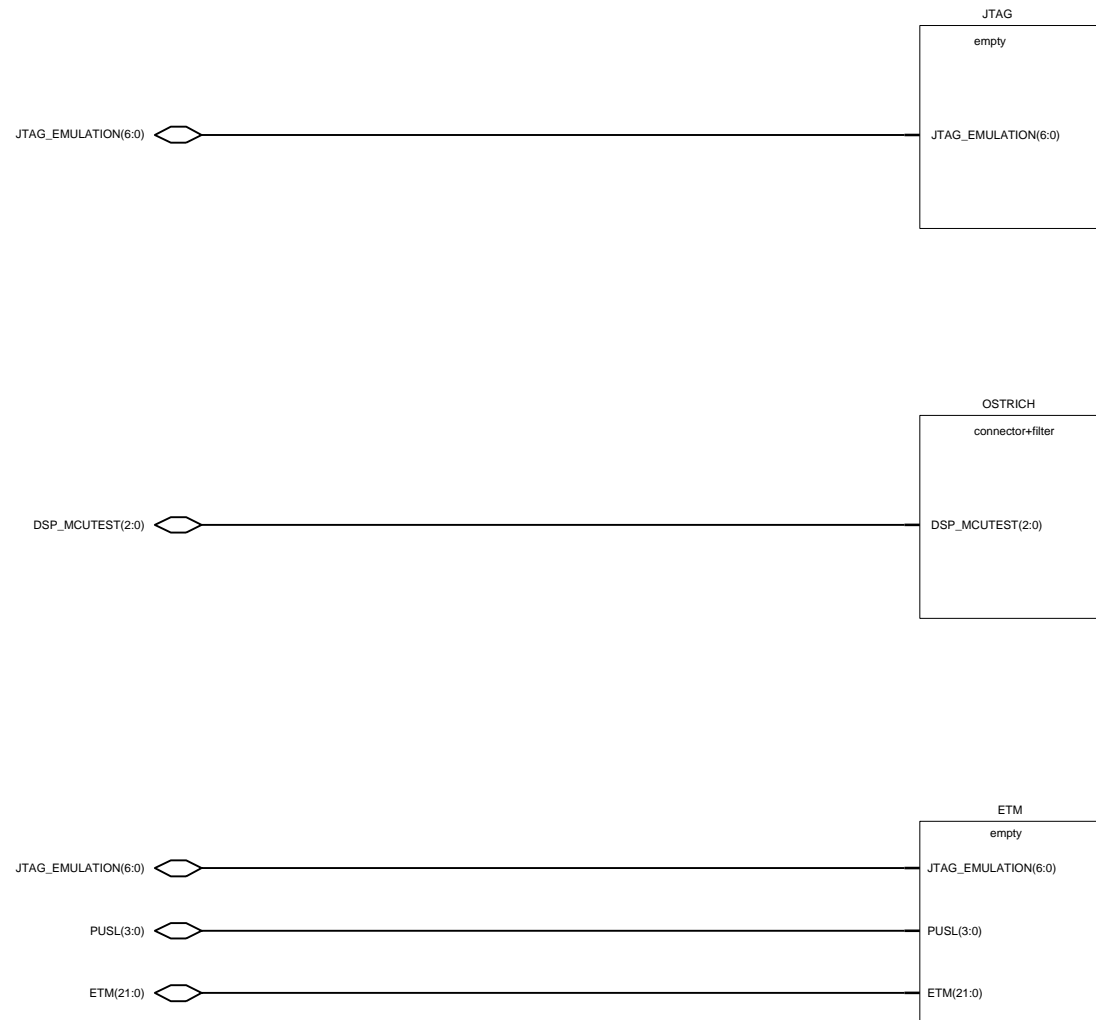
2.8V Regulator for camera, compass, FM-radio



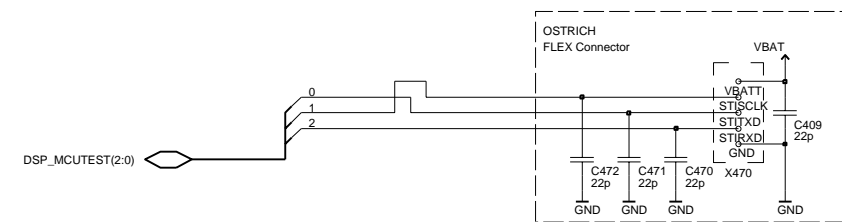
System connector



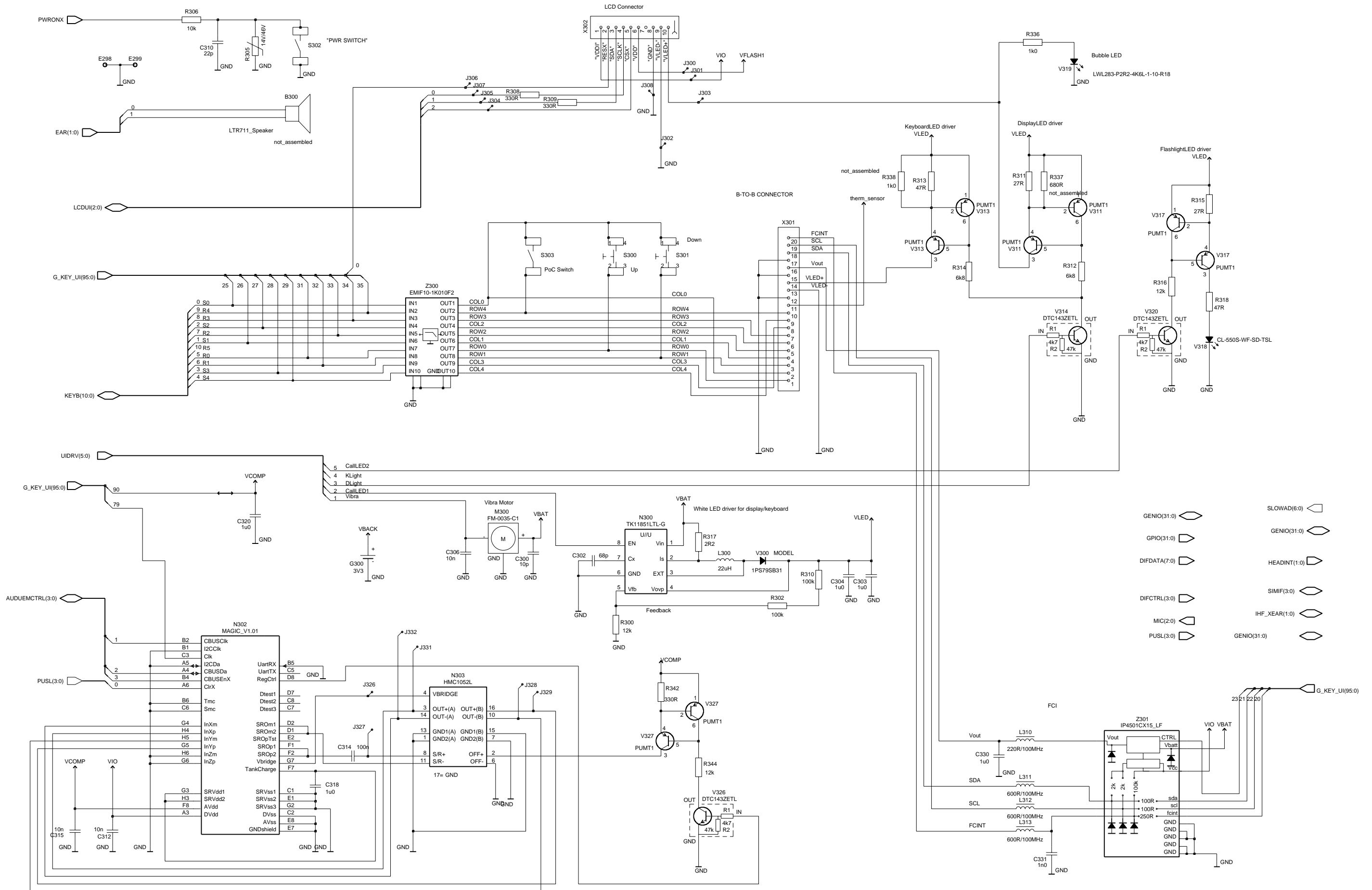
Test and emulator interface



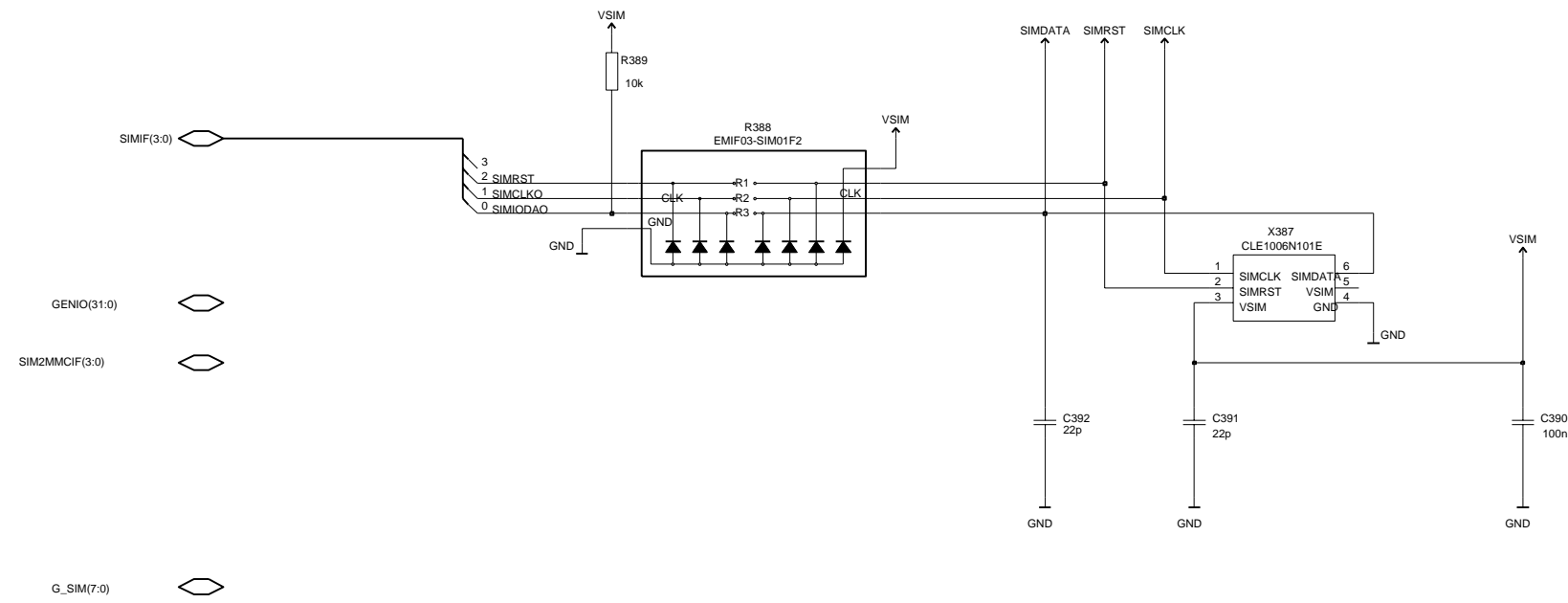
Connector based Ostrich test interface



Key UI

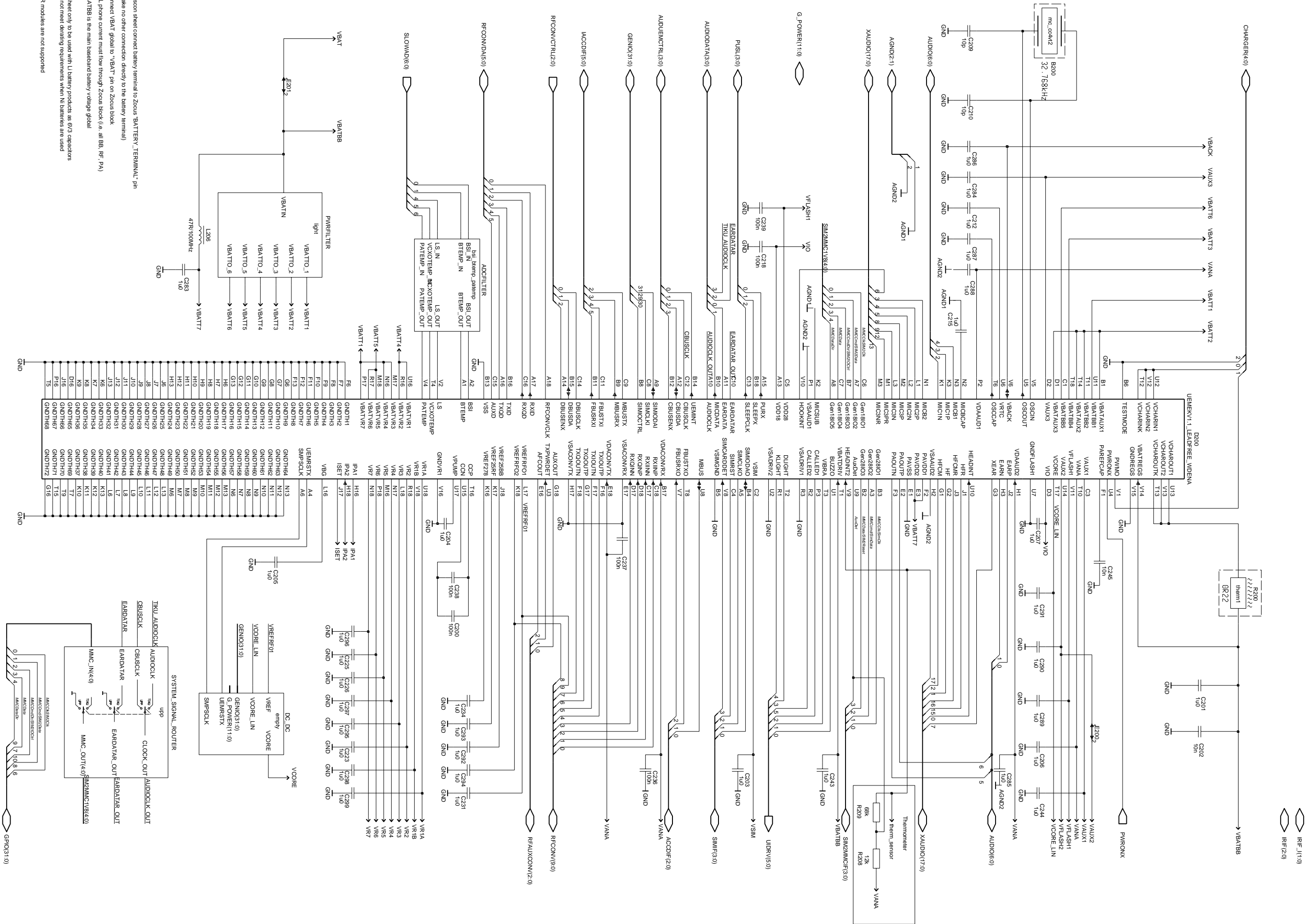


SIM reader

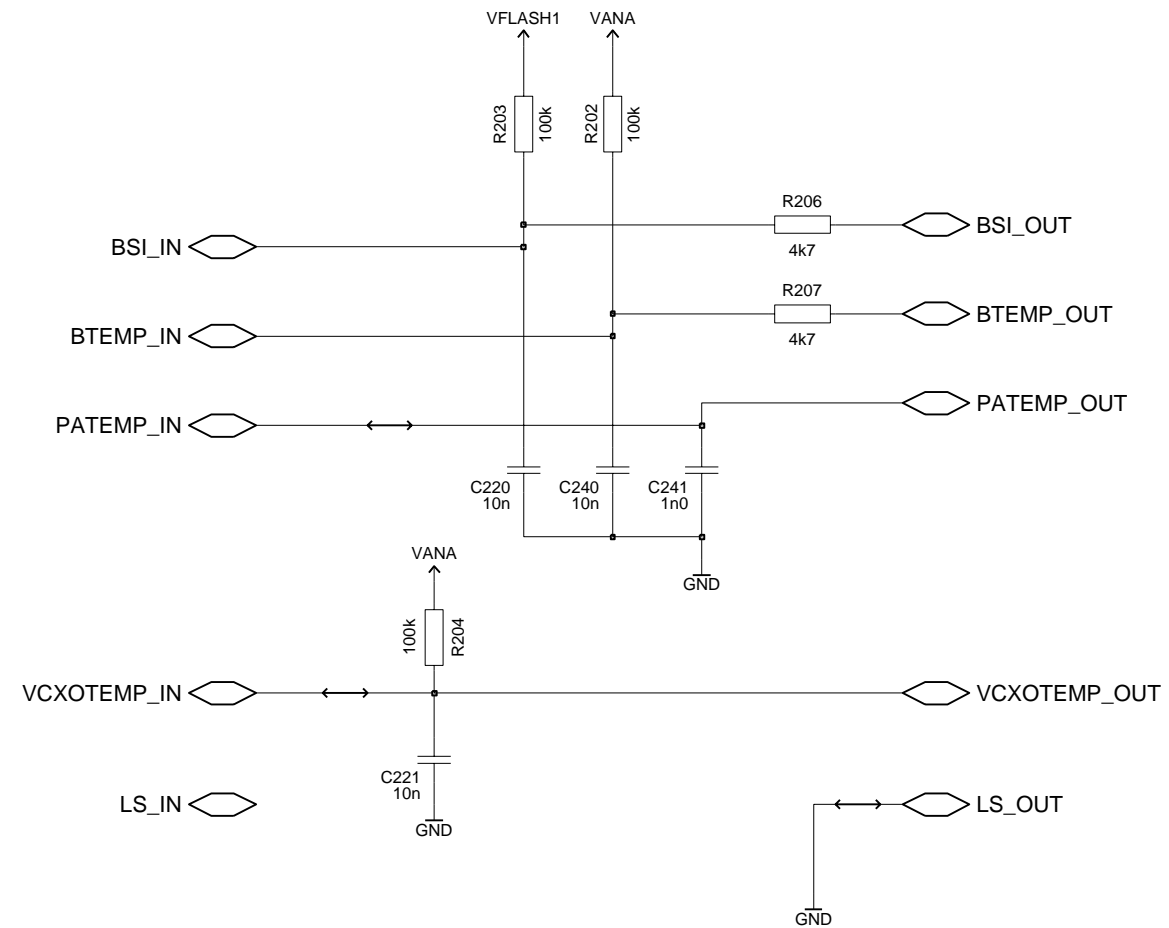


UEME power management

system sheet connect battery terminal to Zocus BATTERY_TERMINAL pin
 make no other connection directly to the battery terminal
 Connect VBAT global to VBAT pin on Zocus block
 All phone current must flow through Zocus block (i.e. all BB, RF, PA)
 VBATBB is the main baseband battery voltage global
 3 sheet only to be used with Li battery products as 6V3 capacitors
 do not meet derating requirements when Ni batteries are used
 1 RF modules are not supported

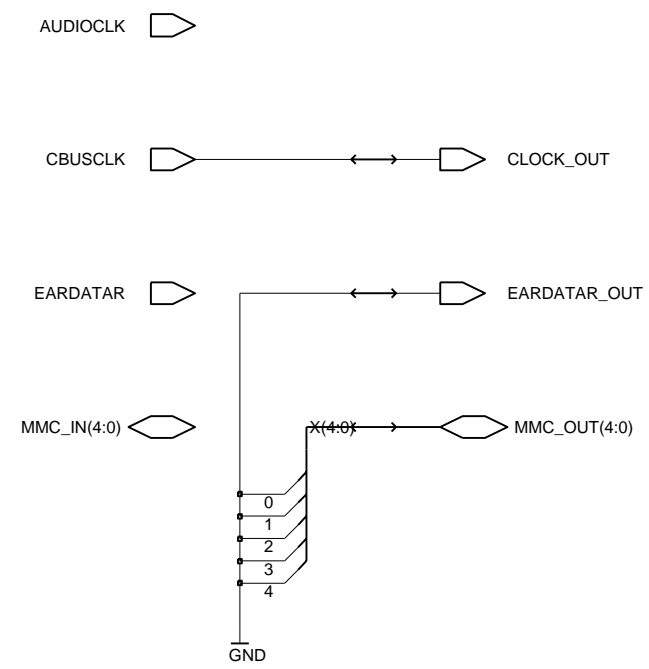


UEME ADC filter block

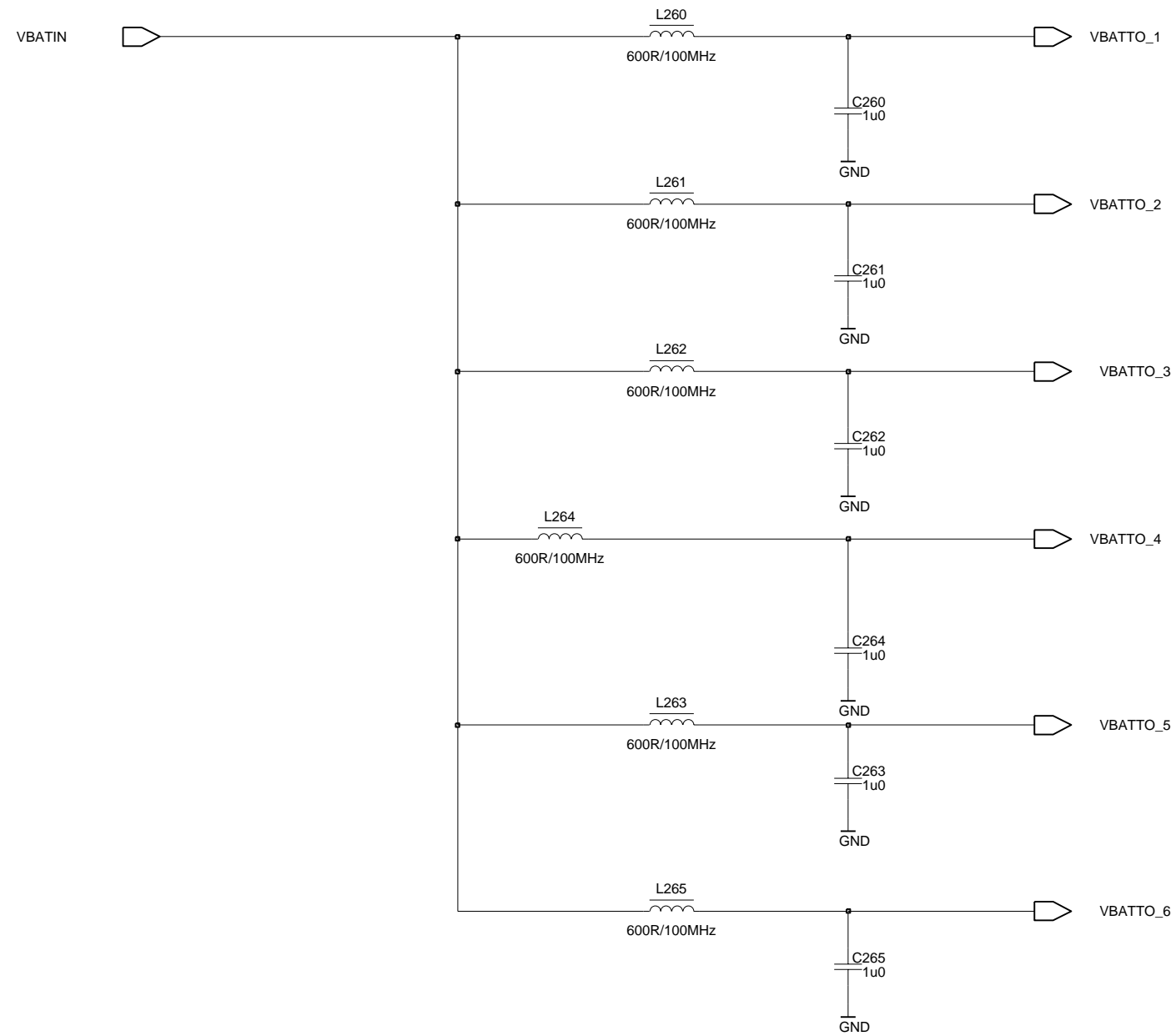


NOTE: Helga RF drives PATEMP directly
so PATEMP does not need a pullup

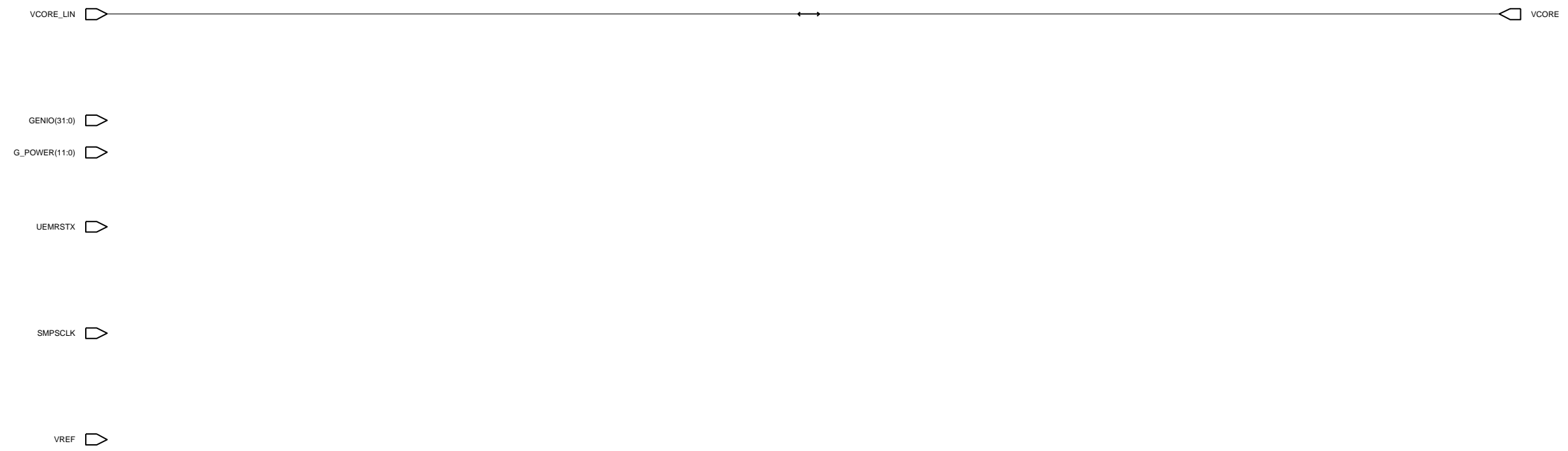
Digital ASIC-dependant Signal routing UPP systems



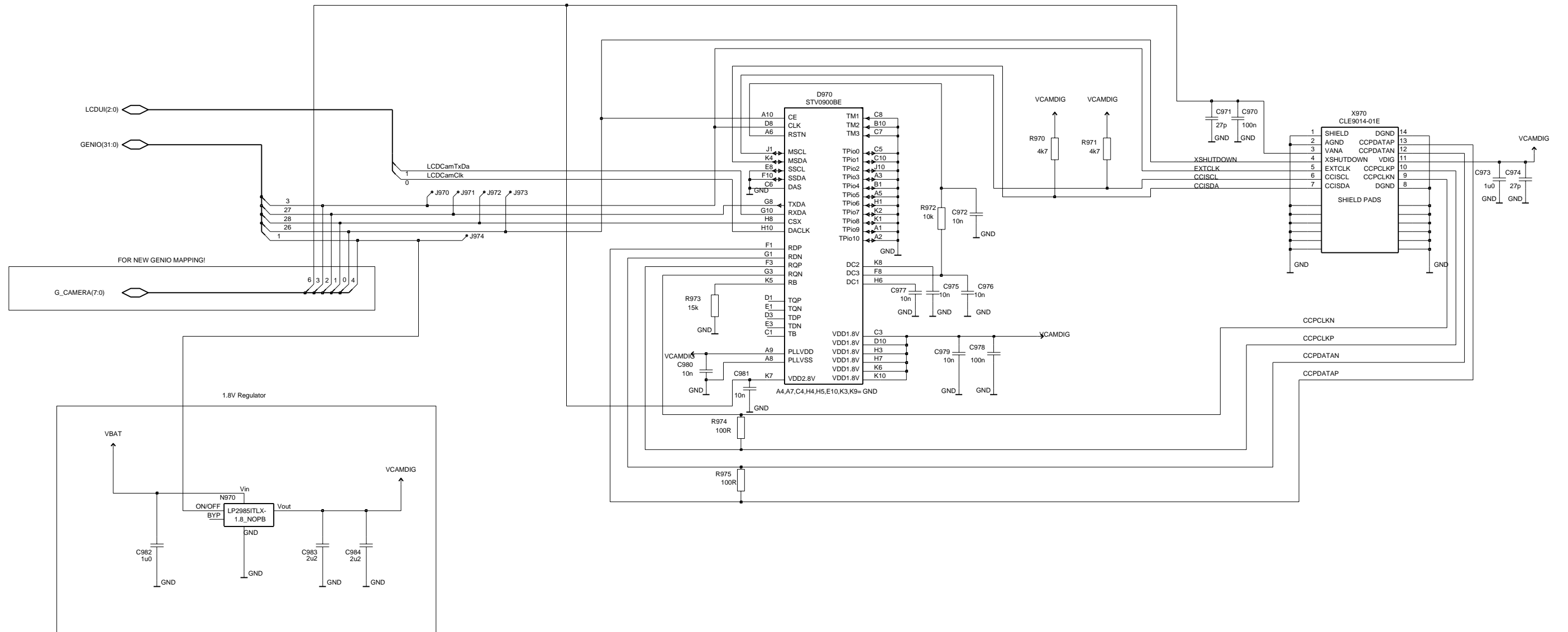
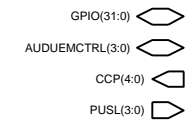
Light filtering



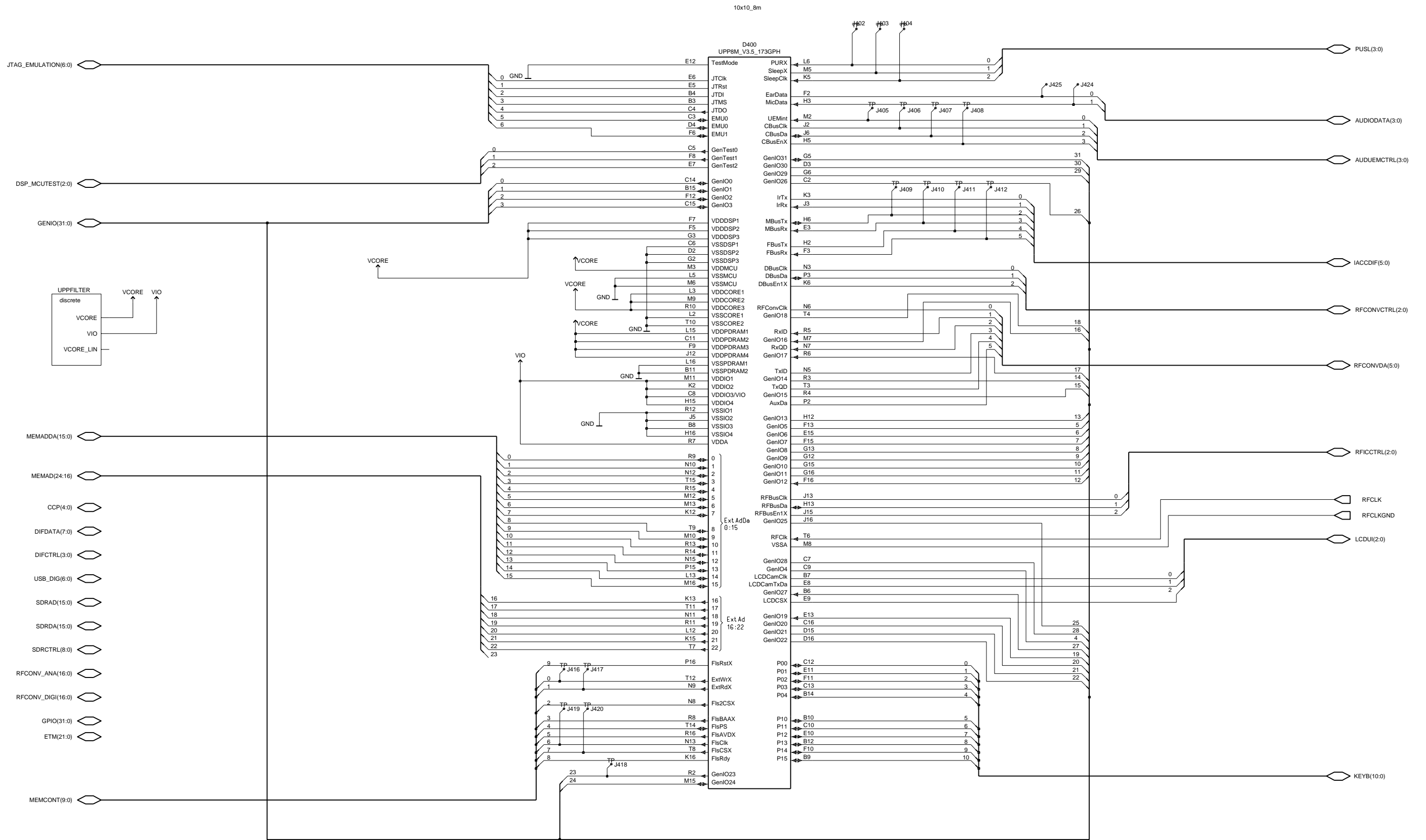
DC/DC converter



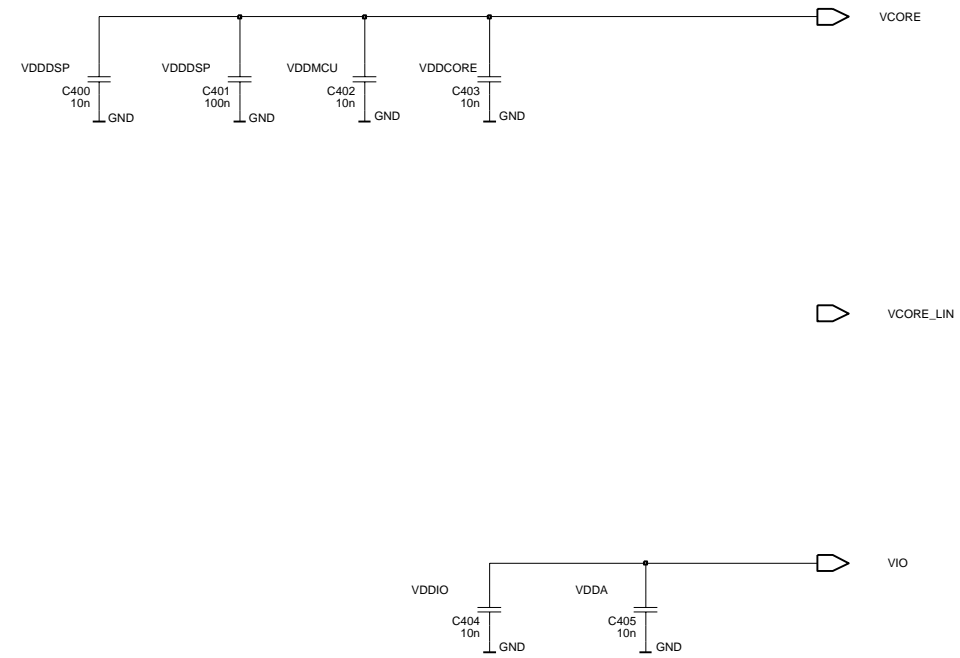
Camera



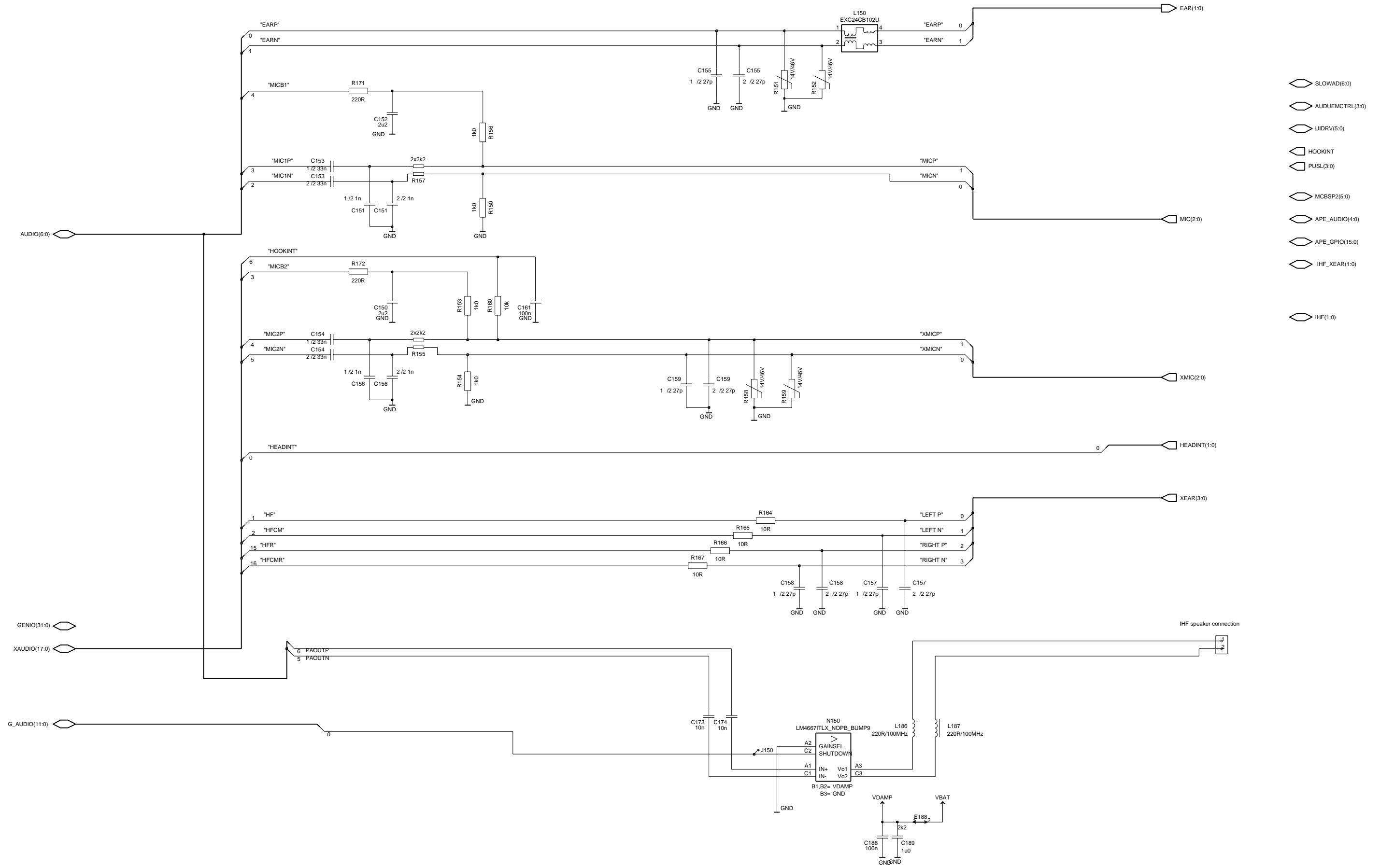
UPP 8M implementation



Discrete decoupling capacitors for UPP

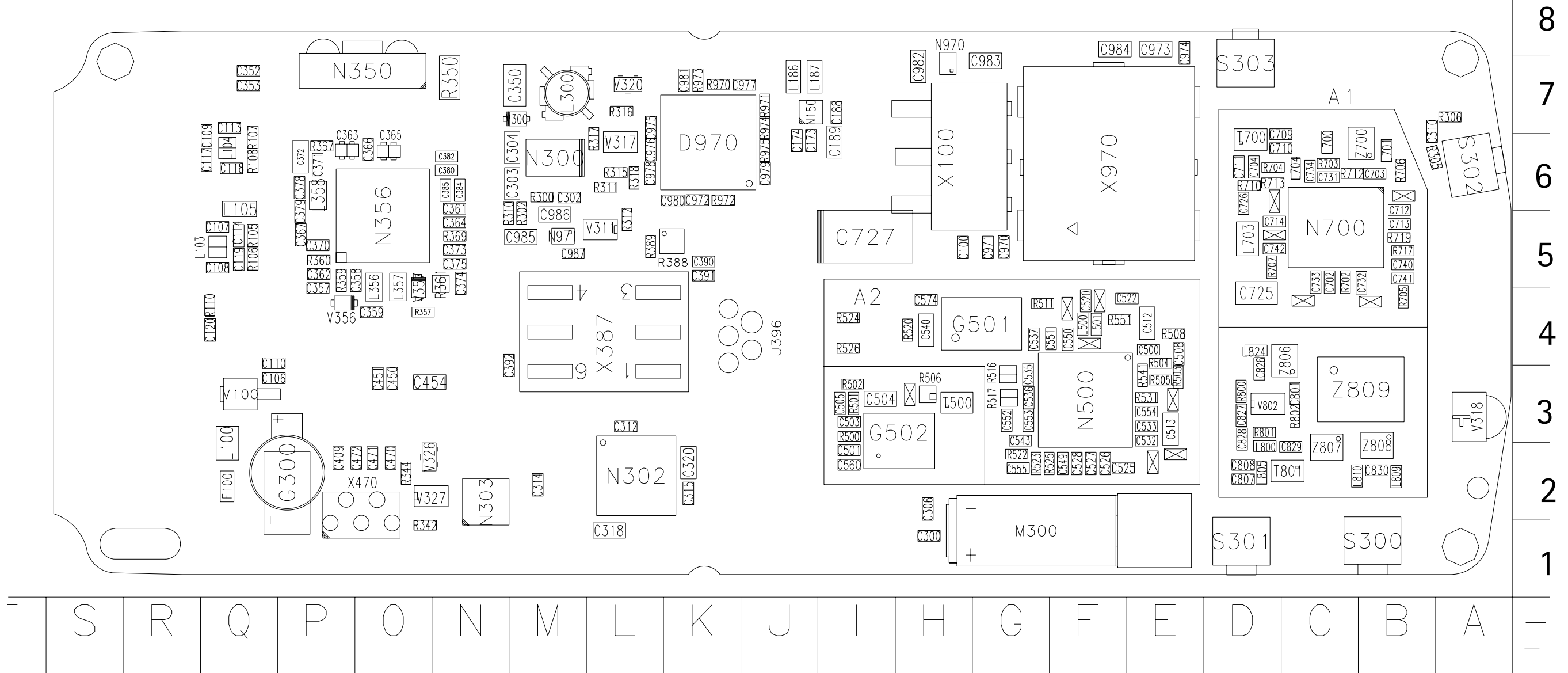


Audio



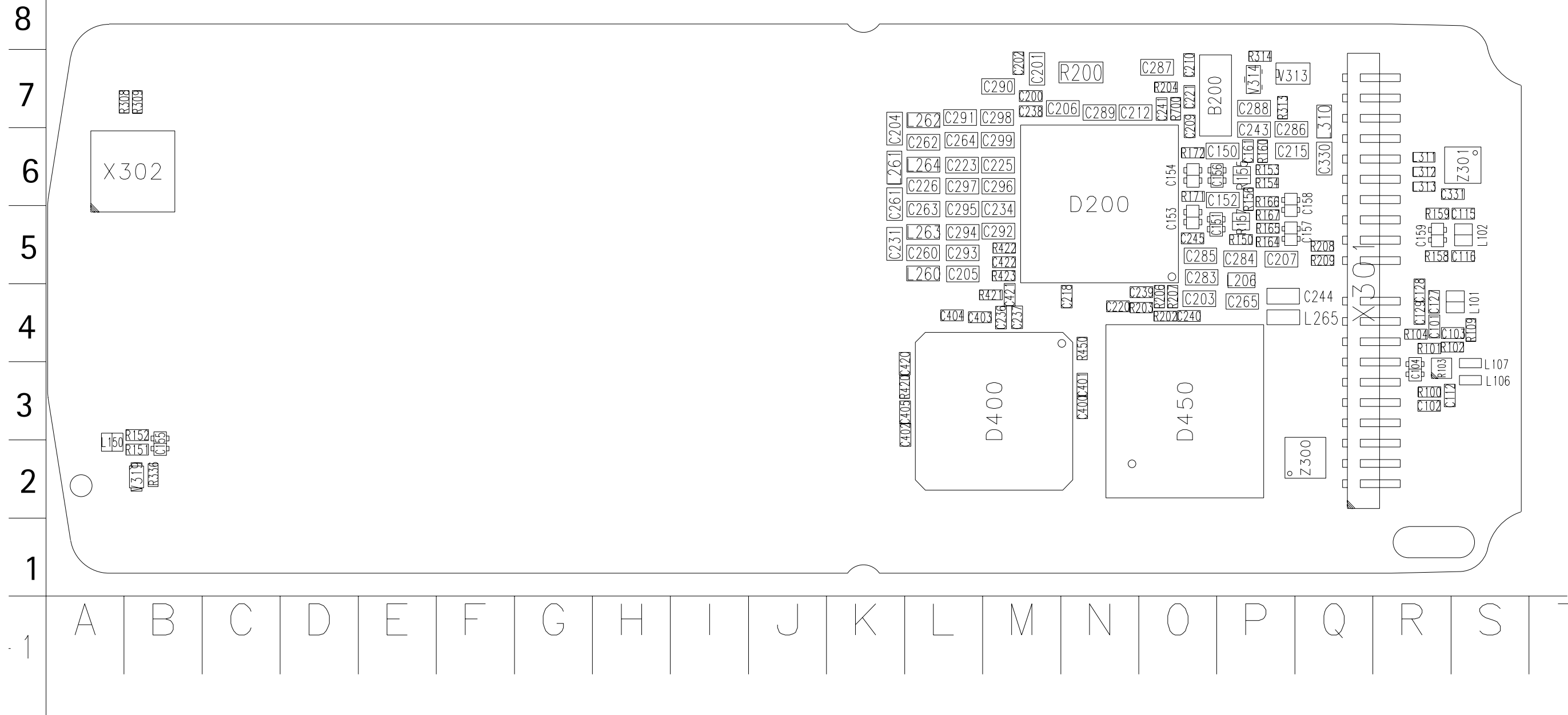
NPL-4, component layout, bottom

wv1_16u_asmdrw_b.pdf, AUTOSCATF



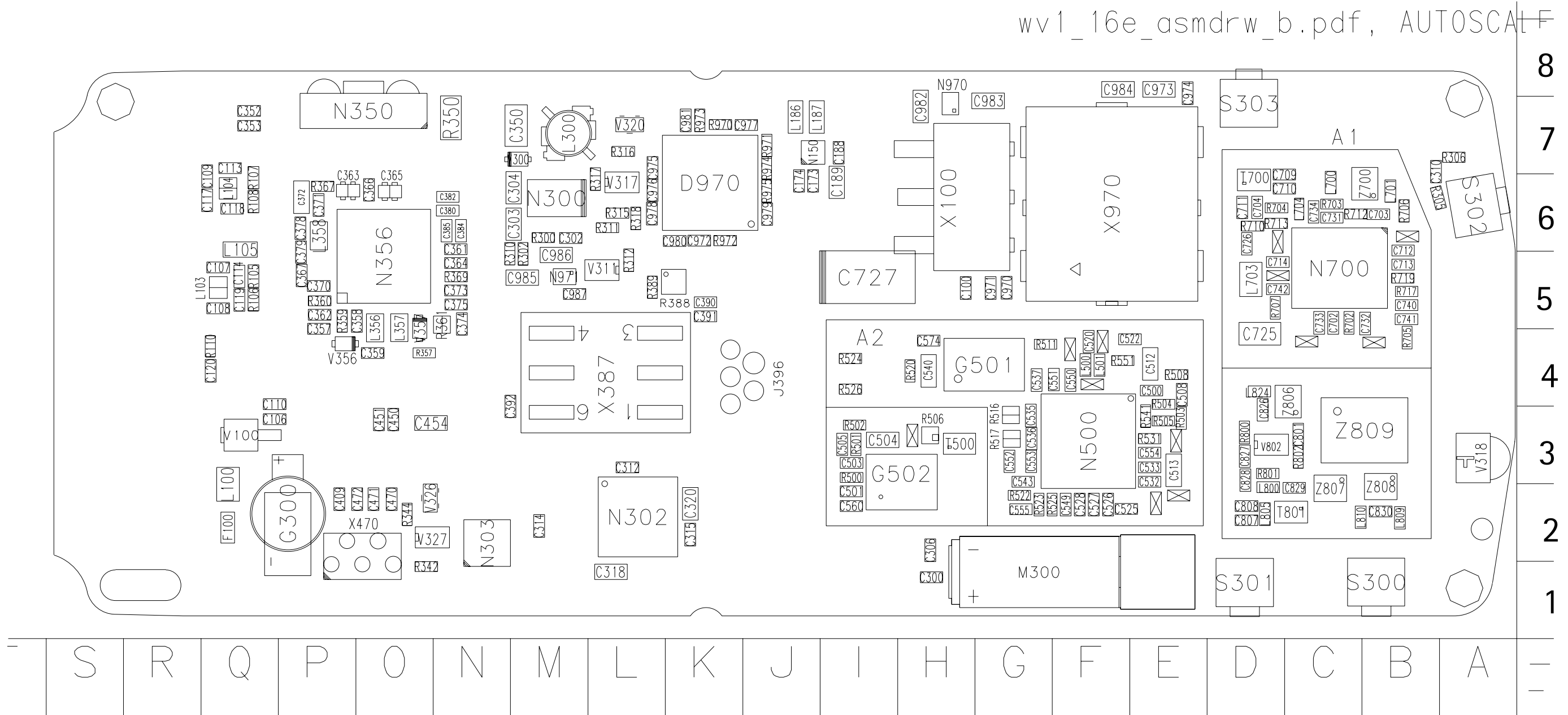
NPL-4, component layout, top

wv1_16u_asmdrw_t.pdf, AUTOSCALE



NPL-5, component layout, bottom

wv1_16e_asmdrw_b.pdf, AUTOSCAT



NPL-5, component layout, top

wv1_16e_asmdrw_t.pdf, AUTOSCALE

