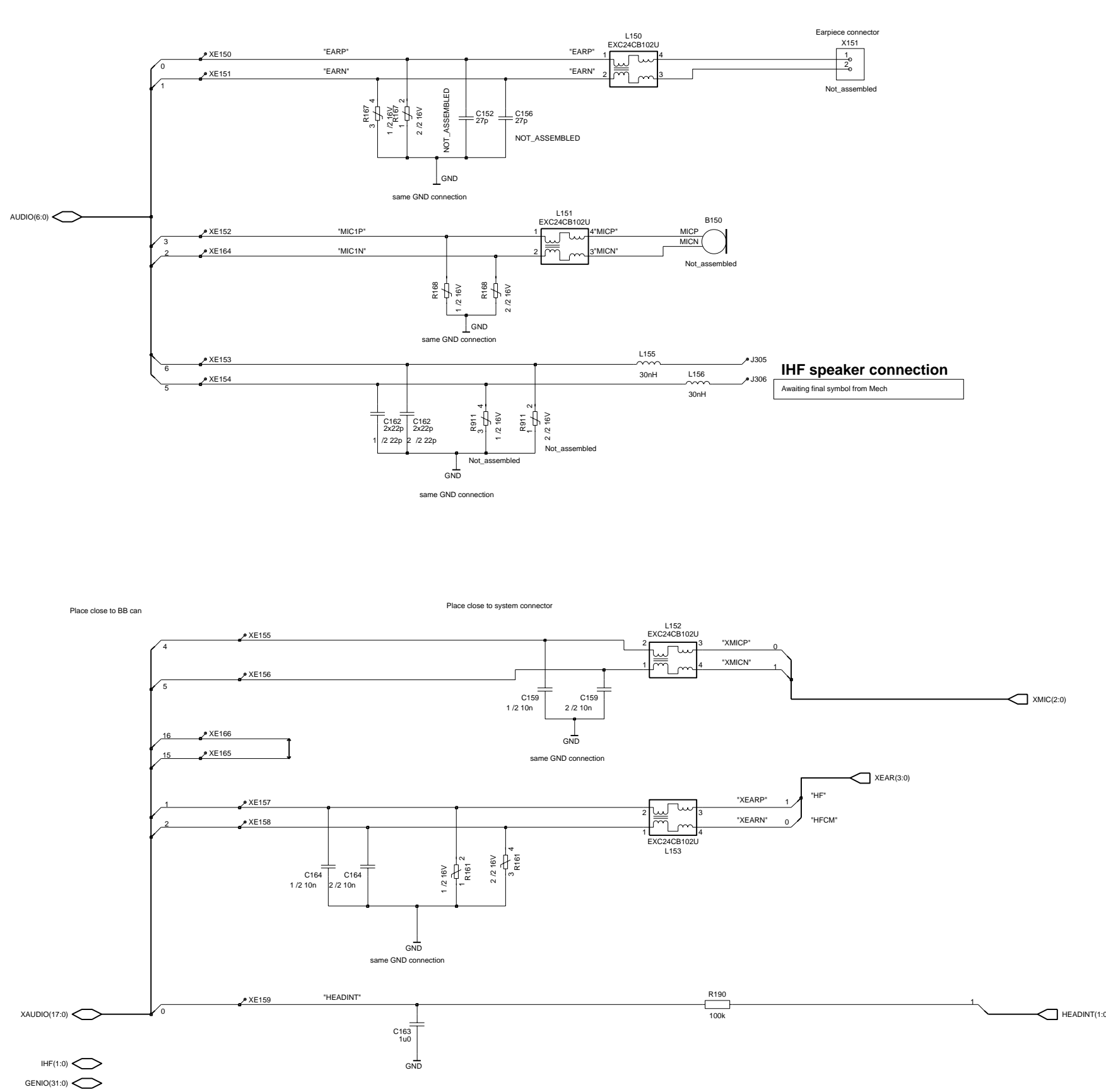
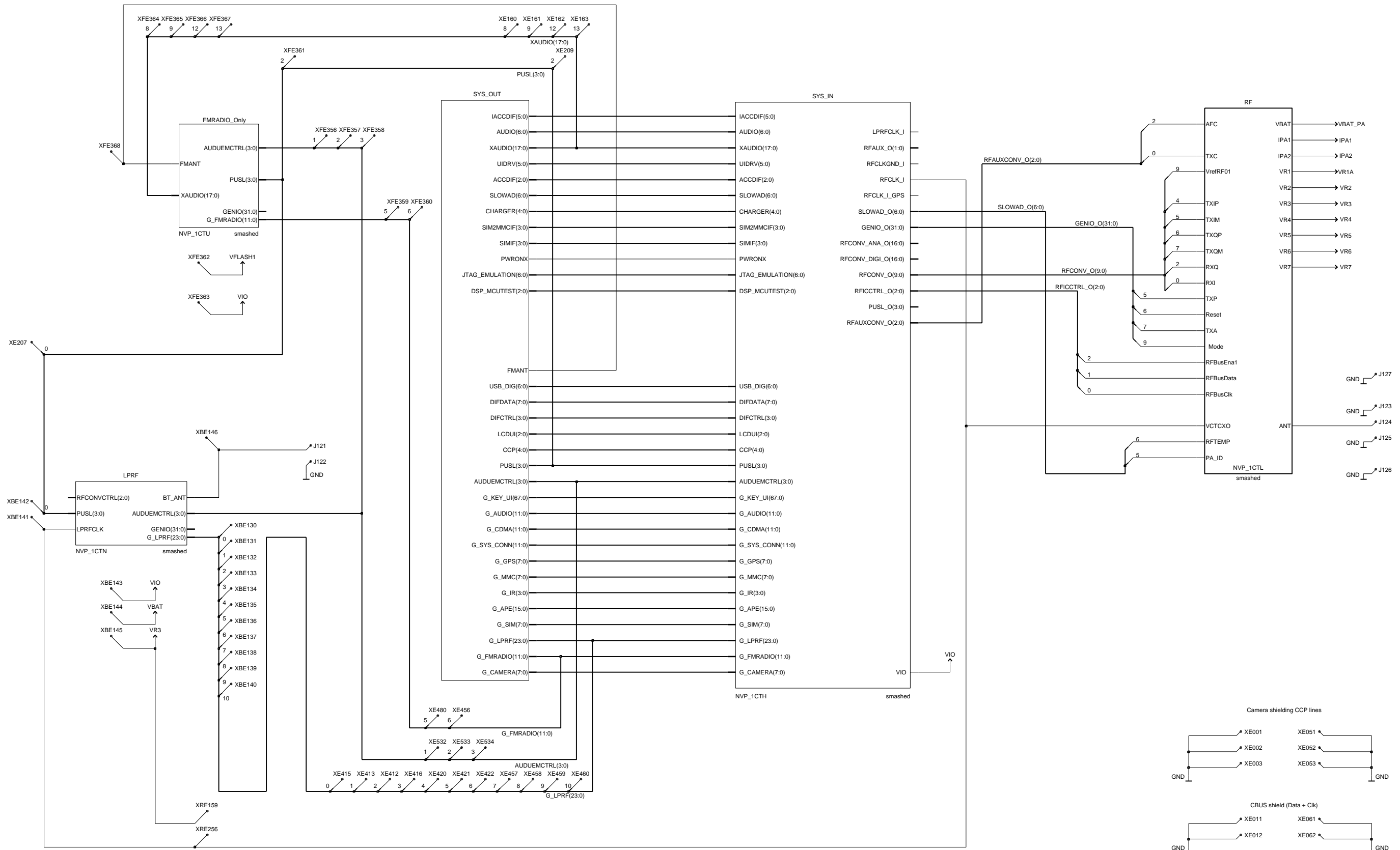


Audio

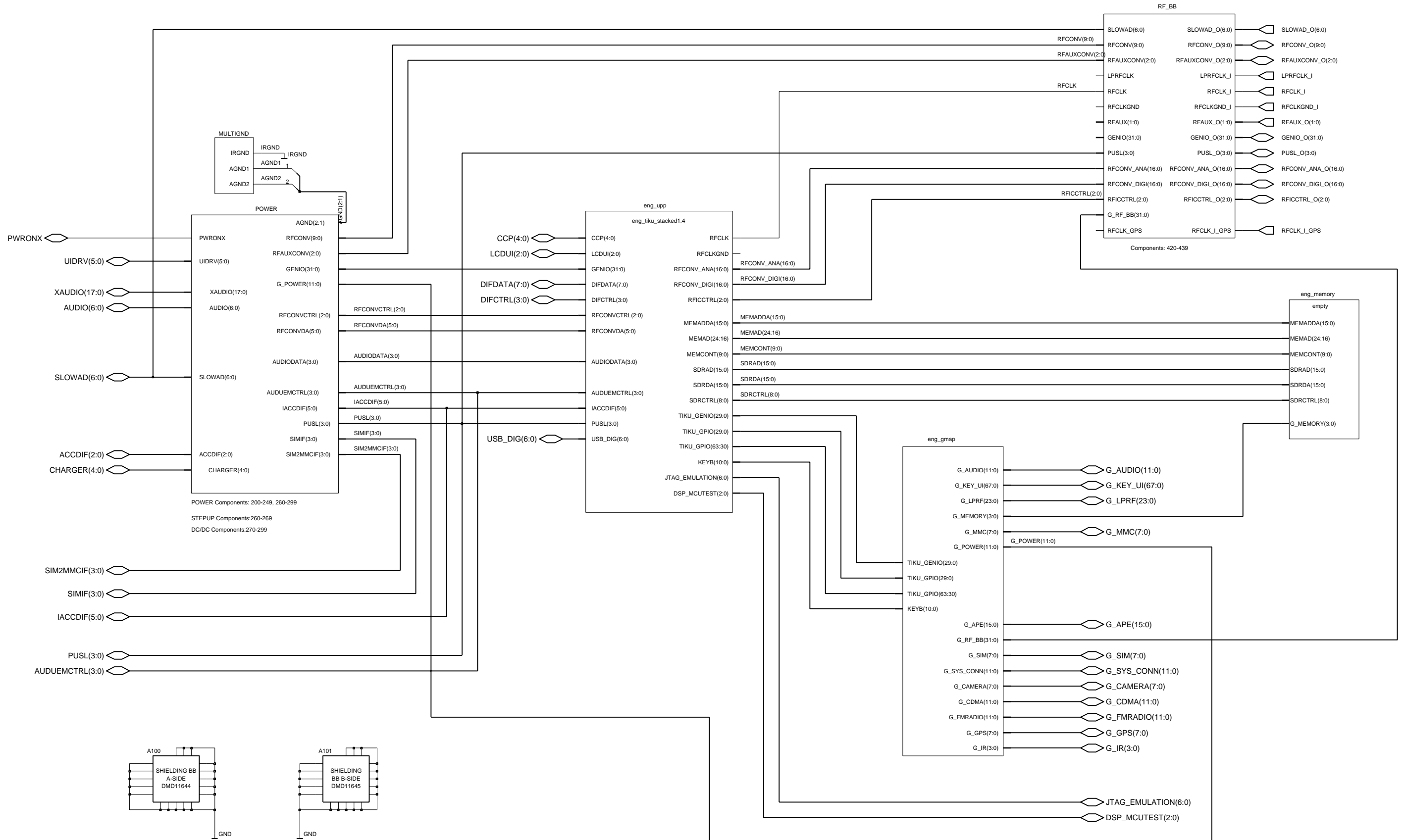


- G_AUDIO(11:0)
- EAR(1:0)
- SLOWAD(6:0)
- AUDUEMCTRL(3:0)
- UIDRV(5:0)
- MIC(2:0)
- MCBSPP2(5:0)
- APE_AUDIO(4:0)
- APE_GPIO(15:0)
- IHF_XEAR(1:0)
- HOOKINT
- PUSL(3:0)

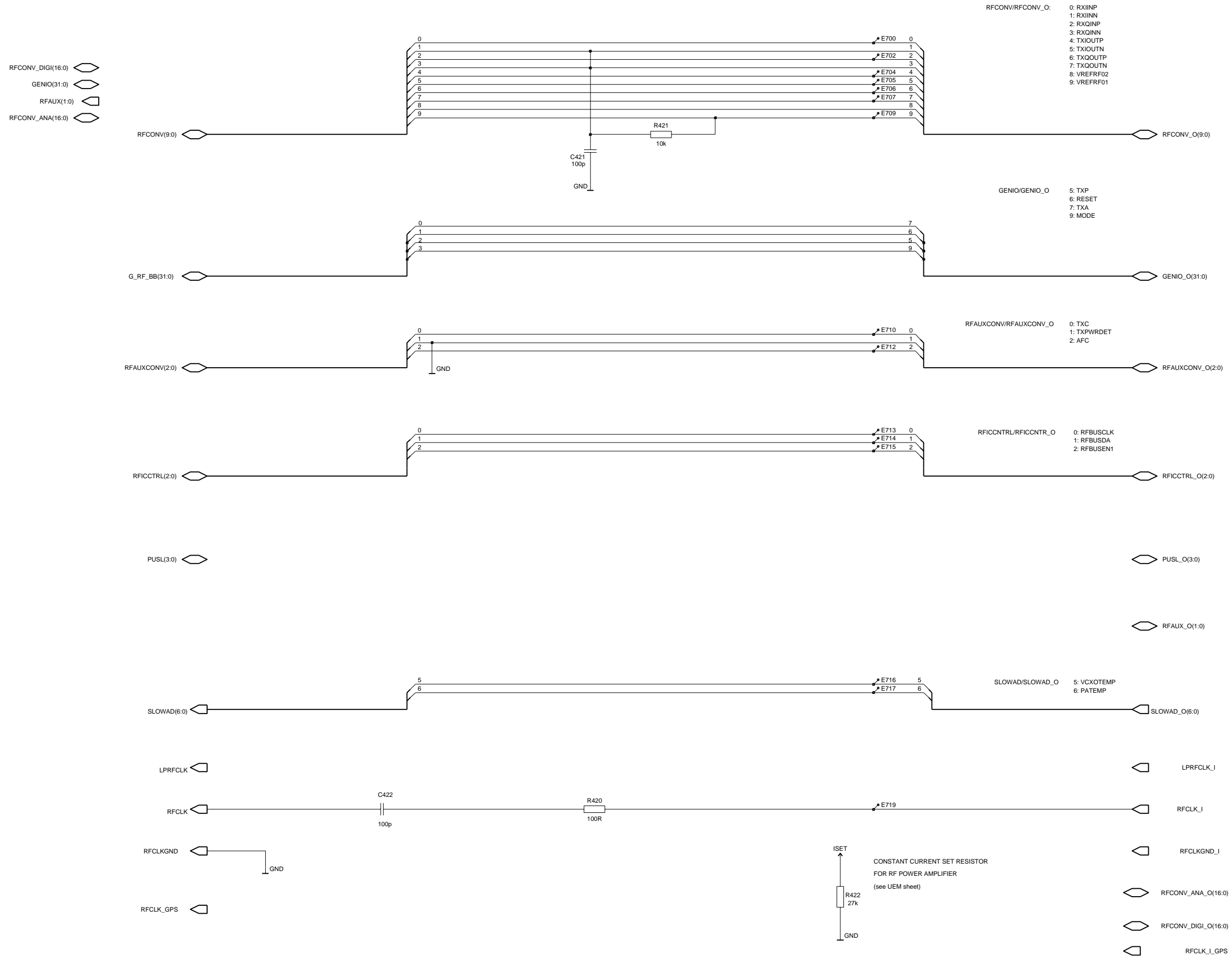
Top level



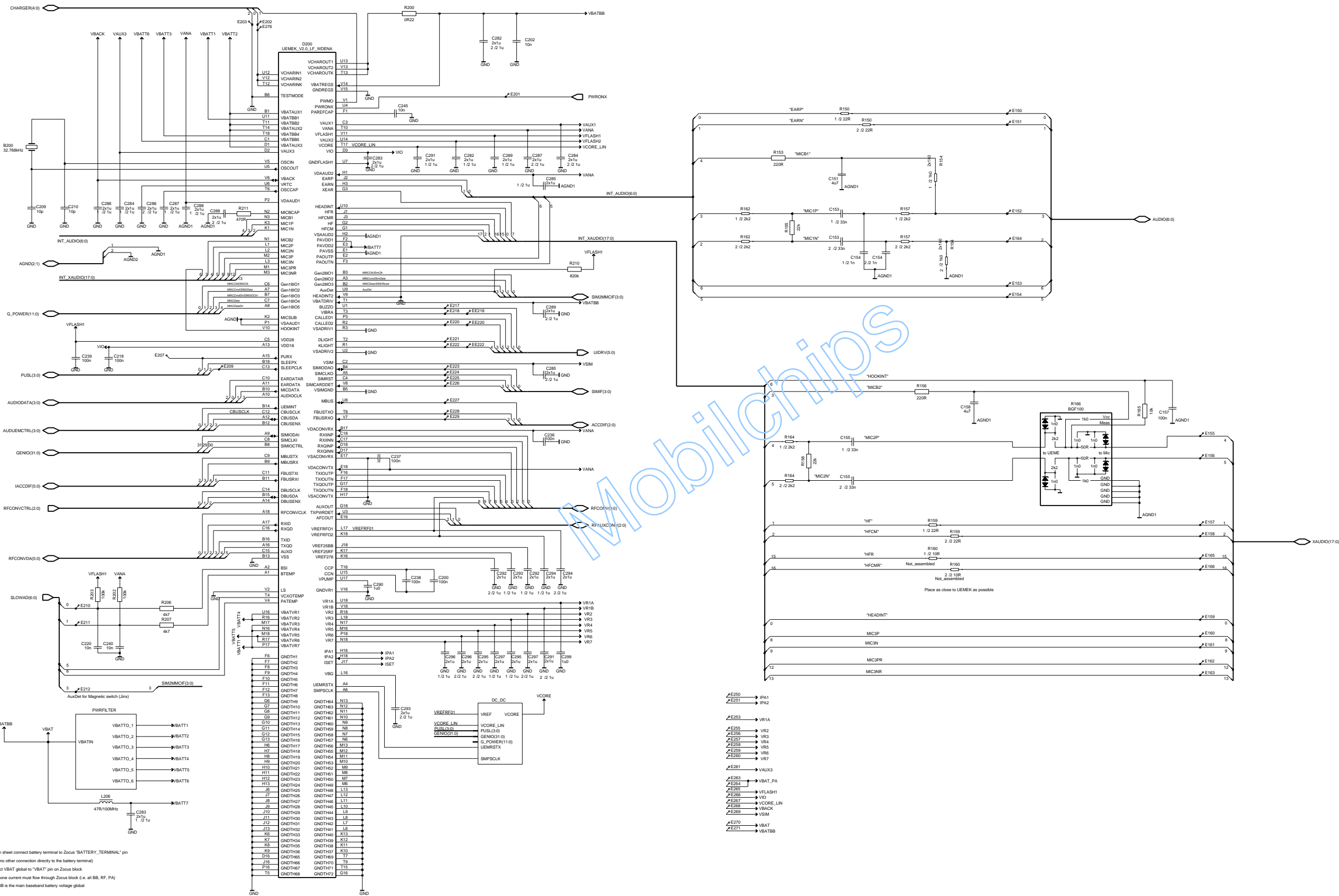
Micro BB engine



RF-BB interface



UEMEK

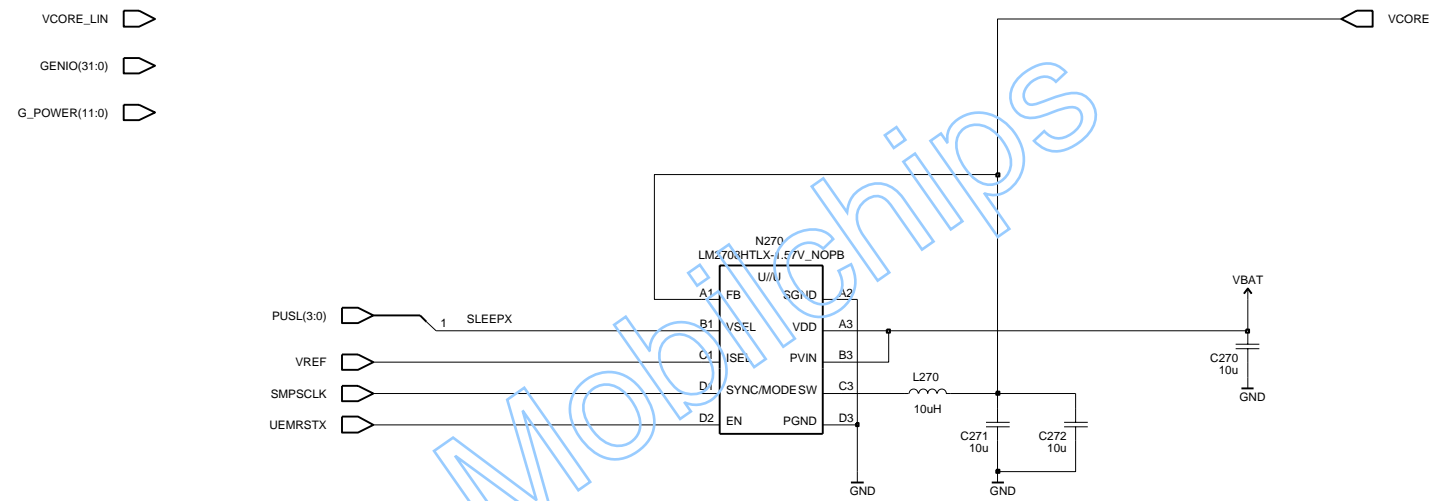


!TE: On system sheet connect battery terminal to Zocus 'BATTERY_TERMINAL' pin
 (make no other connection directly to the battery terminal)
 Connect VBAT global to 'VBAT' pin on Zocus block
 ALL phone current must flow through Zocus block (i.e. all BB, RF, PA)
 VBATB is the main baseband battery voltage global

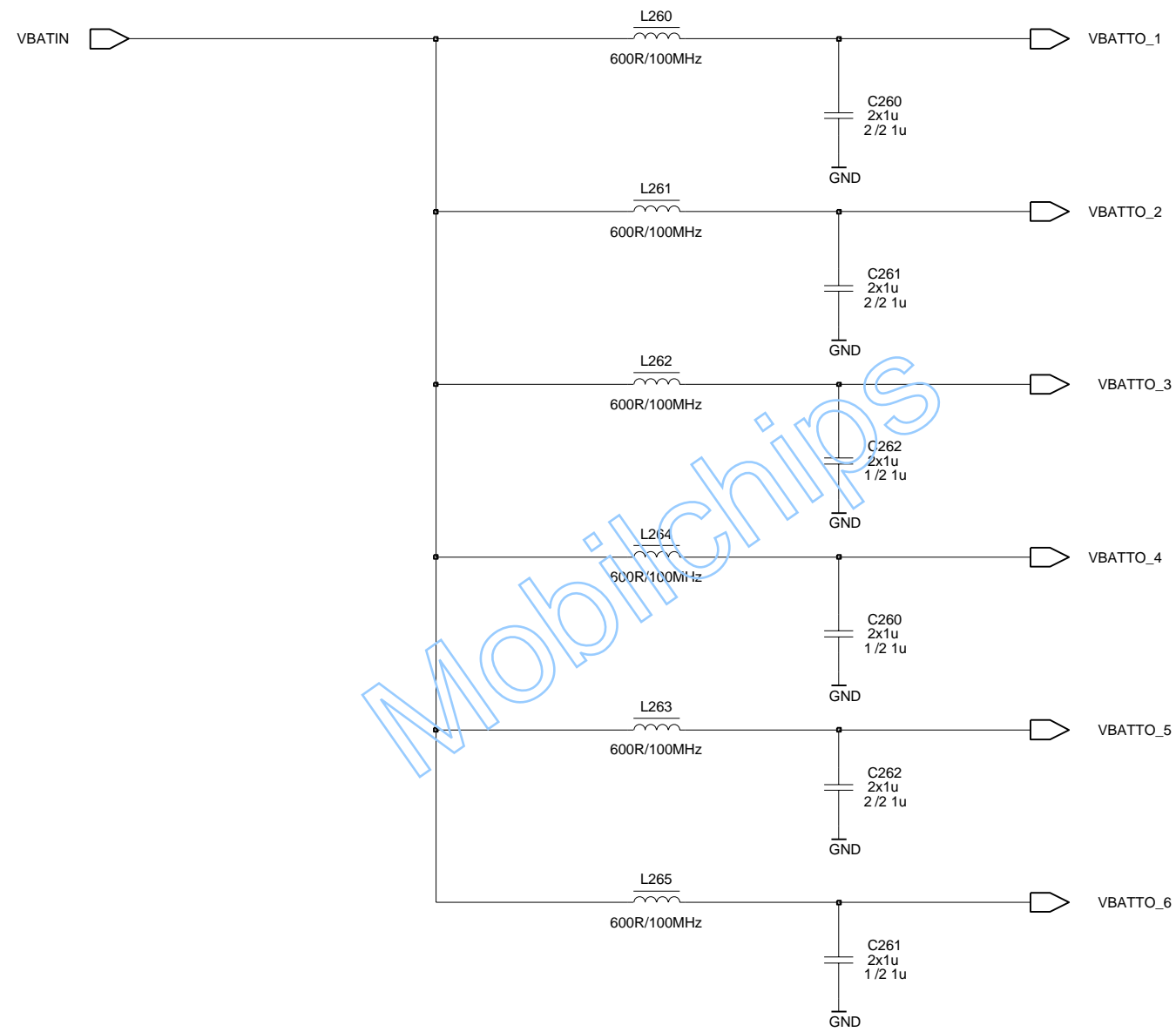
!TE: This sheet only to be used with Li battery products as E13 capacitors
 do not meet derating requirements when Ni batteries are used

!TE: 2V8 IR modules are not supported

DC-DC for Tiku

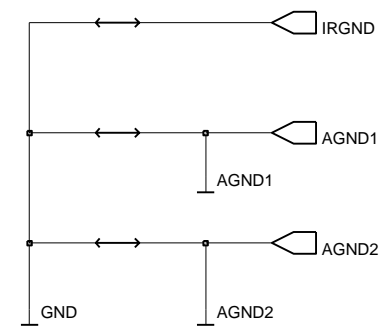


Light filtering



NOTE: This sheet uses dual 1uF capacitors. Check that full approval has been granted for these parts before use, or use this sheet at risk

MultiGND



Mobilchips

Flash memory

MEMAD(24:16)

G_MEMORY(3:0)

MEMCONT(9:0)

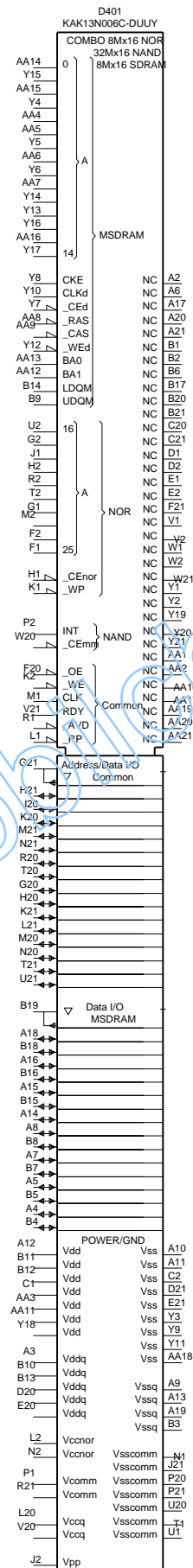
SDRAD(15:0)

SDRCTRL(8:0)

SDRDA(15:0)

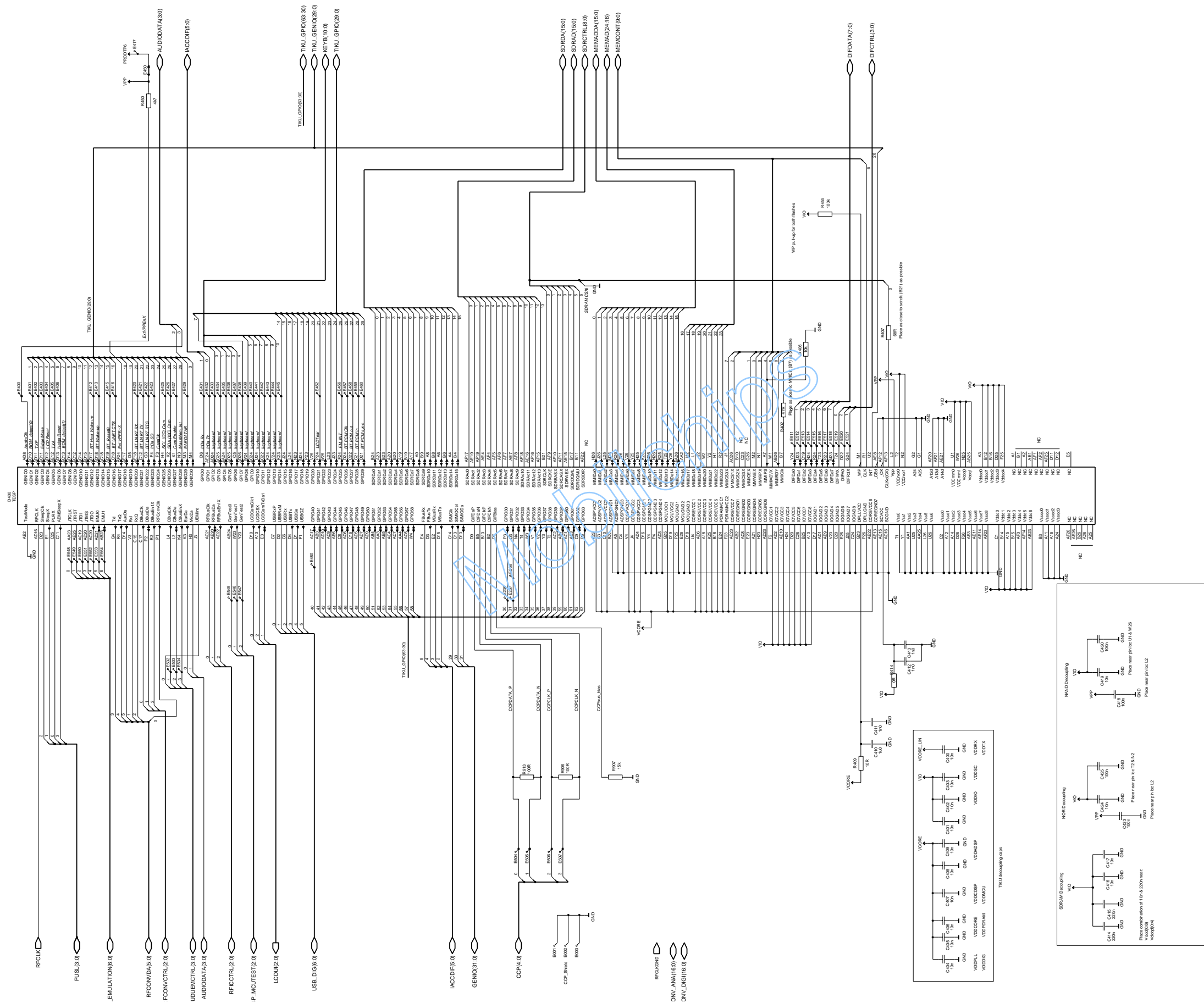
MEMAD(24:16)

MEMADDA(15:0)



MobileSnips

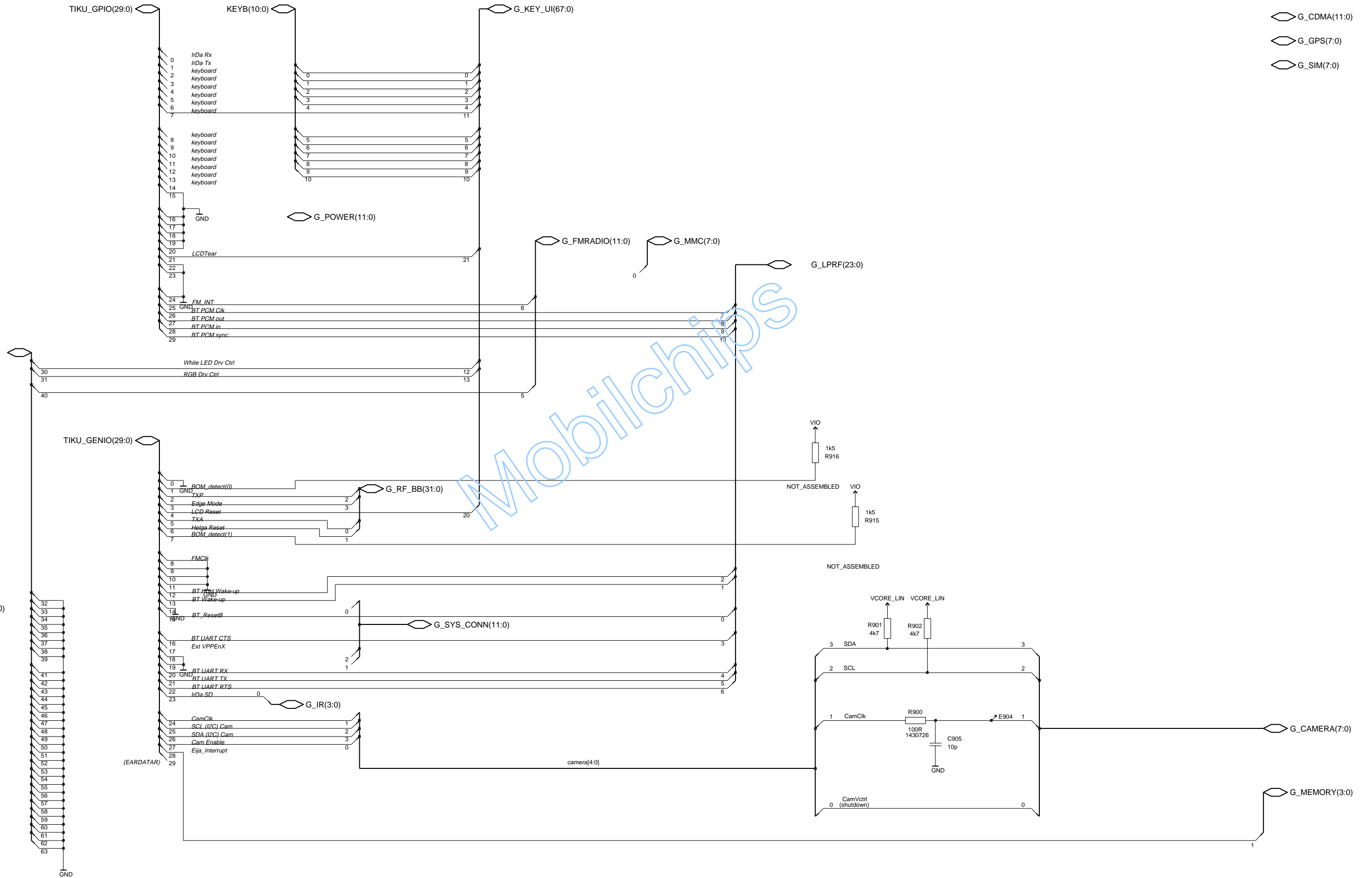
Tiku EDGE



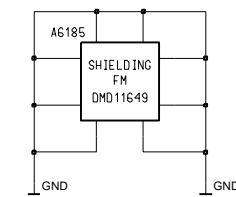
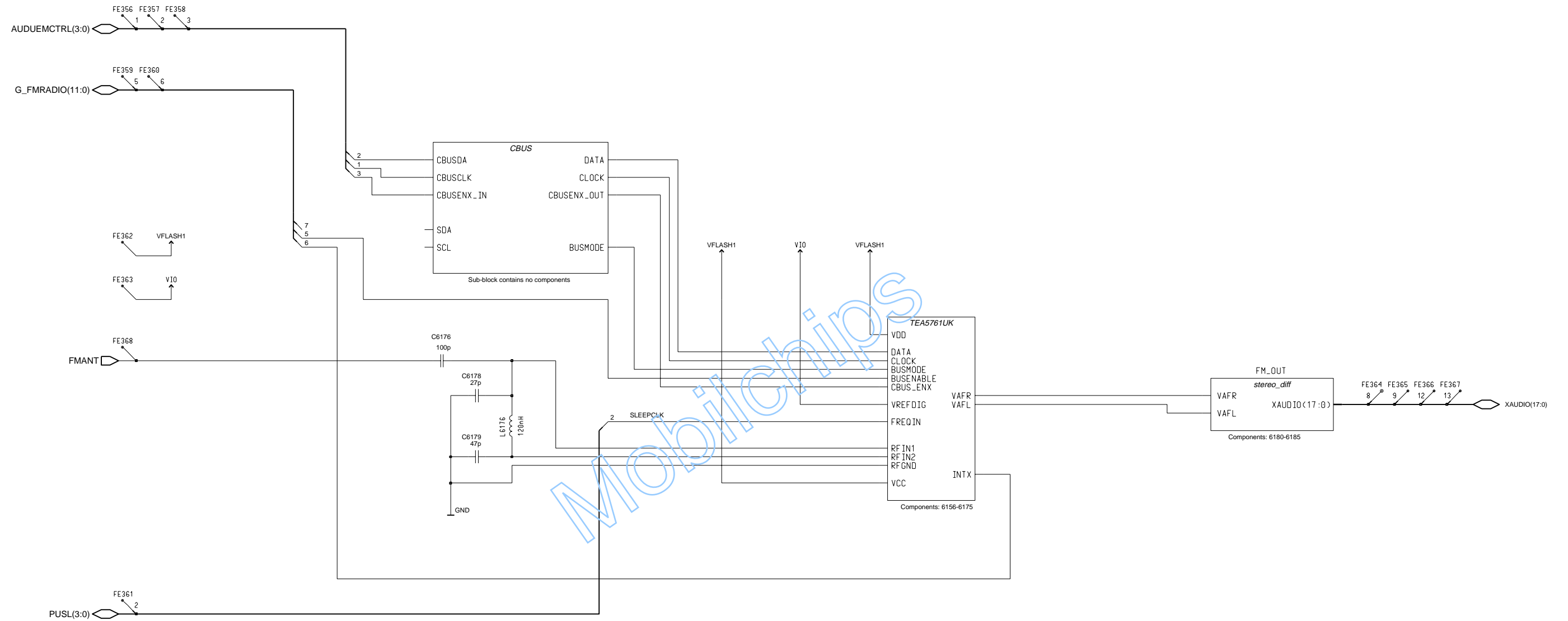
Tiku GPIO and GENIO

TIKU GPIO & GENIO BUSES

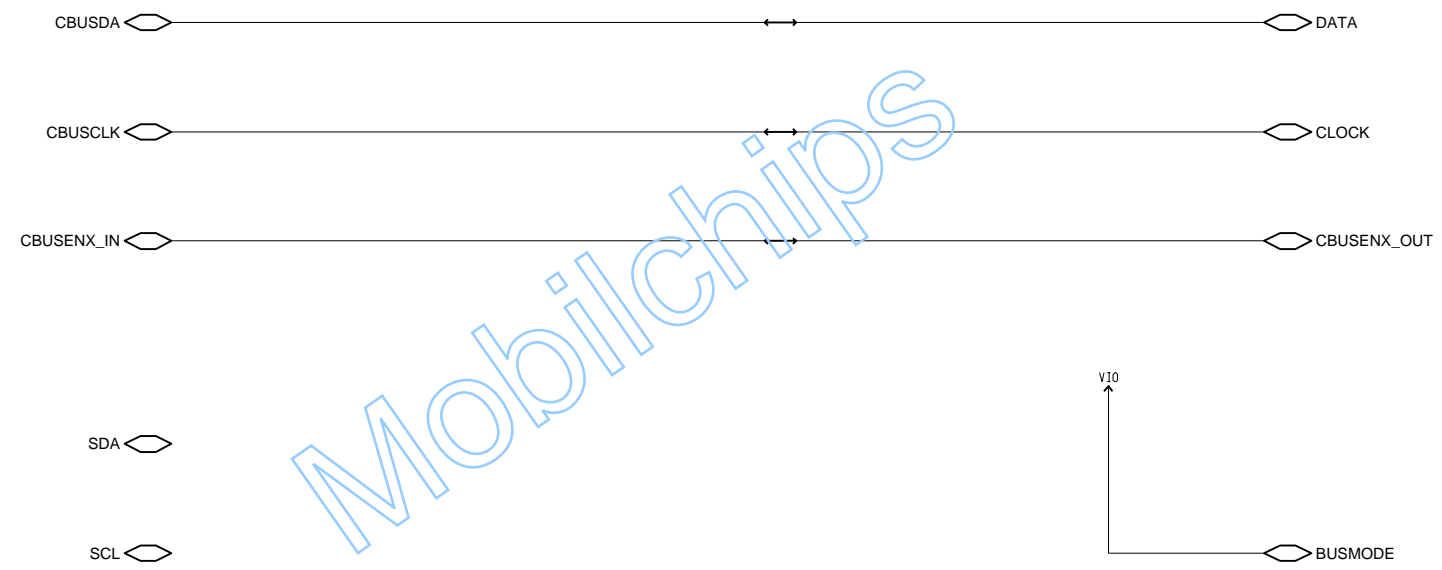
- ⬡ G_AUDIO(11:0)
- ⬡ G_APE(15:0)
- ⬡ G_CDMA(11:0)
- ⬡ G_GPS(7:0)
- ⬡ G_SIM(7:0)



FM radio

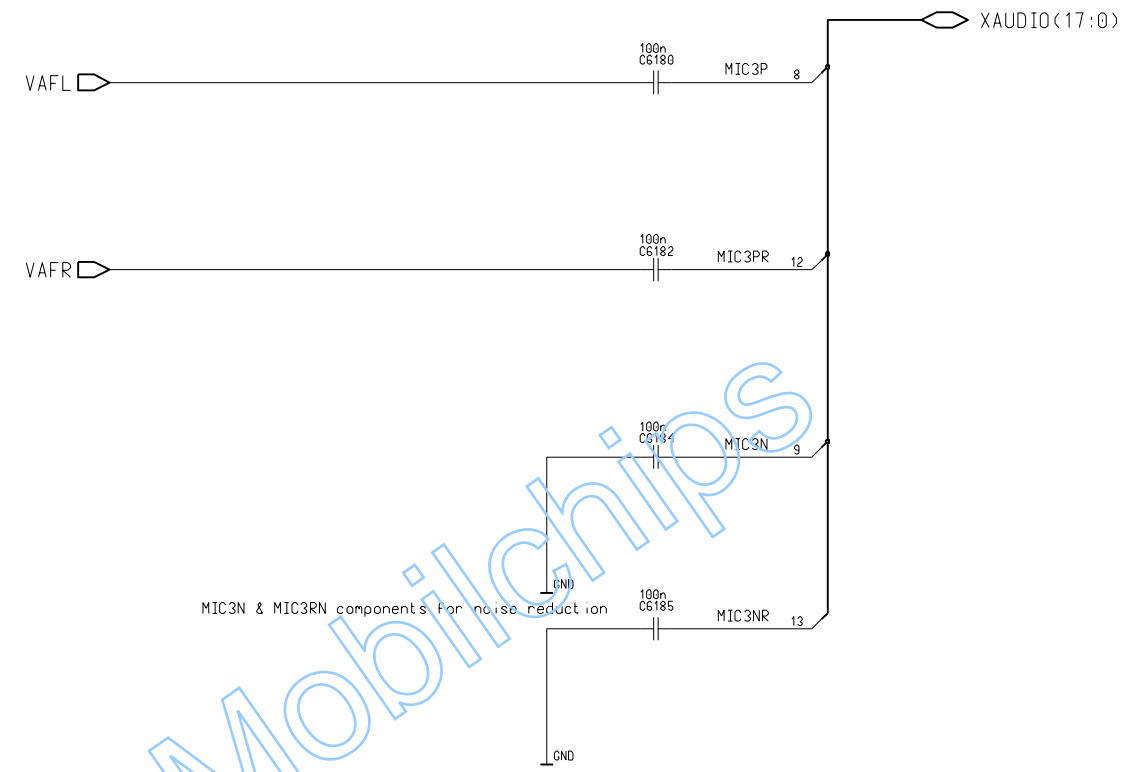


CBUS

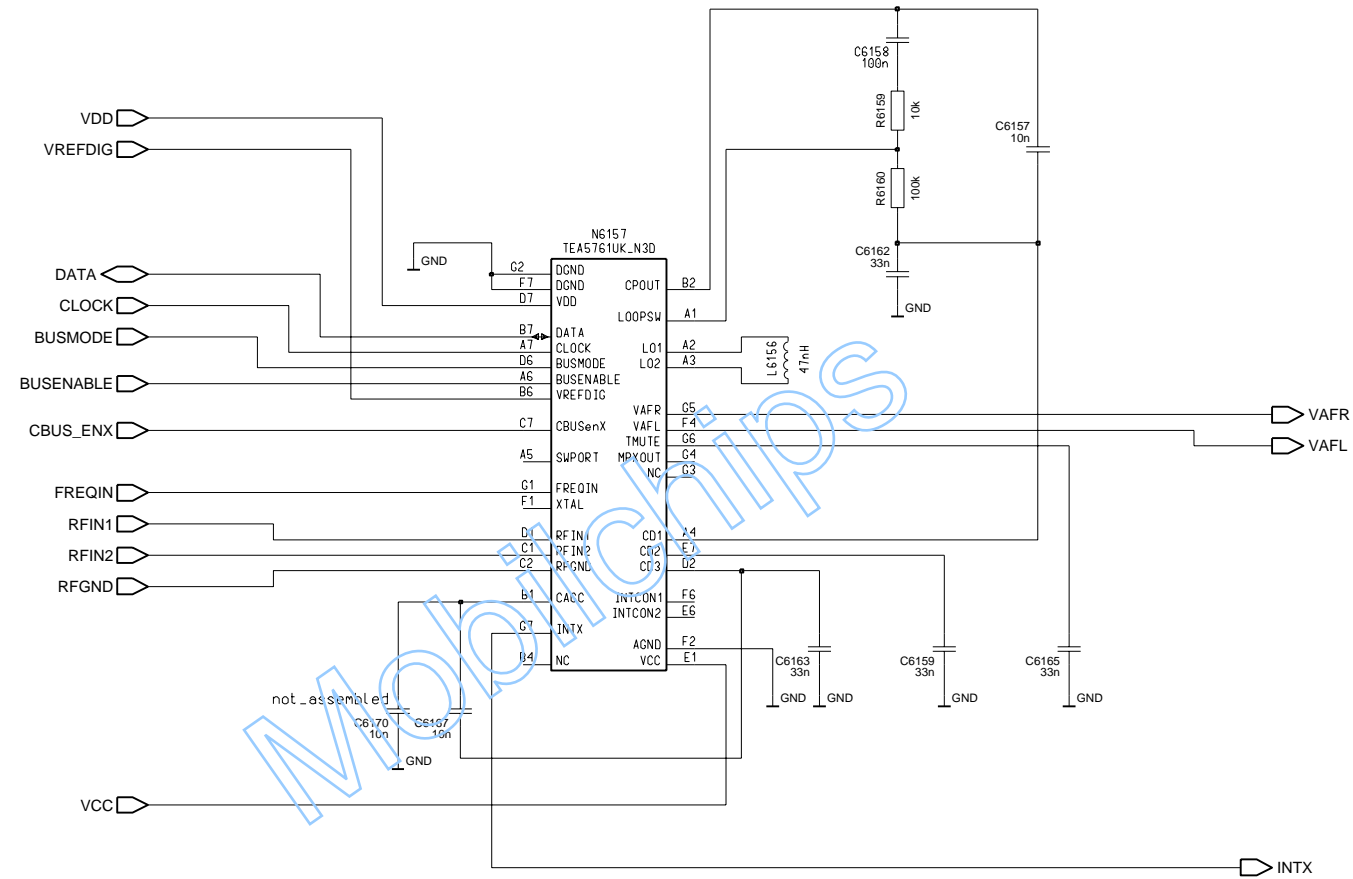


Mobilchips

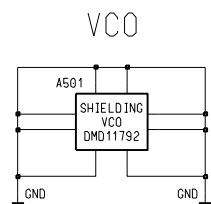
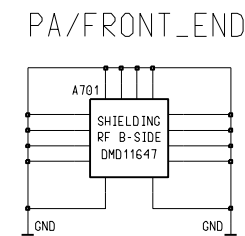
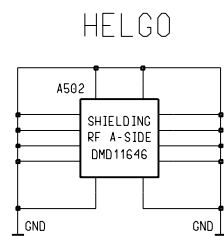
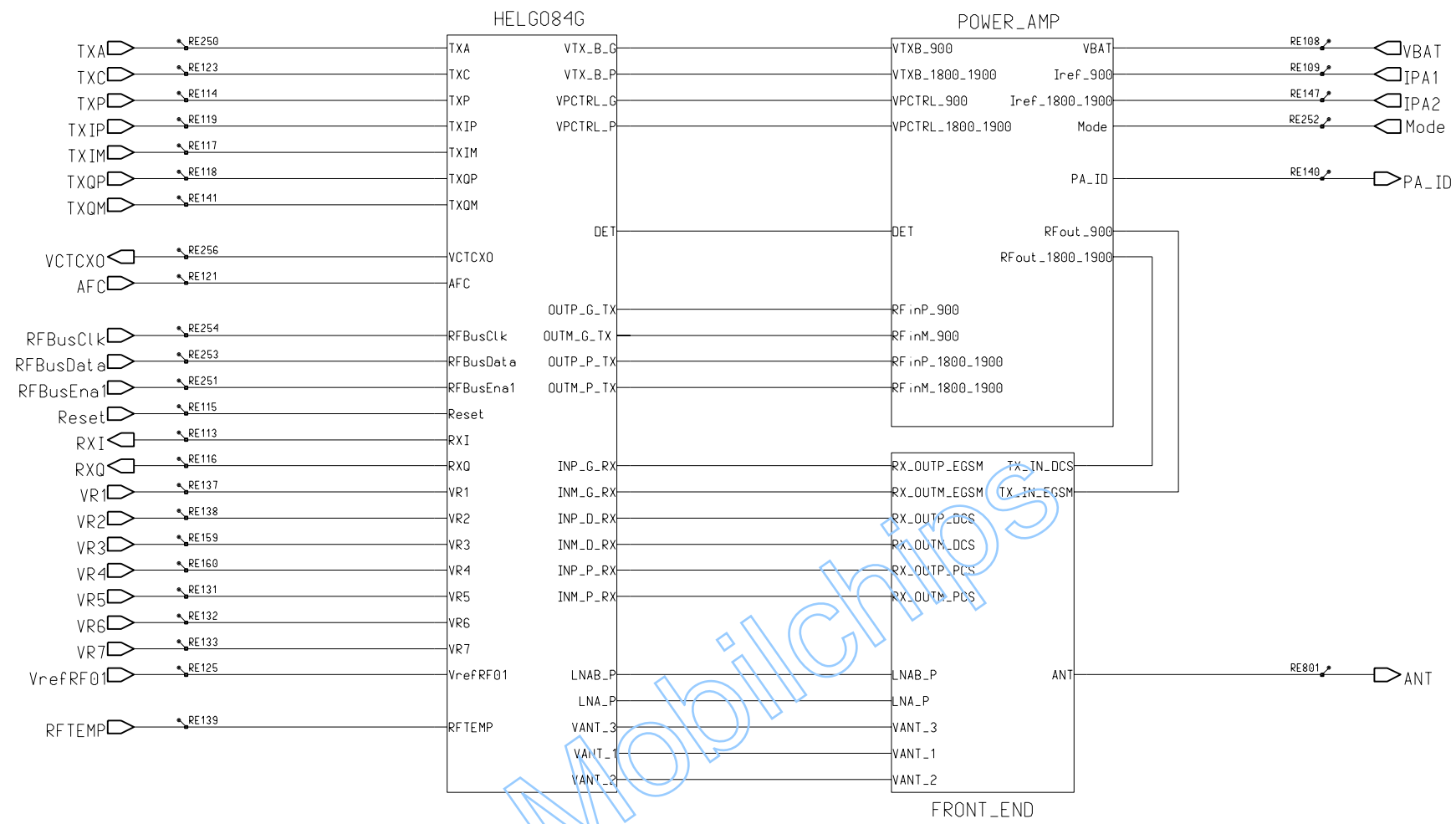
Differential stereo



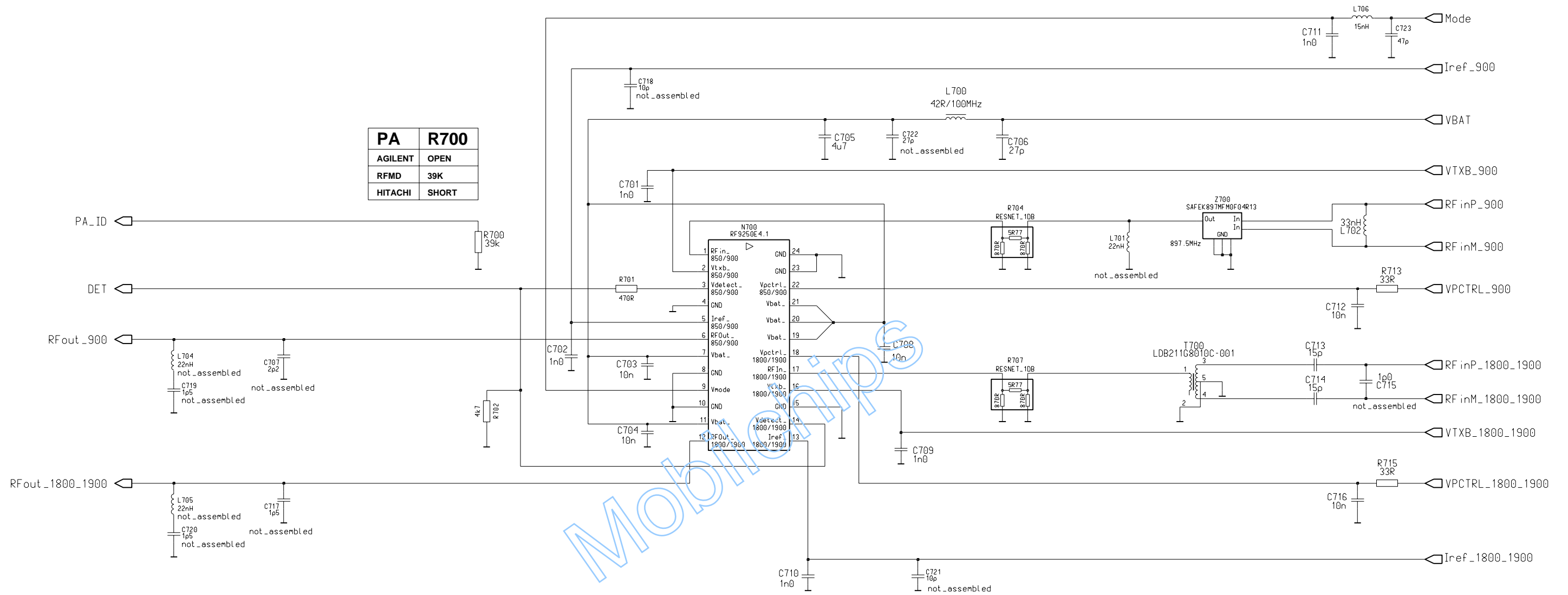
TEA5761UK



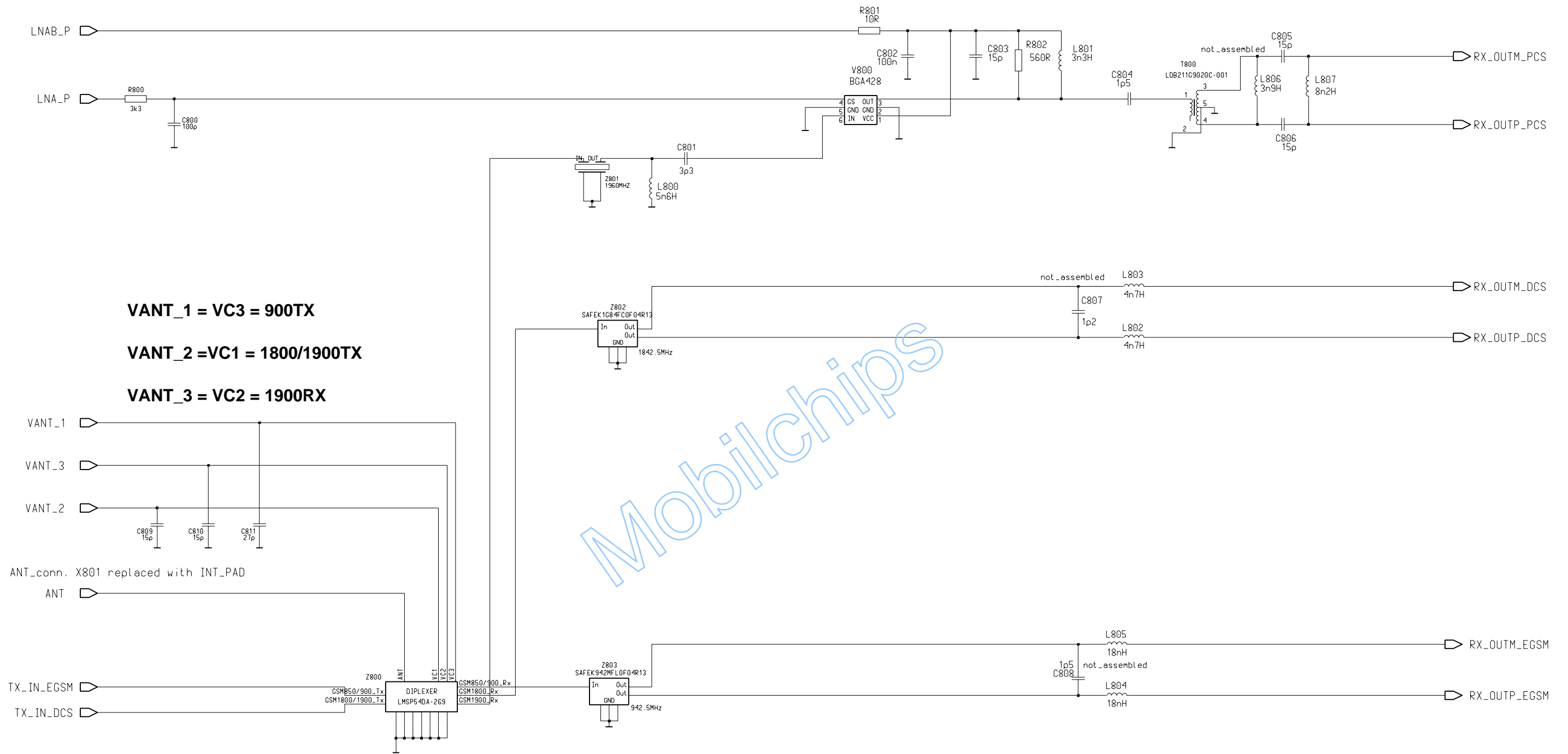
RF top level



Power amplifier and detection

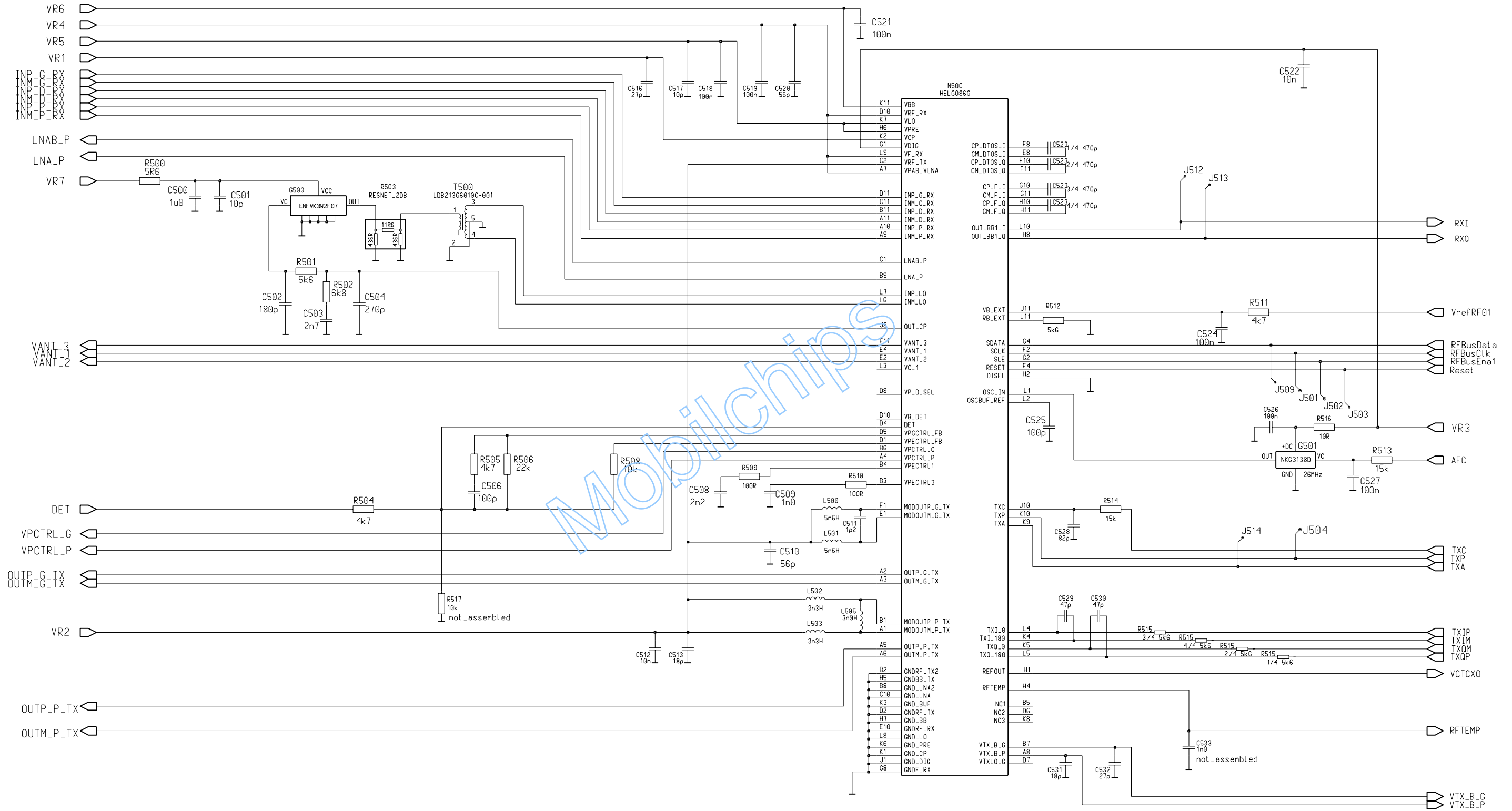


RX front end and antenna switch

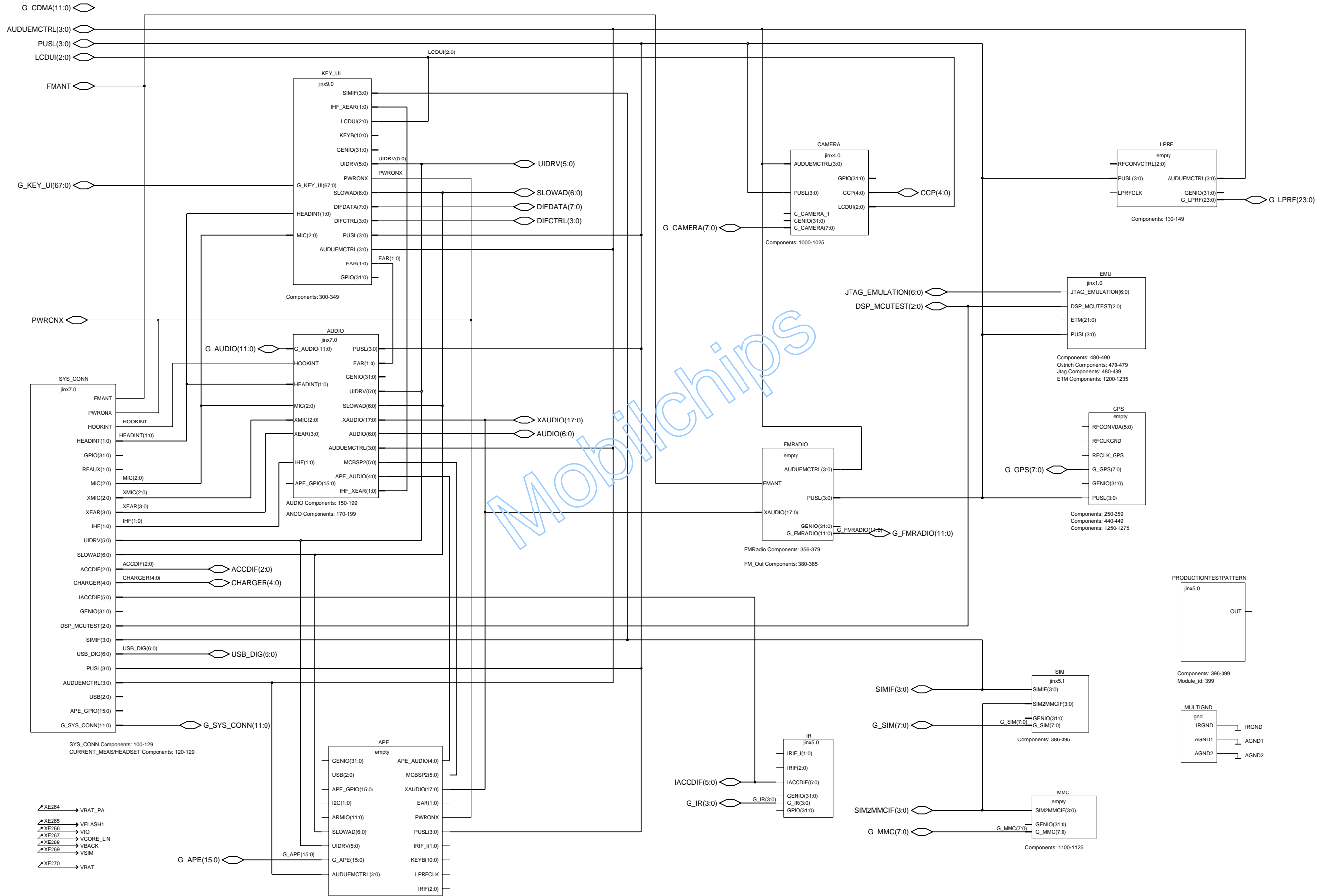


Mobilchips

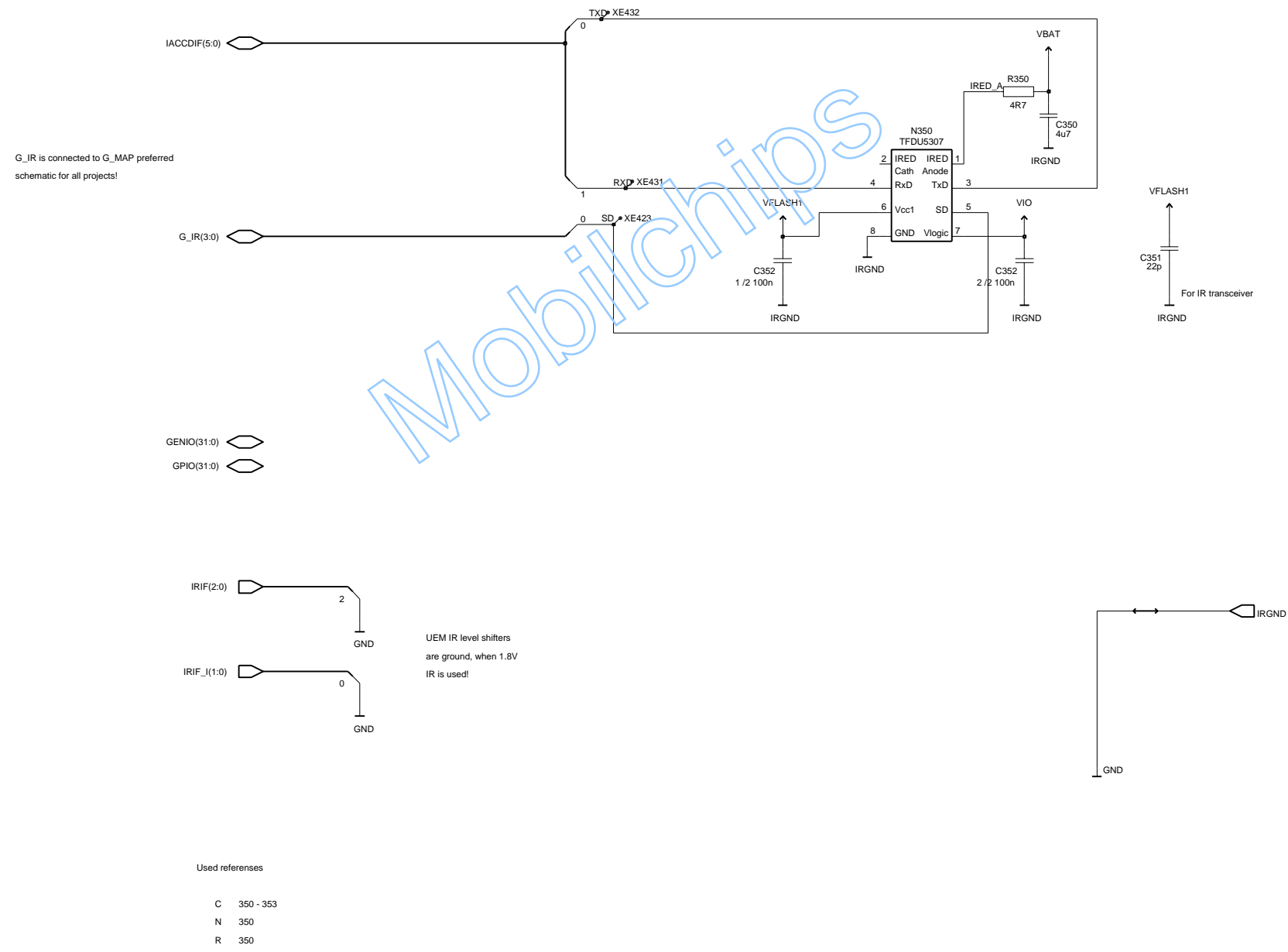
Helgo



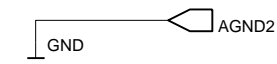
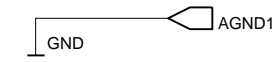
Micro BB top level



IR module

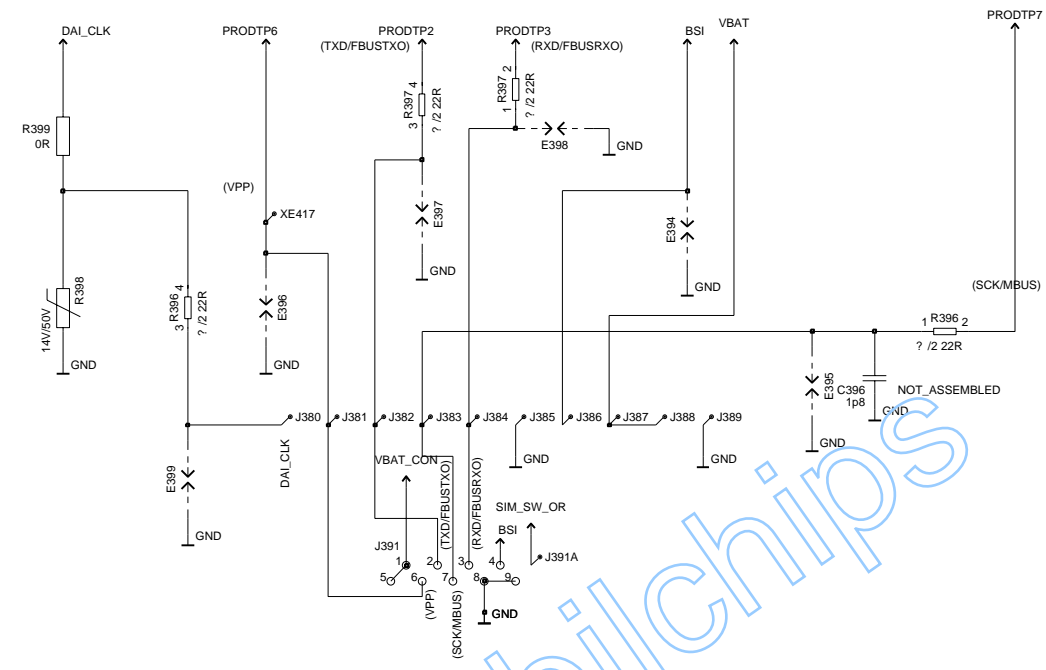


MultiGND symbol bypass



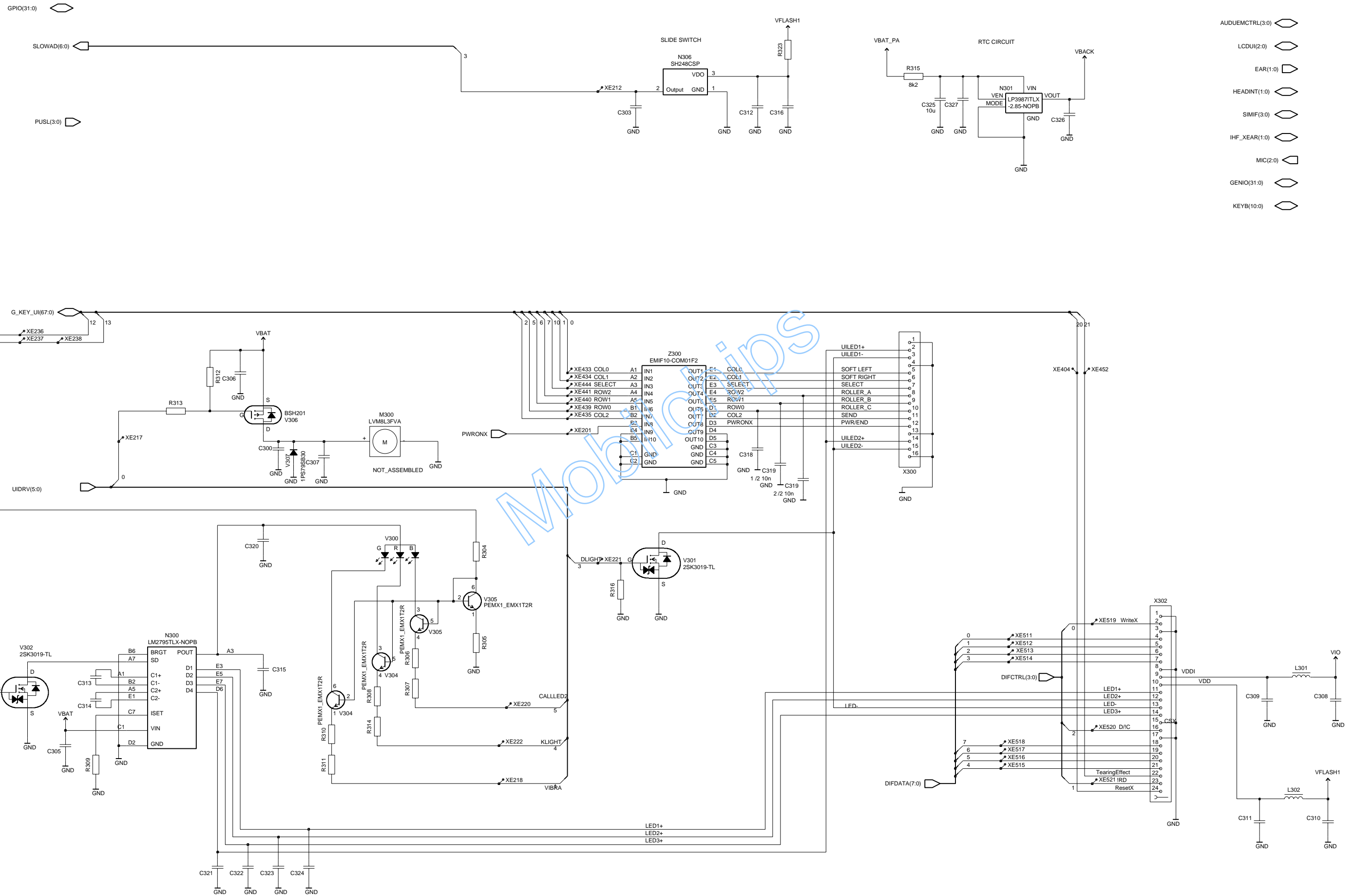
Mobilchips

5 pin production test pattern

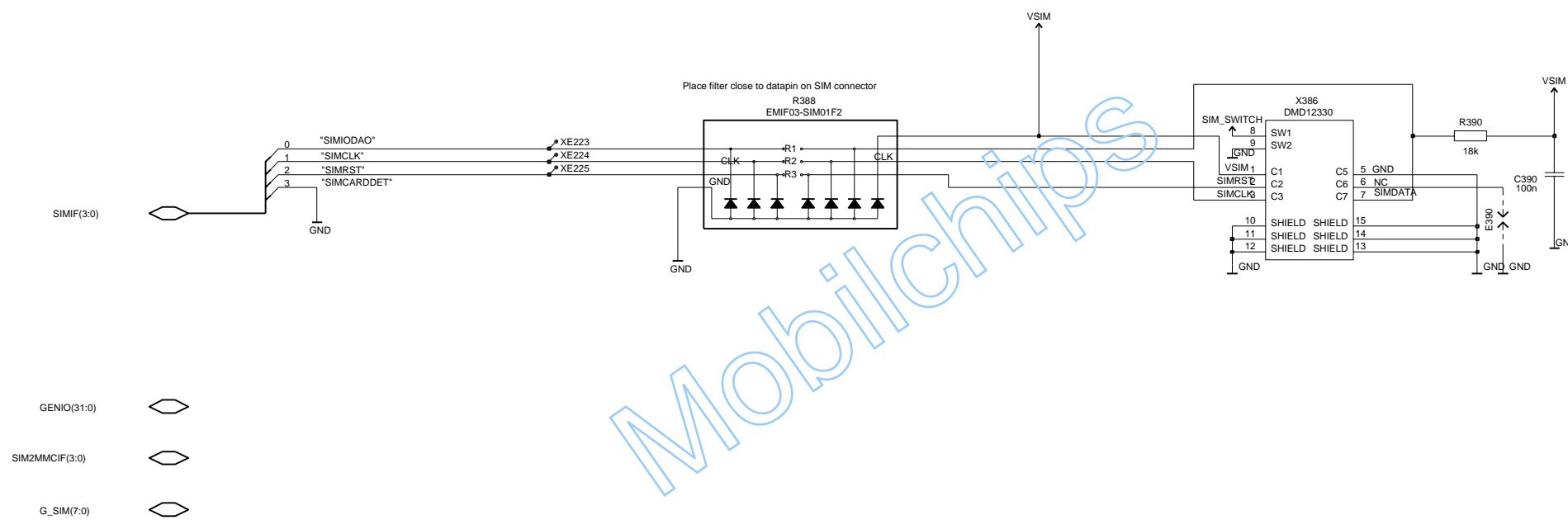


OUT

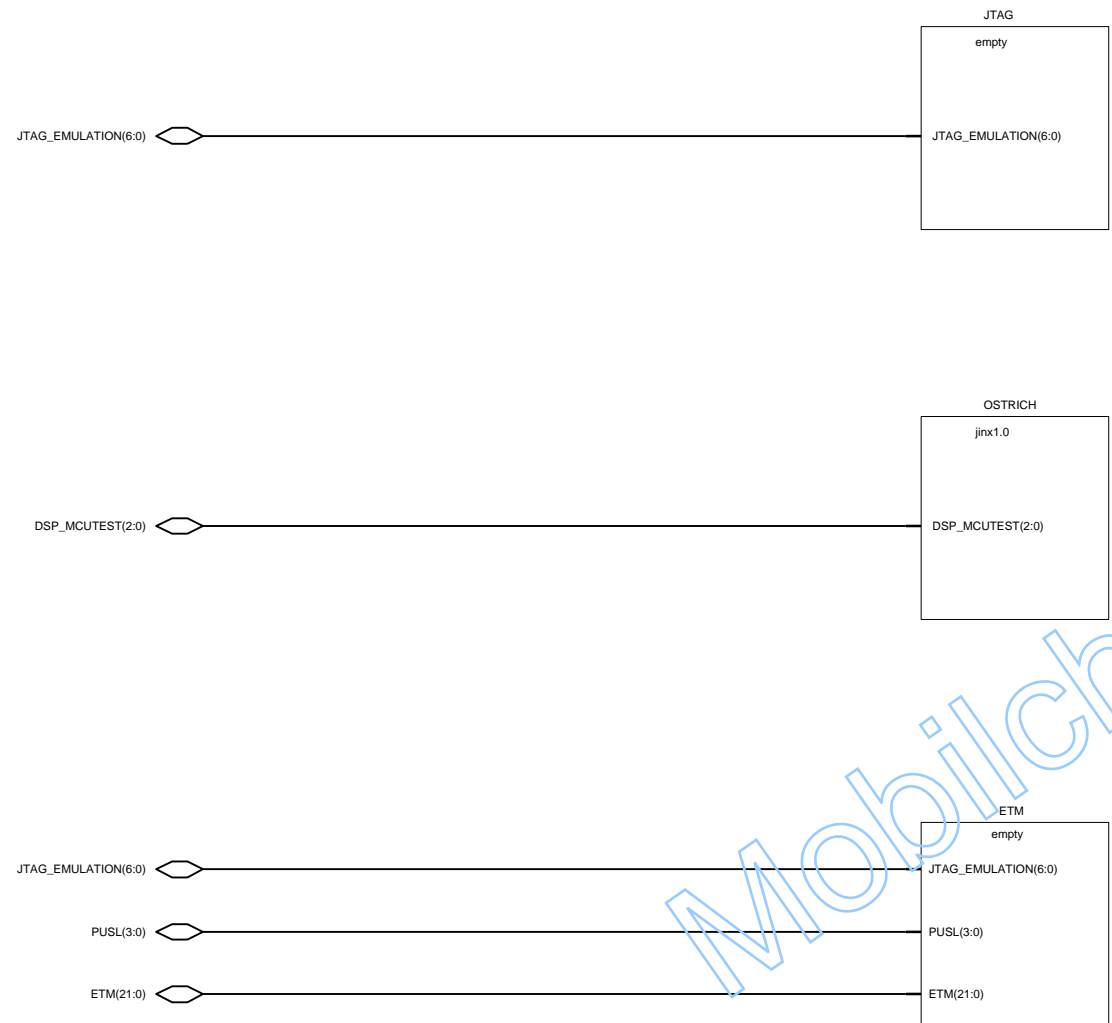
UI



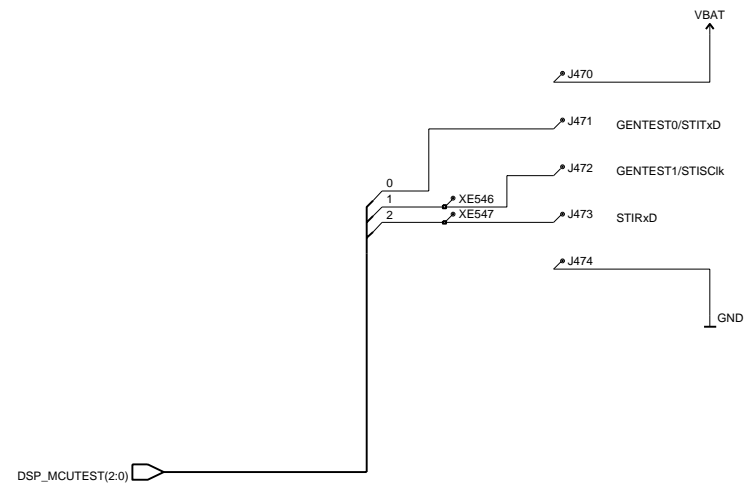
SIM reader



Test and emulator interface

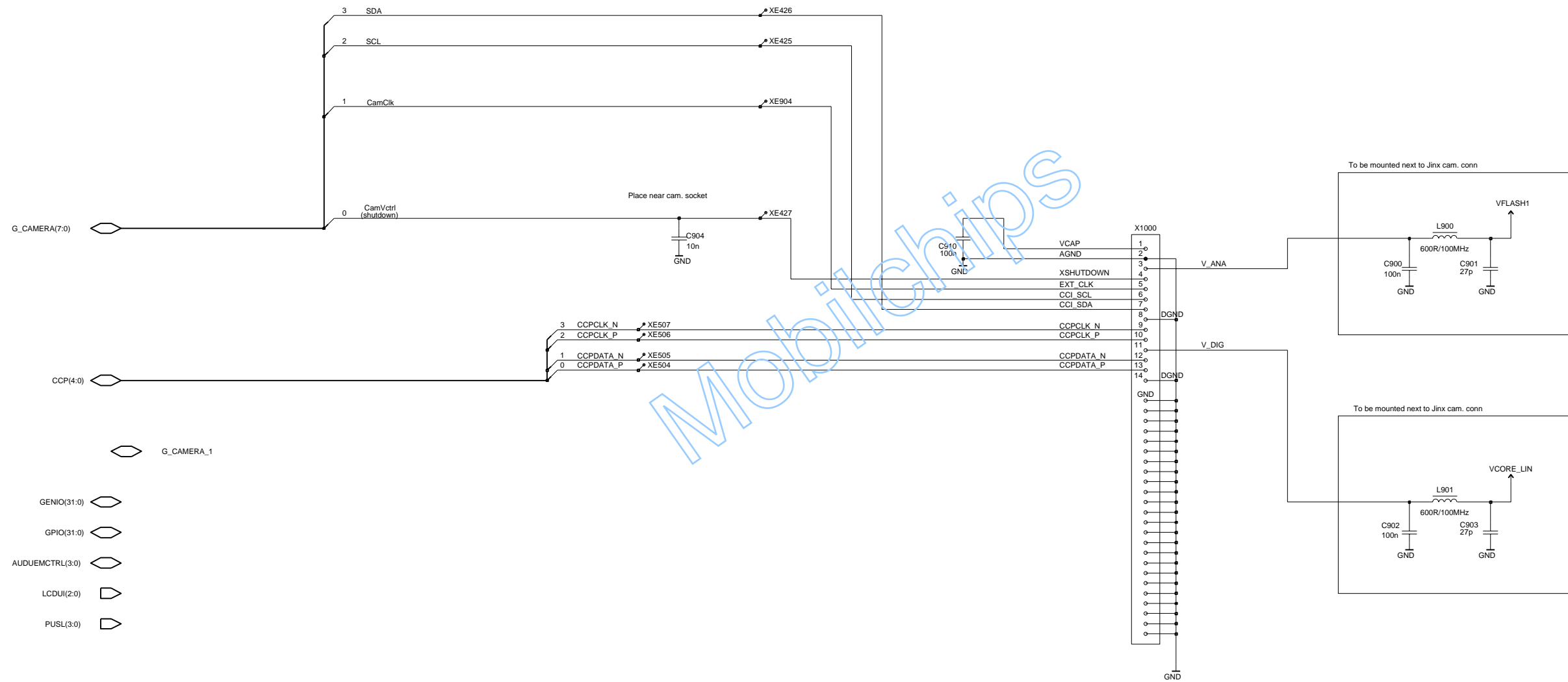


Testpoints based Ostrich interface

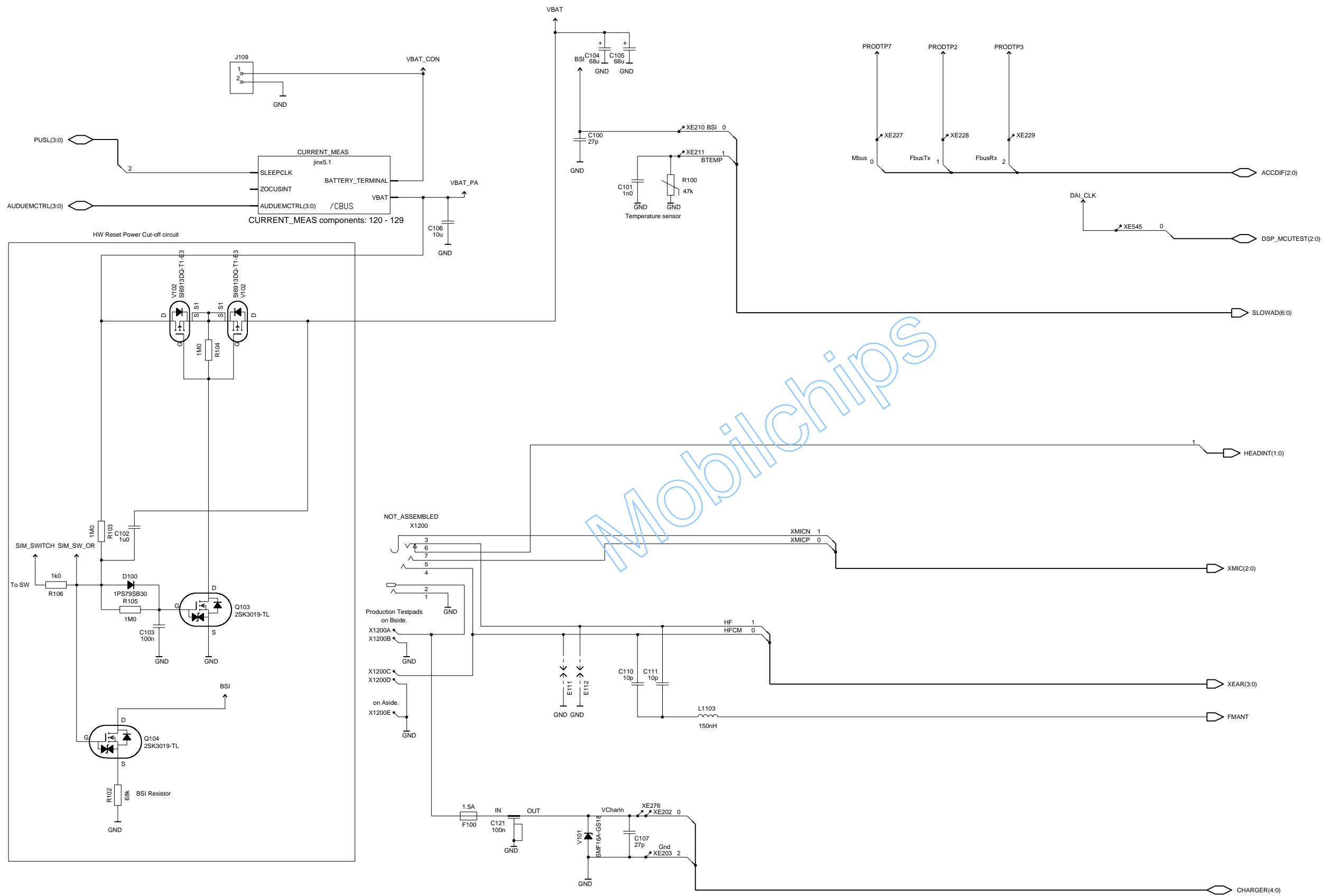


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Camera

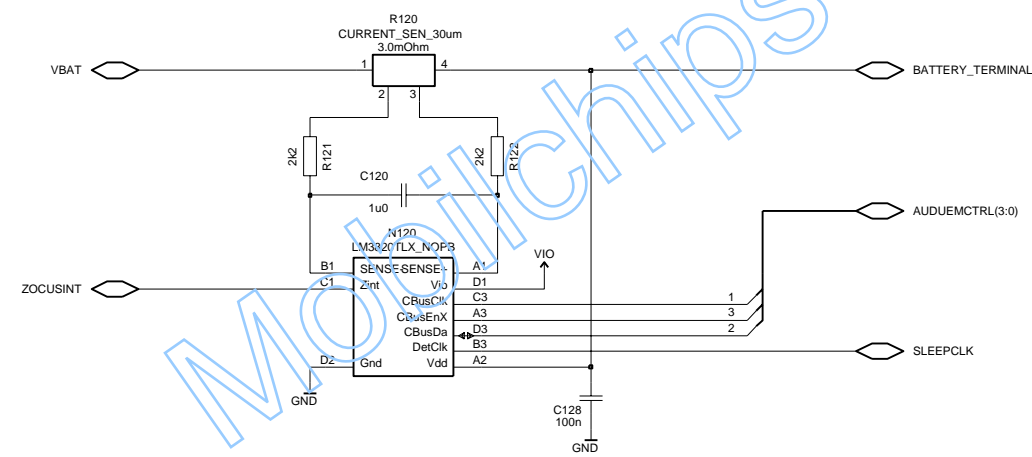


System connector

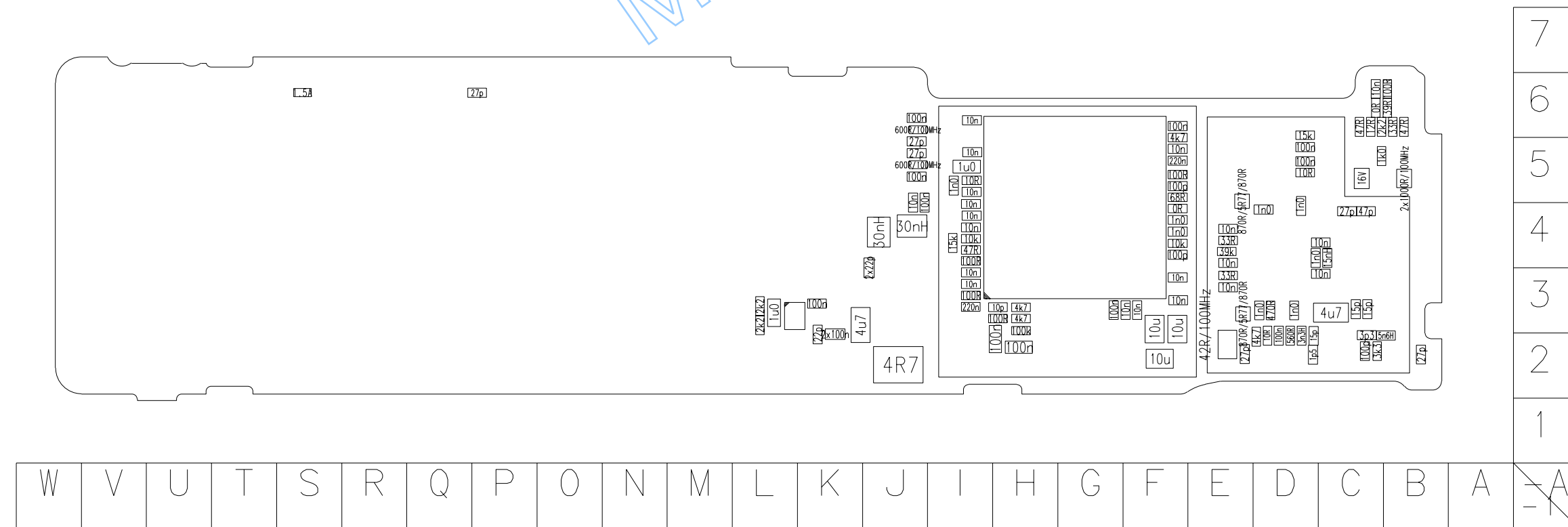
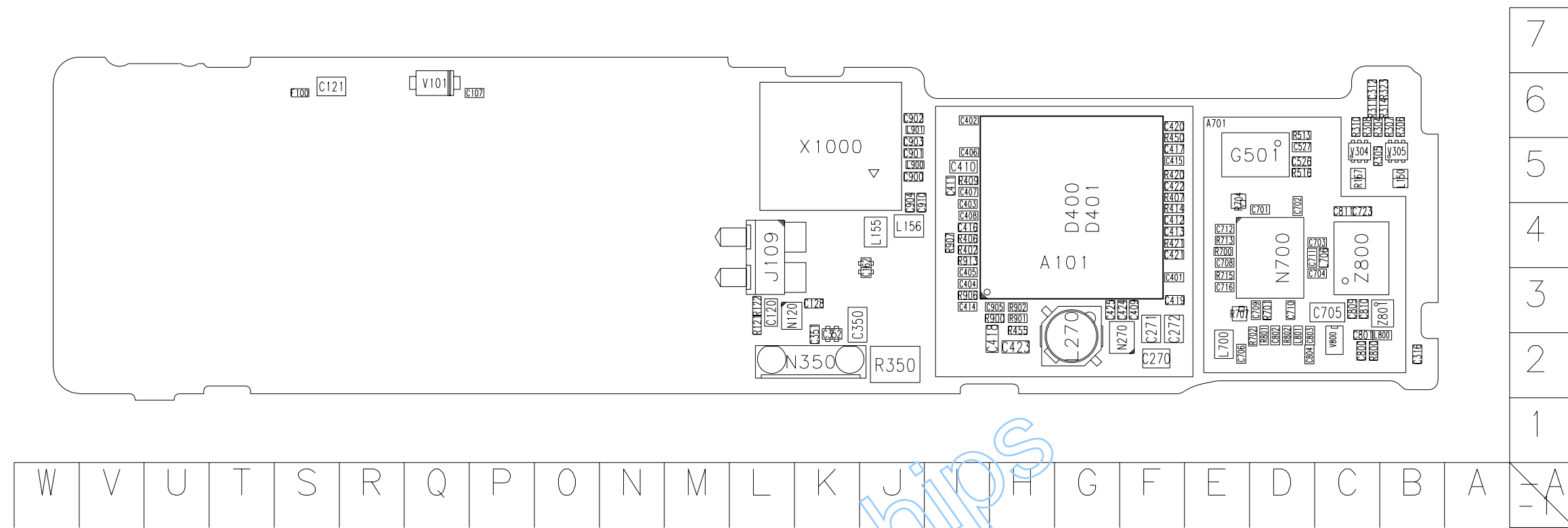


- RFAUX(1:0)
- UIDRV(5:0)
- HOOKINT
- PWRONX
- IACCDIF(5:0)
- SIMIF(3:0)
- MIC(2:0)
- GENIO(31:0)
- USB(2:0)
- APE_GPIO(15:0)
- IHF(1:0)
- GPIO(31:0)
- G_SYS_CONN(11:0)
- USB_DIG(6:0)

Current measure



Layouts, bottom



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