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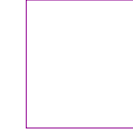
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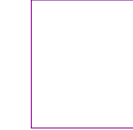
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Steel Deck Connections



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Steel Deck Headers TH



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Steel Joists



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Steel Deck Headers - H



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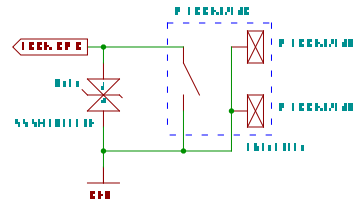
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Steel Deck Headers

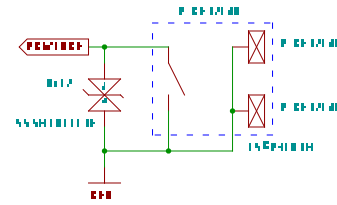


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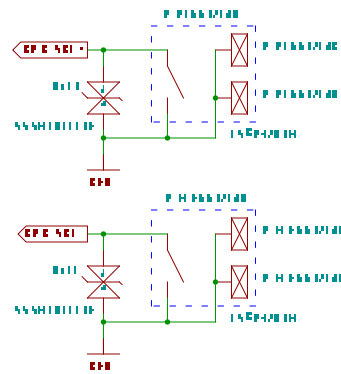
lock-switch



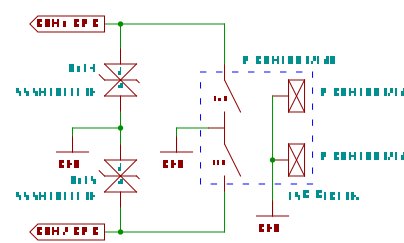
on-off



volume

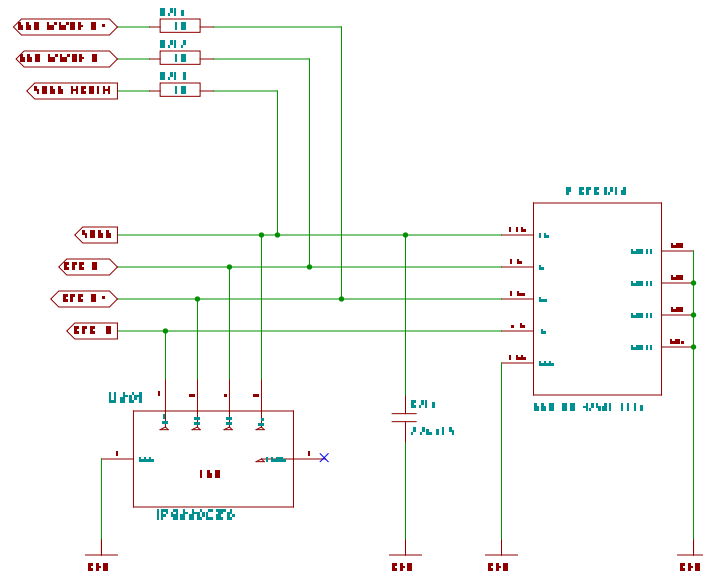


common trigger

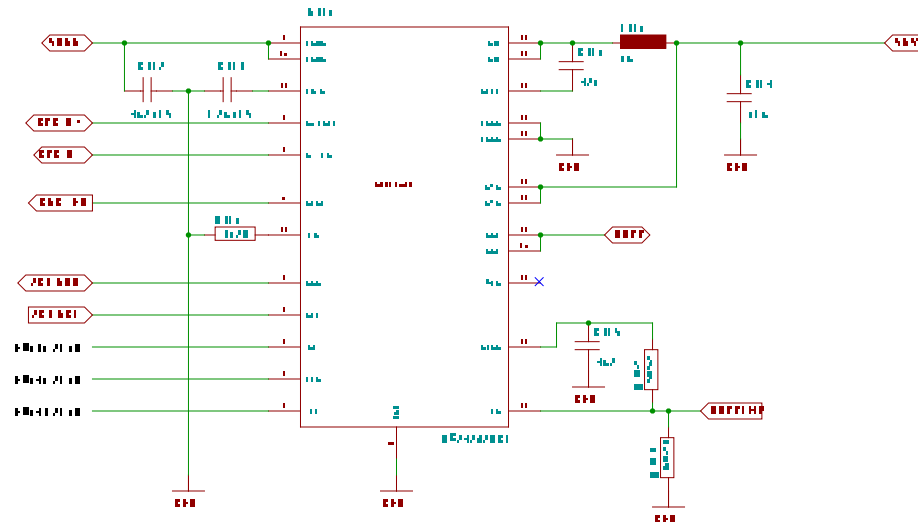


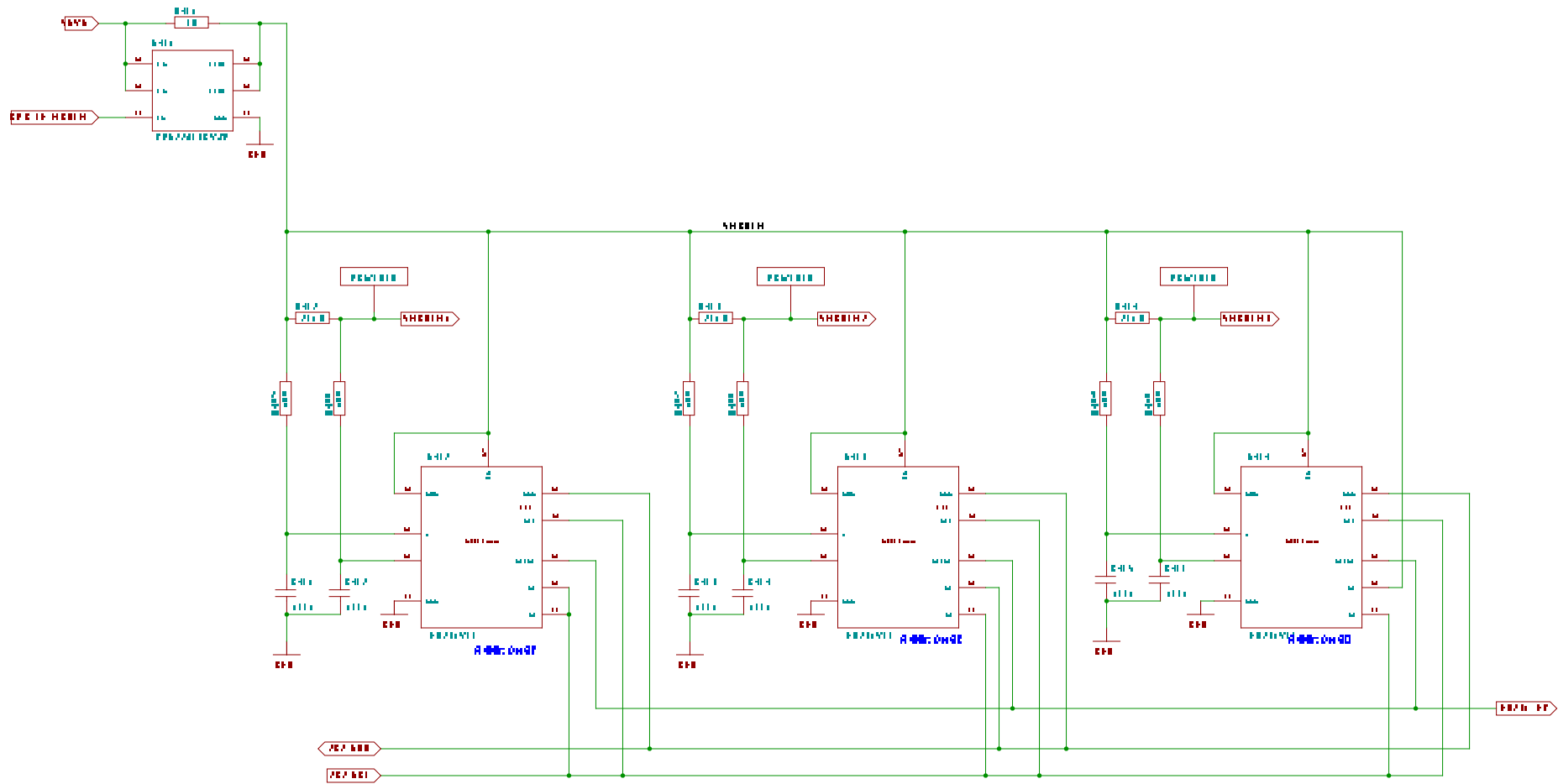
place in each wire 1-8 wire to UPPER board into all of it  
 i.e. 1 01-4 or 1 01-5 can be connected to GP10-4  
 or 10-5 to 10-6 to be in the keyboard wires  
 in any case its sufficient to connect GP10-1 01-4 and 1 01-5 to two pins on the 8 pin connector

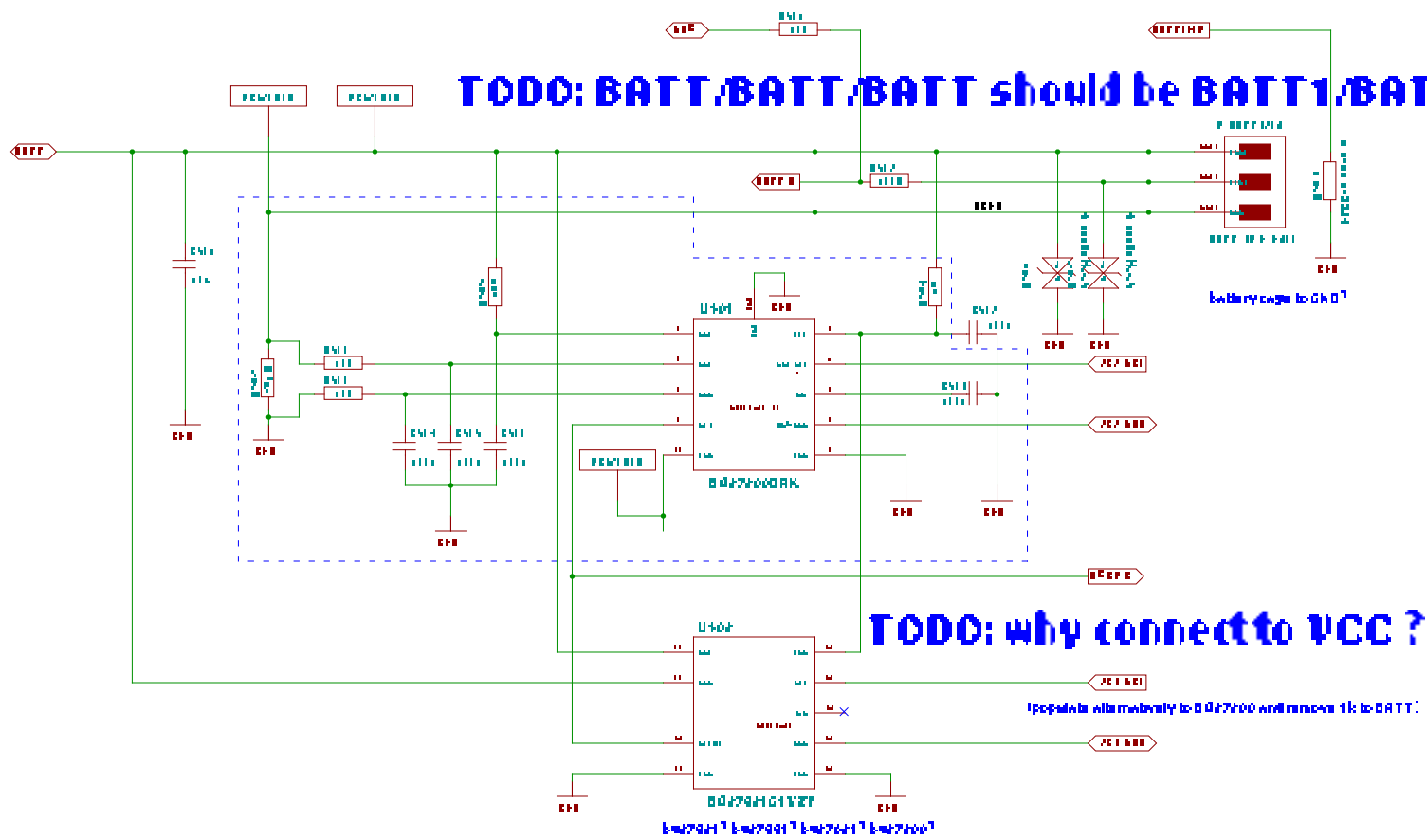
can be used to back-terminate the motion through the DTG ports to UPPER PCB:



TODO







**TODO: BATT/BATT/BATT should be BATT1/BATT2/BATT3**

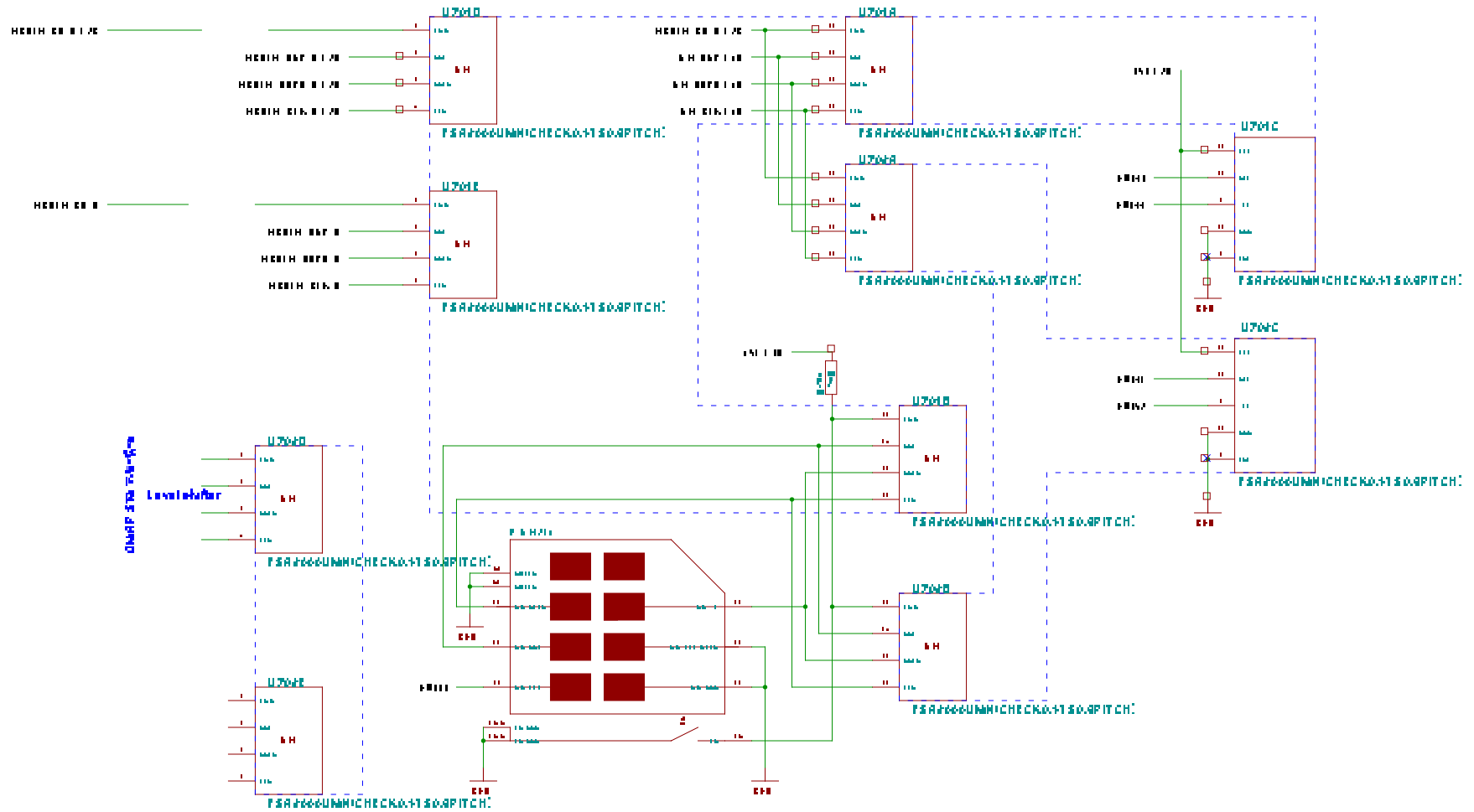
**TODO: why connect to VCC ?**

*(populate with polarity to BQ27421 and remove 1k to BATT)*

- TODO: U502 BAT and SRX short**
- TODO: can U501 and U502 coexist ?**
- TODO: BQ27421VZFR-G1A or B ?**



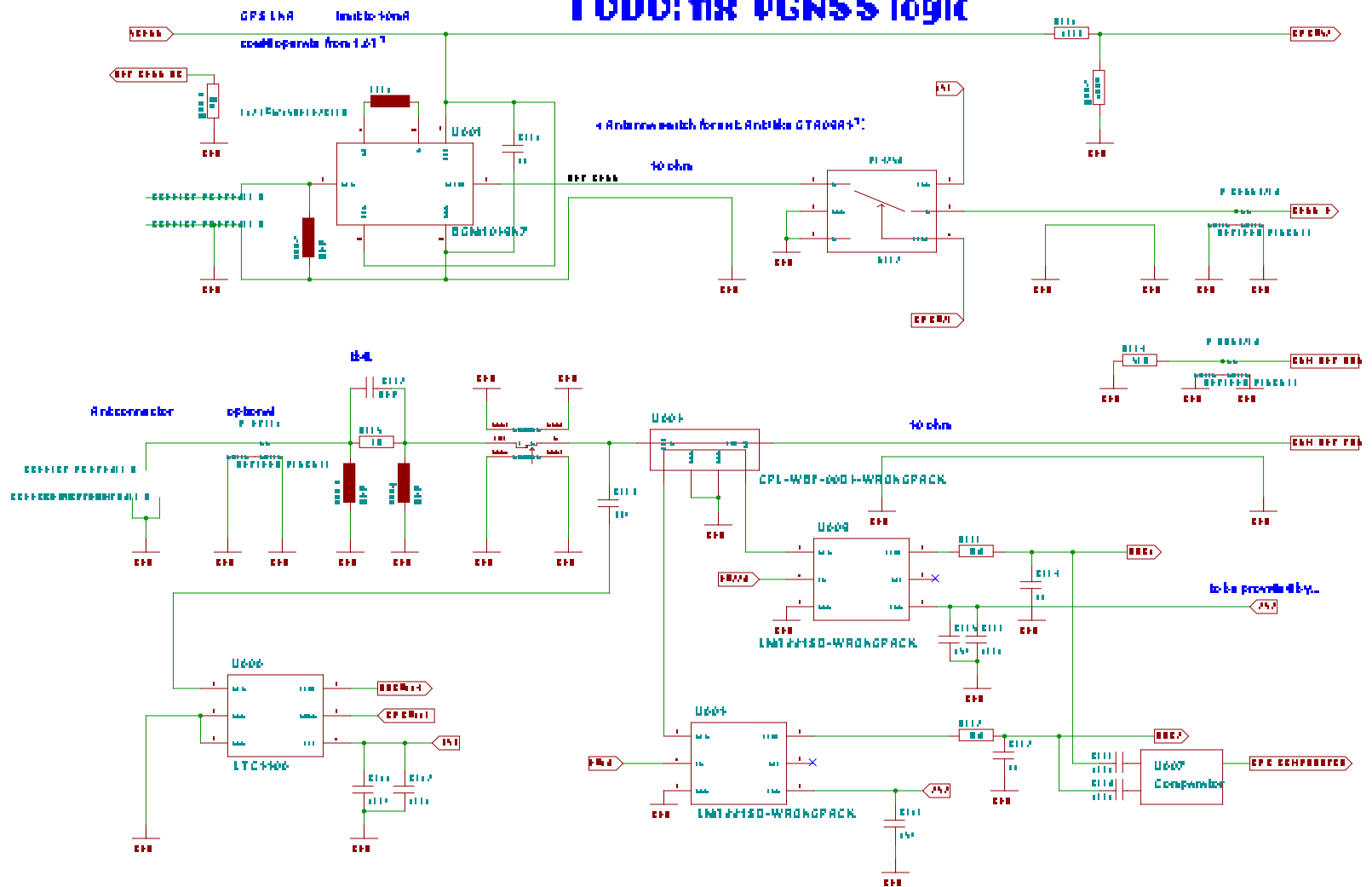
# TODO: not cleaned up - needs total rewrite



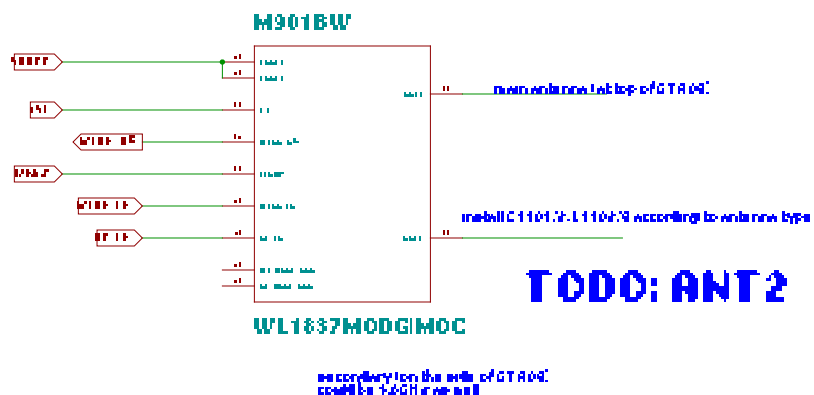
NOTE: nmos control missing  
 NOTE: CD logic missing  
 NOTE: sink power supply missing



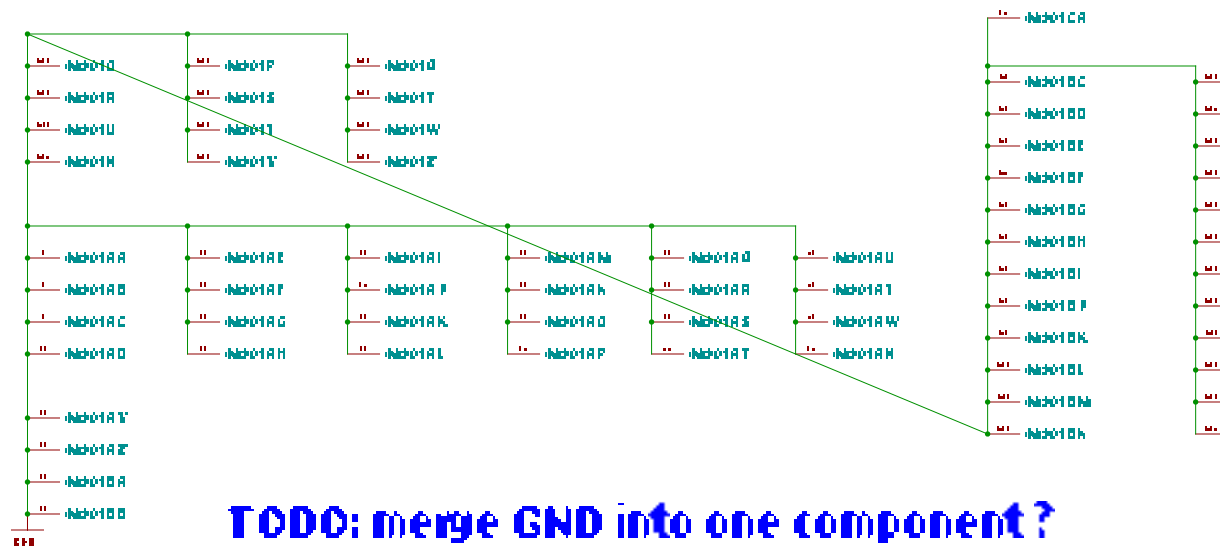
**TODO: fix VGSS logic**



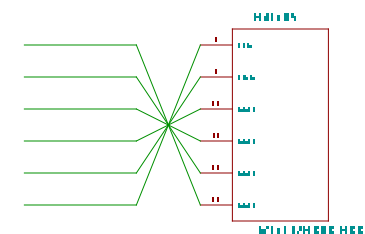
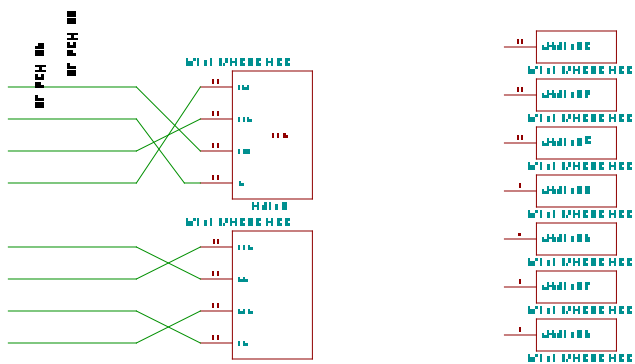
**TODO: name all the '\$\***



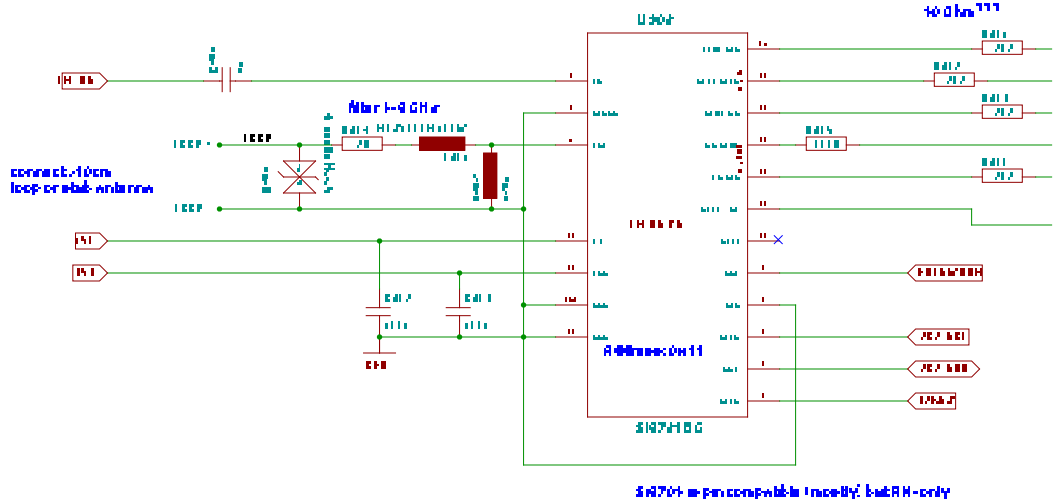
**TODO: ANT 2**



**TODO: merge GND into one component?**



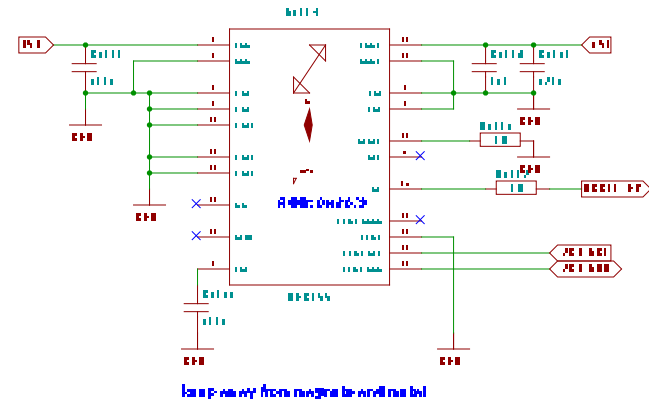
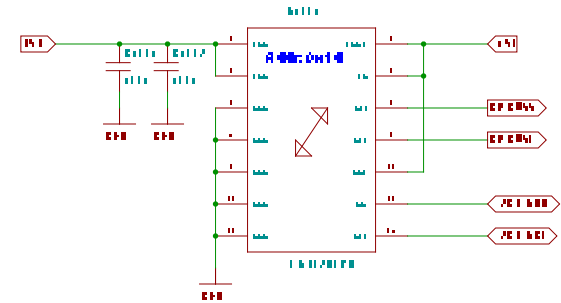
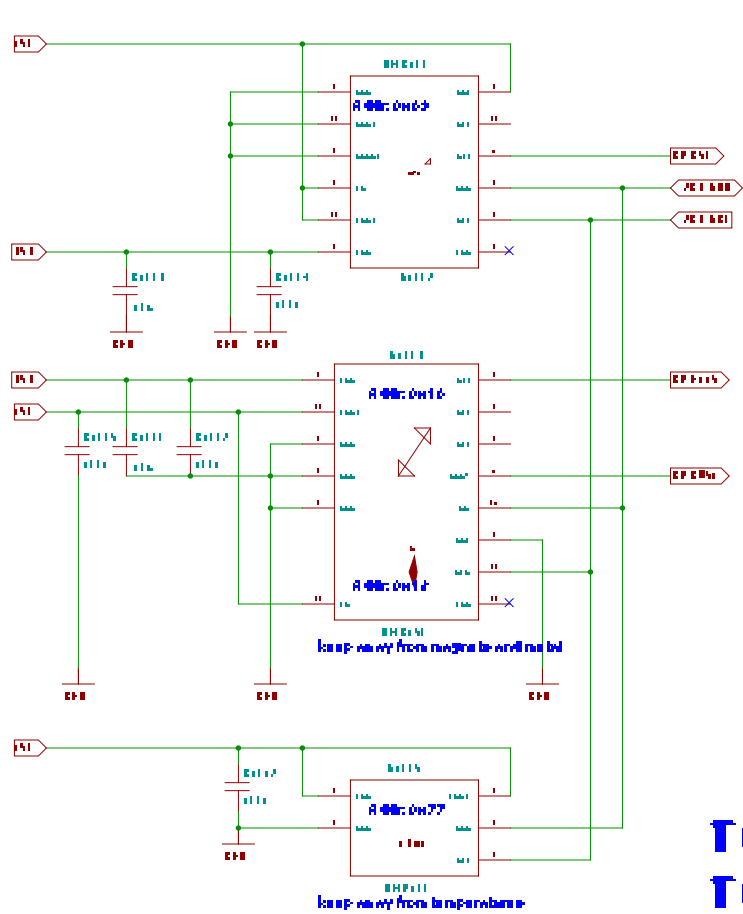
- \_\_\_\_\_ MPCB 08
- \_\_\_\_\_ MPCB 16
- \_\_\_\_\_ MPCB 18
- \_\_\_\_\_
- \_\_\_\_\_ MPCB 24
- \_\_\_\_\_ MPCB 26



SA704 is pin compatible trace-by-trace with SA700

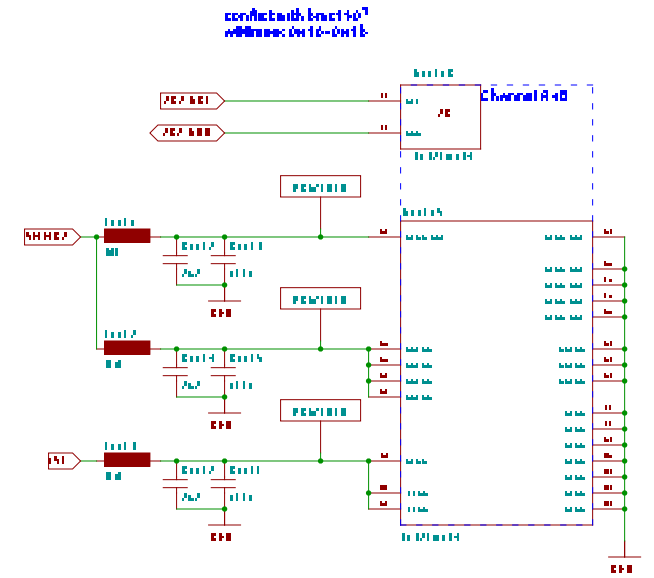
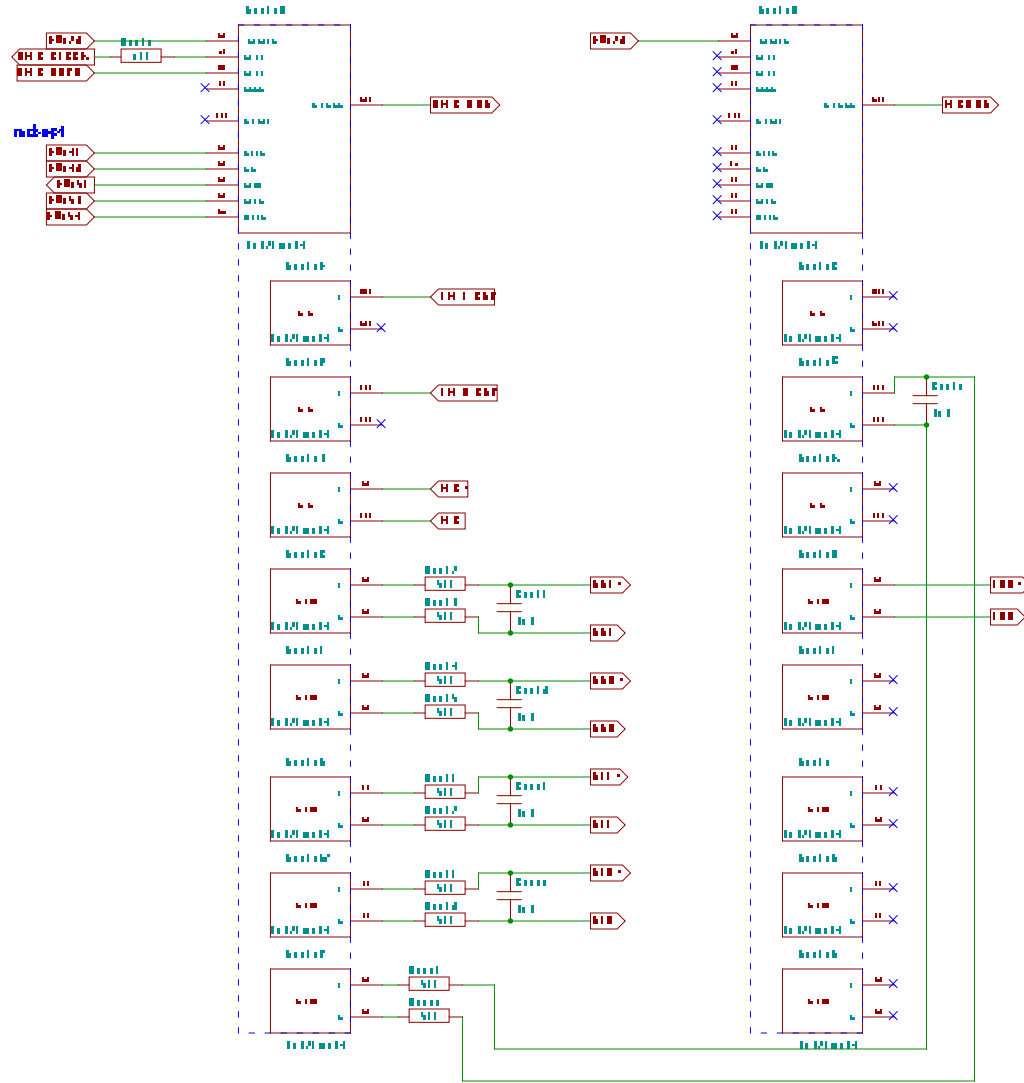
**TODO: merge GND**

FS  
CL  
DH  
DR  
FS  
CL

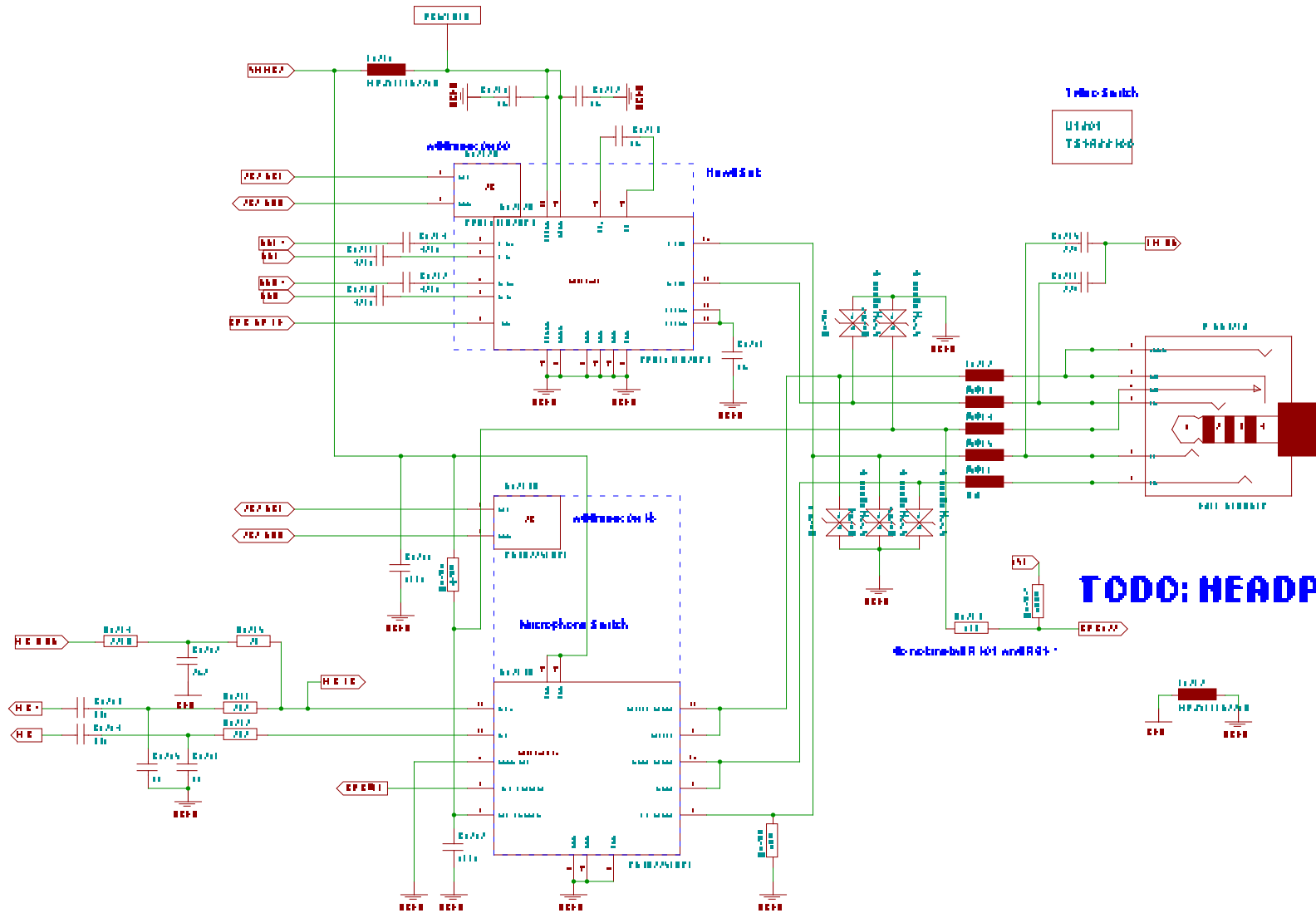


- TODO: no BMG160, BMC150**
- TODO: BMP180 -> BME280**
- TODO: BNO055 -> BMX055**
- TODO: INT1/2 sharing**

problem: the new 0.1mm BGA making board board expensive +  
 but it appears to be not a primary critical to only 1 row and inner ring = GND  
 problem: analog noise on upper board +  
 alternative: place on upper board to be evaluated

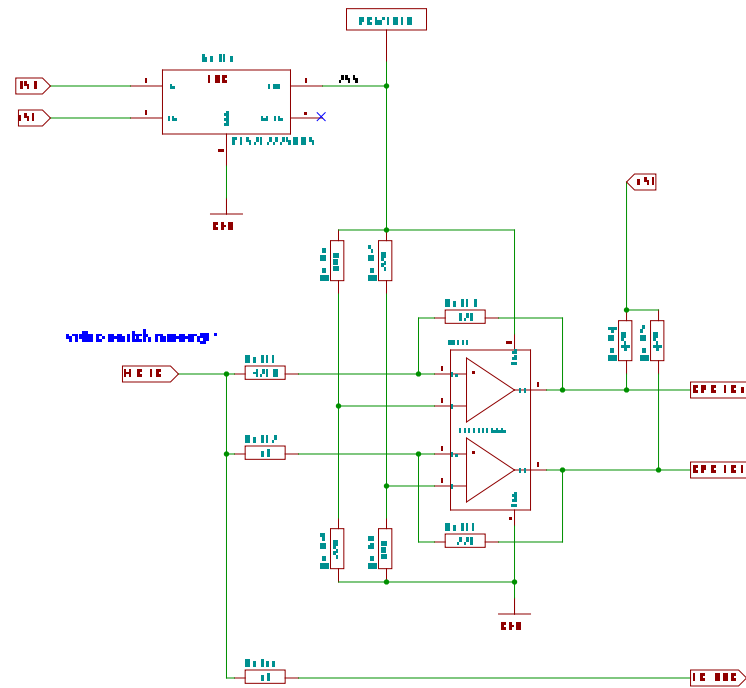


conflict with board top?  
 will have to do - do it



**TODO: HEADPH\_IND ?**

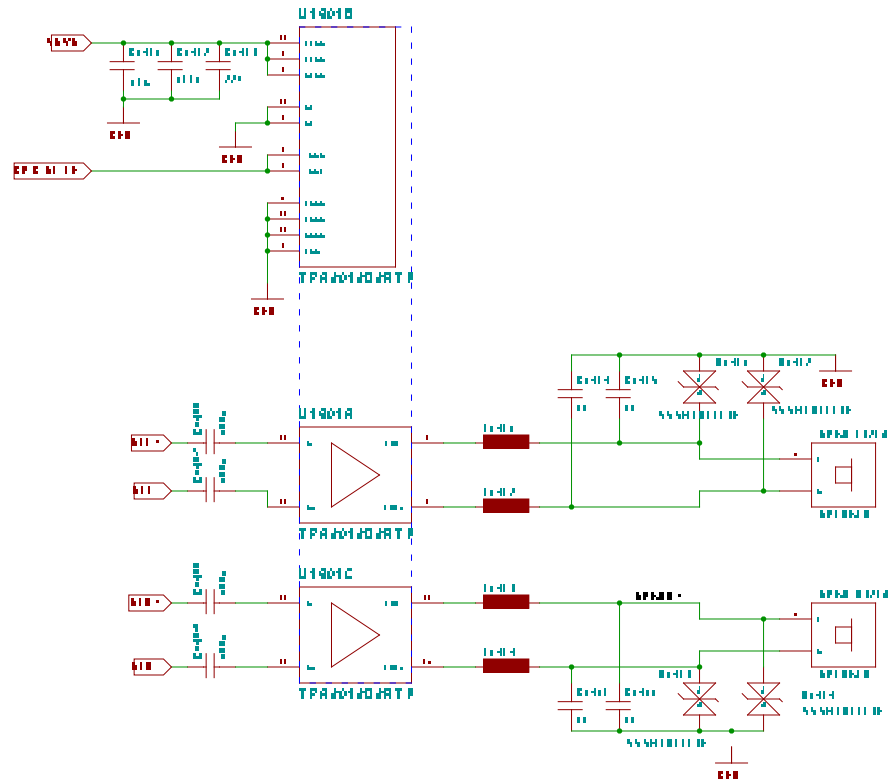
↳ notreiller 101 and 102

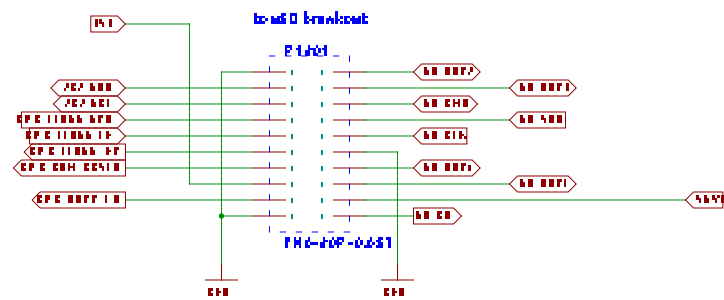


video switch missing

**TODO: draw comparator right**

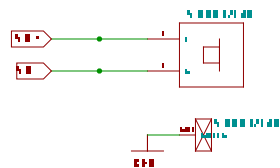
Hardware Frame



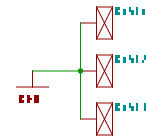


**TODO: bogus connector (see HB WP)**

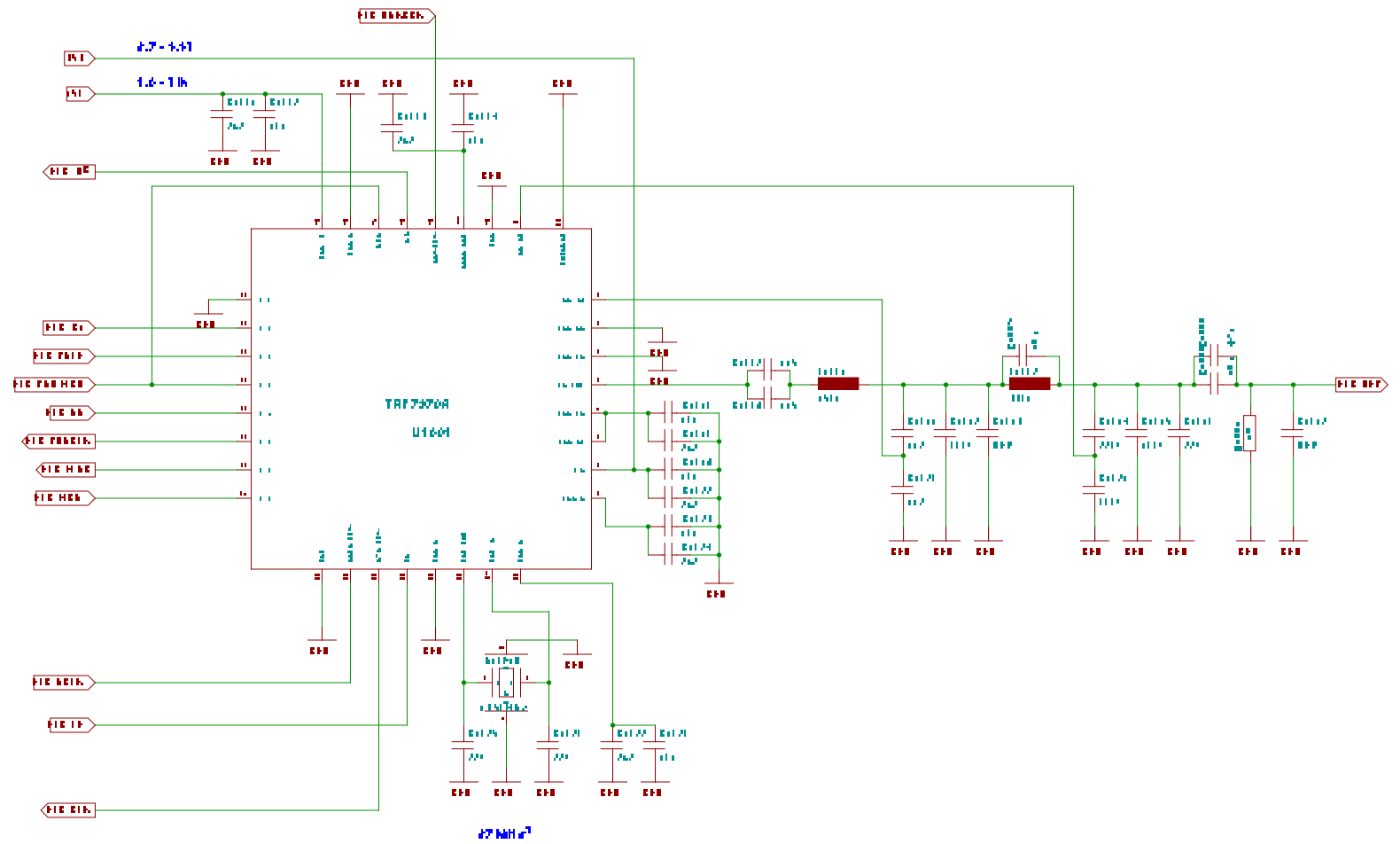
**1 to 2 connector**



**3 to 0**



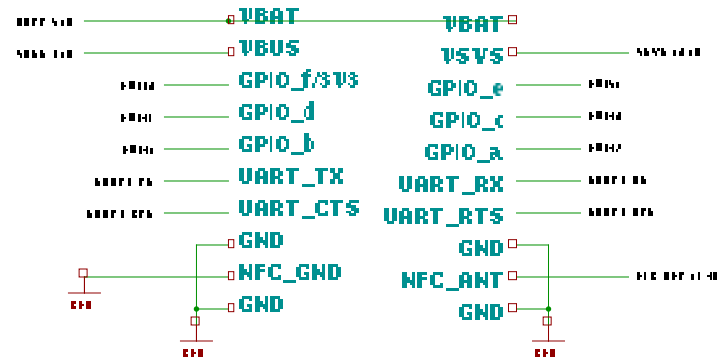
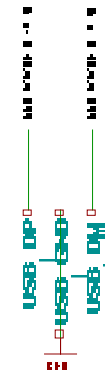






NOTE: this is wrong! eg. Blynkbot will be right! connections  
 3 pins may have to be tied through the break-out board connector more wiring assistance

**TODO: align with HB WP**

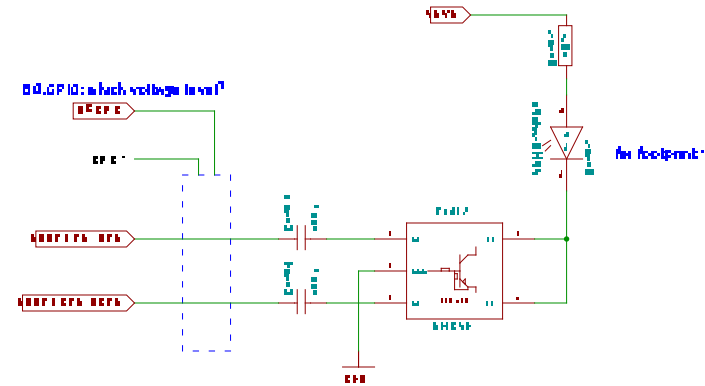
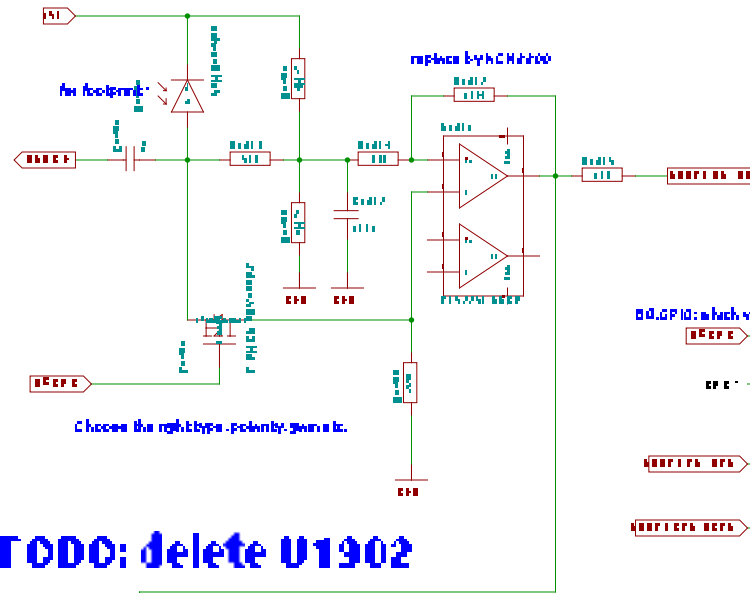


Missing 10 level shifter chip for I2C as really have the space for I2C @ pins T4R40 on 1x1mm each?

Missing 6 pin I2R for alternate function select? @ as have the space for on 1x1mm trans?

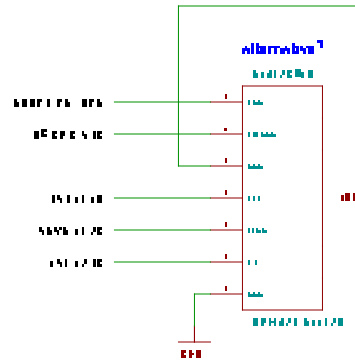
**TODO: align with HB WP**

NOTE: 116-nvylk "wala rony"



**TODO: delete U1902**

**TODO: update to design in IR WP**



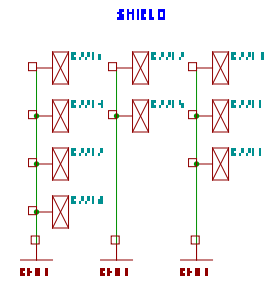
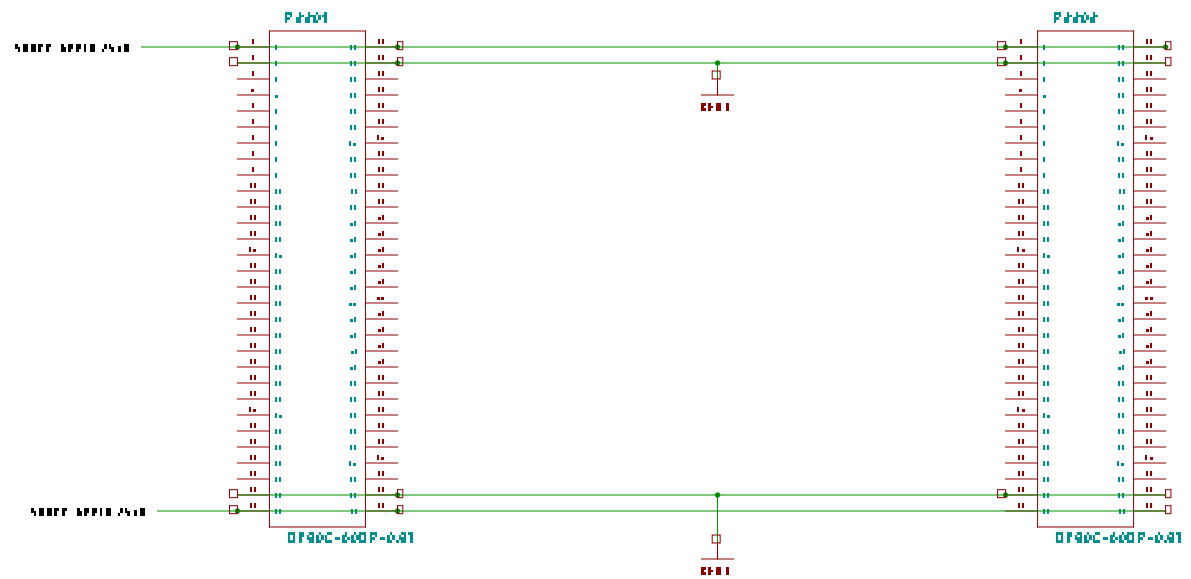




# TODO: track B2B to UPPER

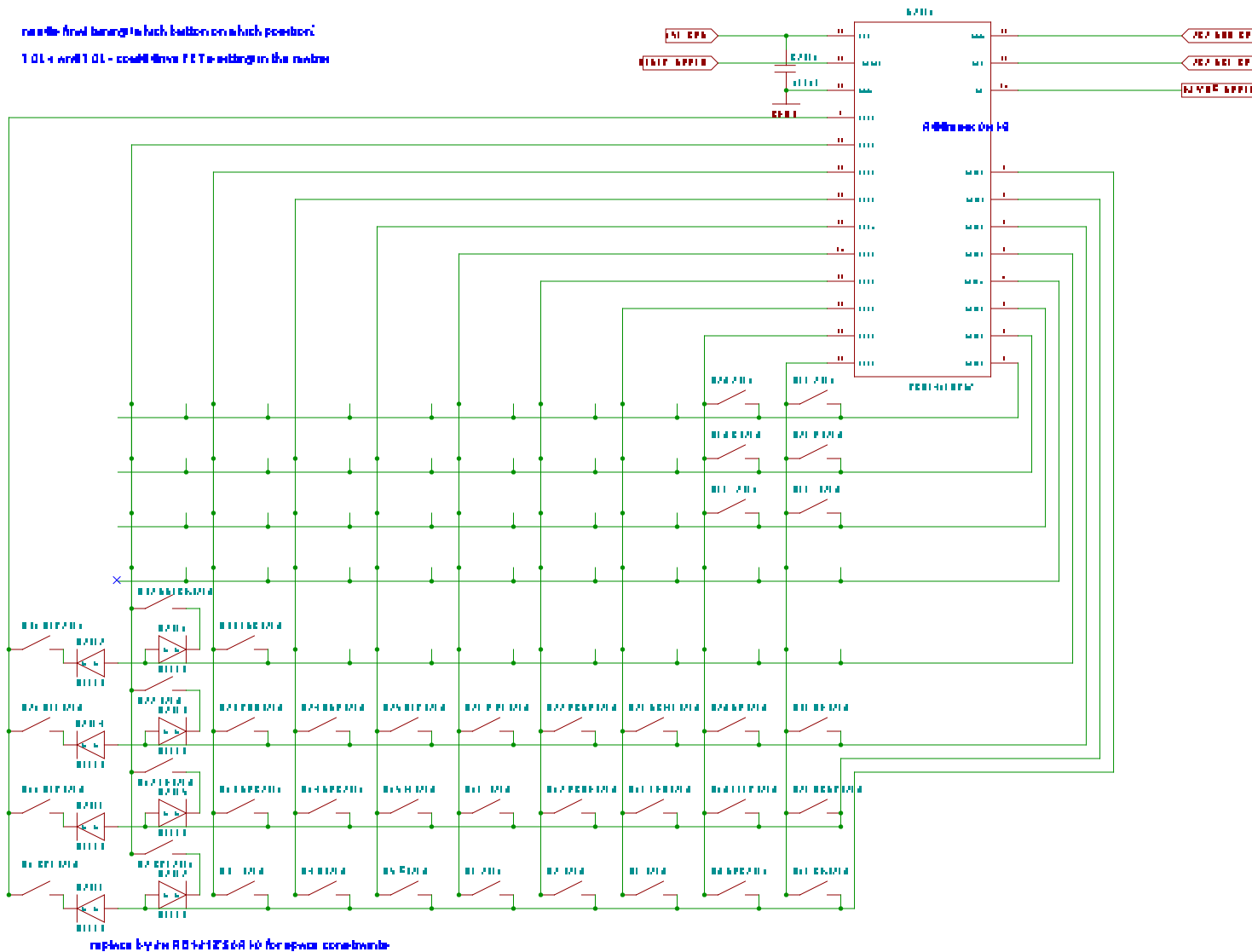
=====  
=====  
=====

to be with a 40 to lower board connector



# TODO: \*\_UPPER names ?

name the final bearing to each button on which position?  
TOL+ and TOL- could drive PETA settings in the matrix



TODO: remove \$709 in comp ref

TODO: remove keycap from comp ref

TODO: sort out 6 "ext" buttons

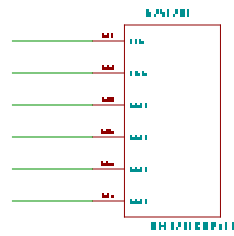
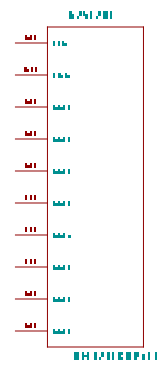
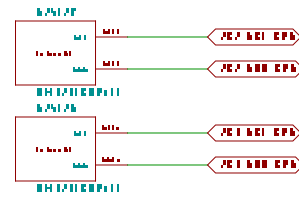
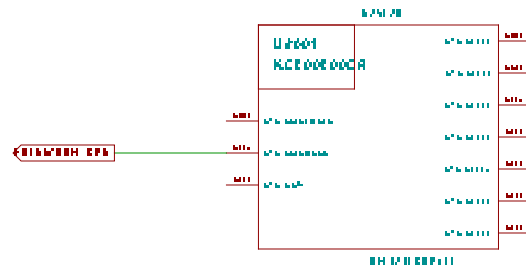
TODO: rearrange matrix to avoid diodes ?



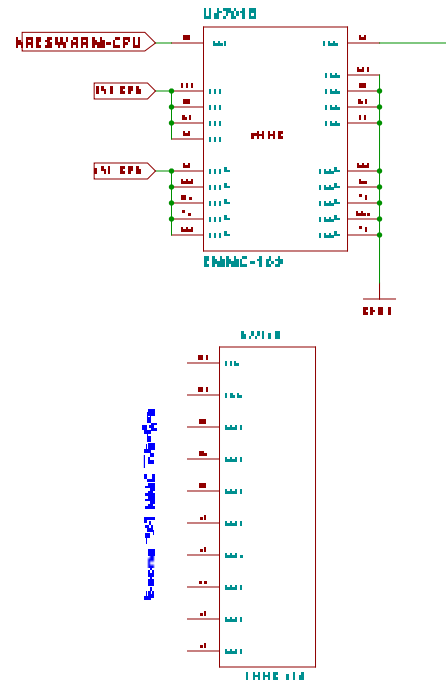




INCOMPLETE int

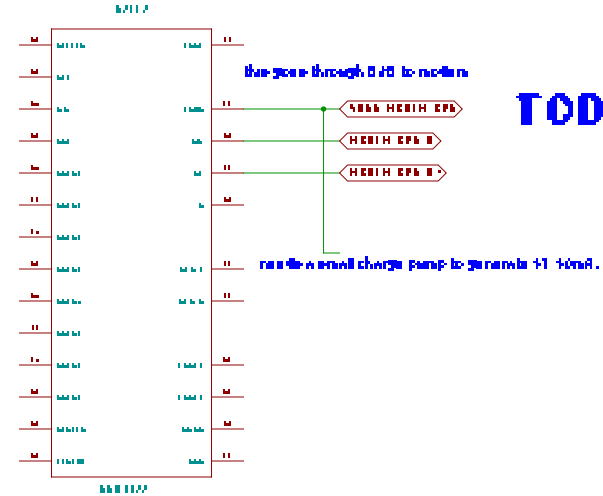
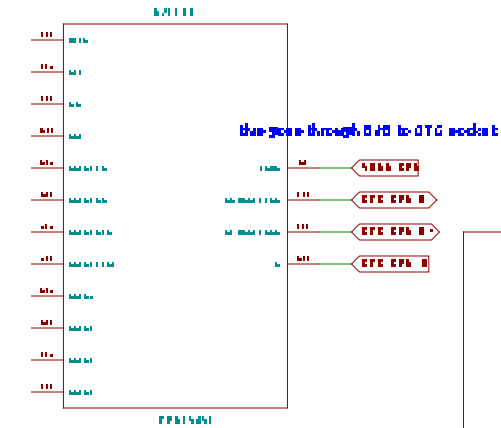
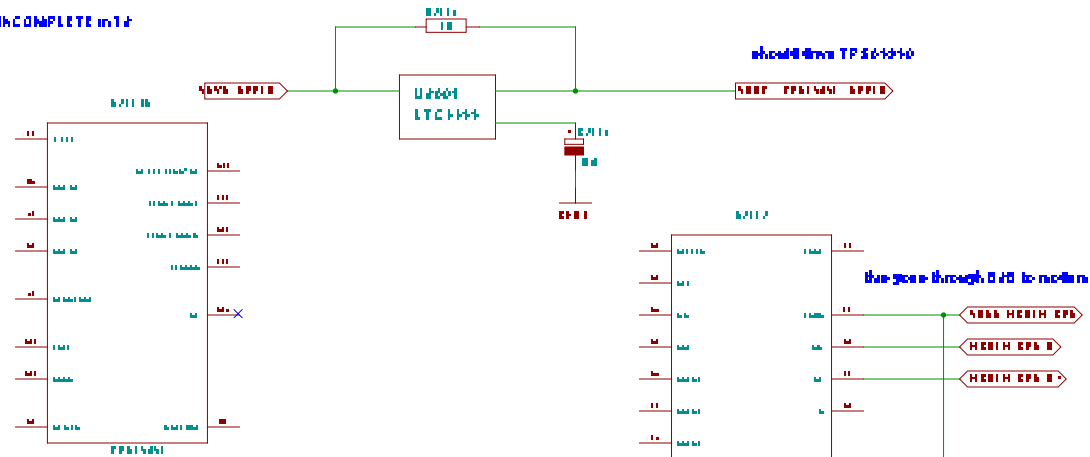


INCOMPLETE INT

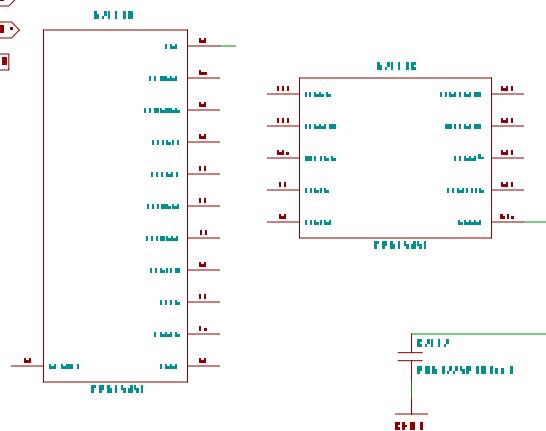


# TODO: check role

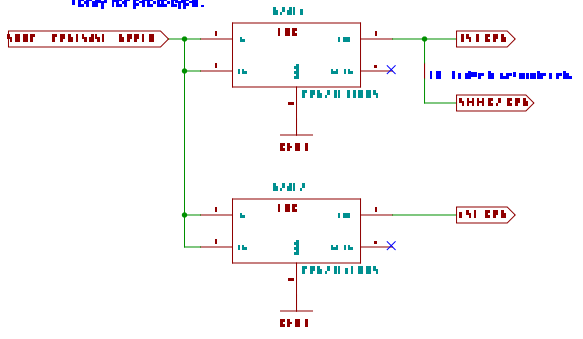
INCOMPLETE in 17



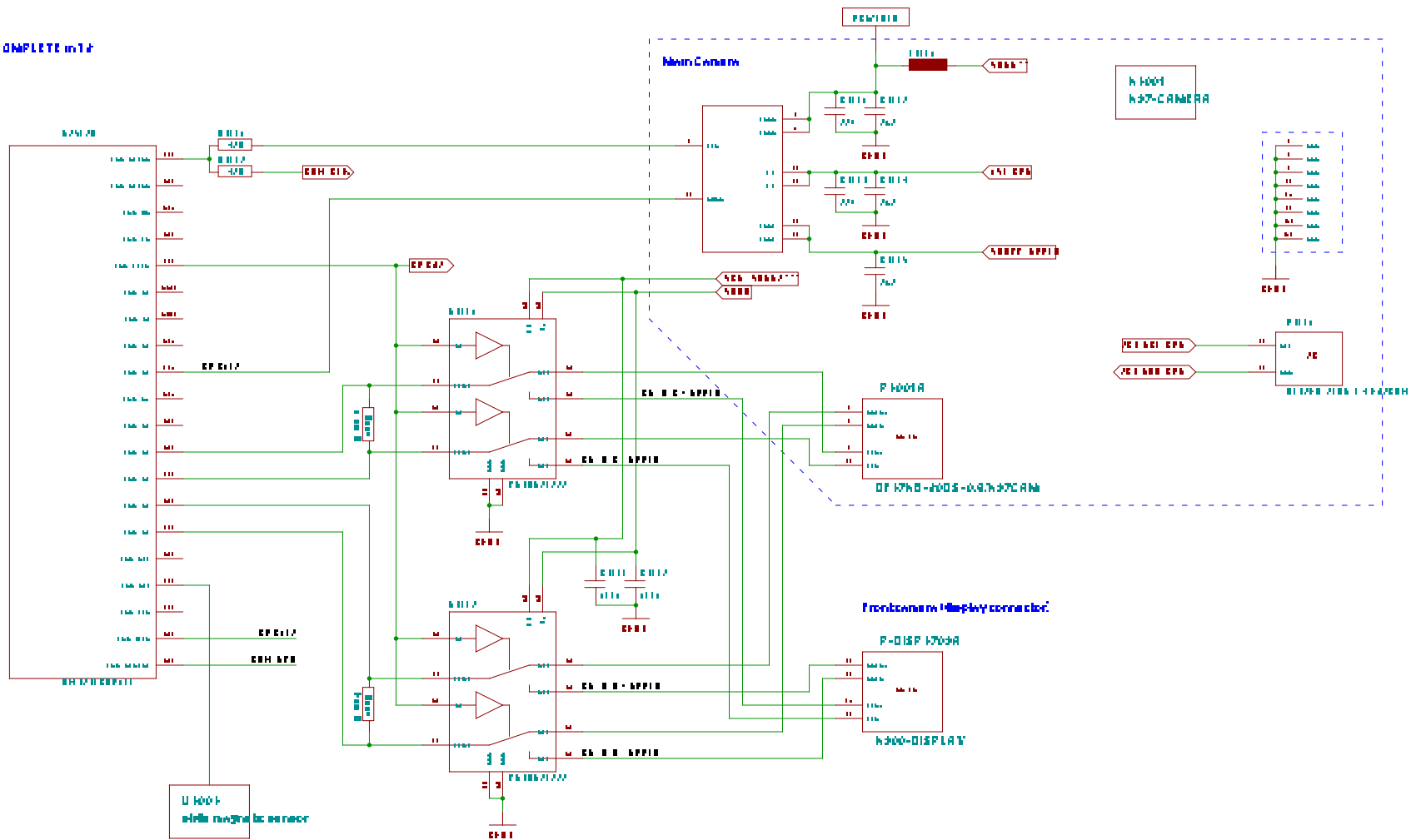
# TODO: VBUS-MODEM ?

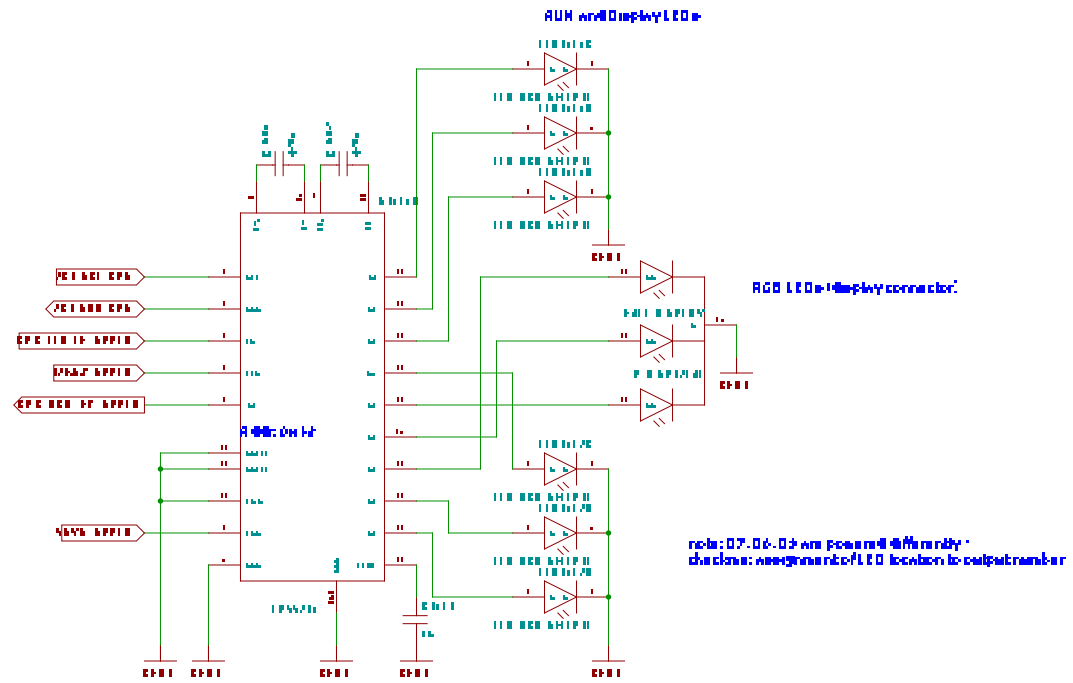


sample capture 900ms LDO for TP30340 evaluation  
only for prototype.

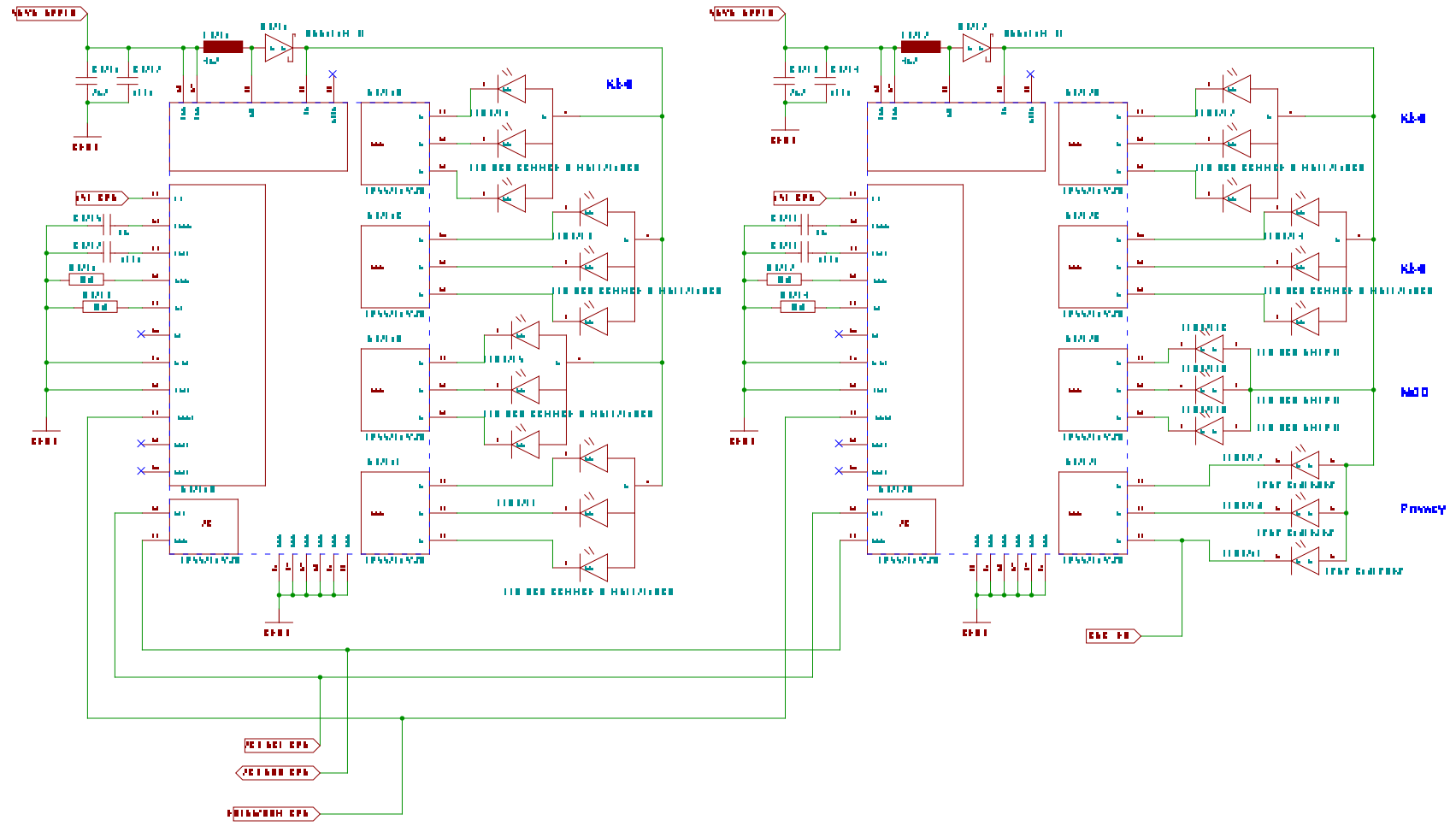


INCOMPLETE int





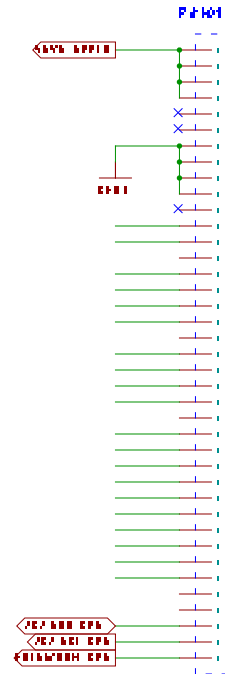




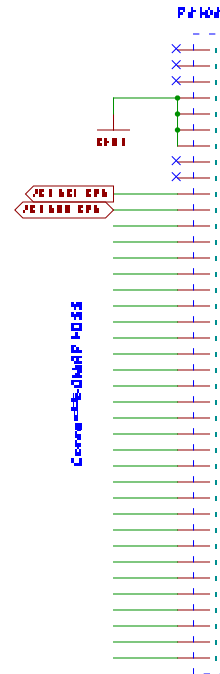
These connections allow to "simulate" the DM1710 by connecting a DB-HM

INCOMPLETE  
prototype only

Connects DM1710 MUXSP™, PC2-MIMIC\* - to some CP10\*

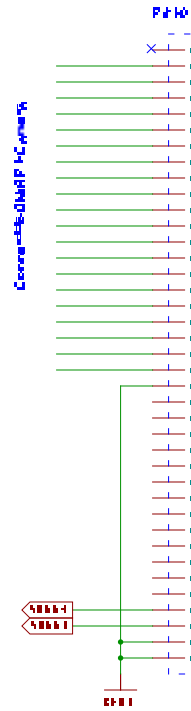


connect to respective CPU-swills

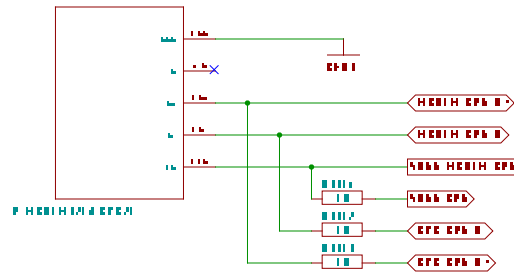


DBS - CP10 - PC1

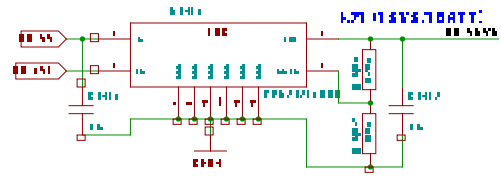
Connects DM1710 PC1 to PC2



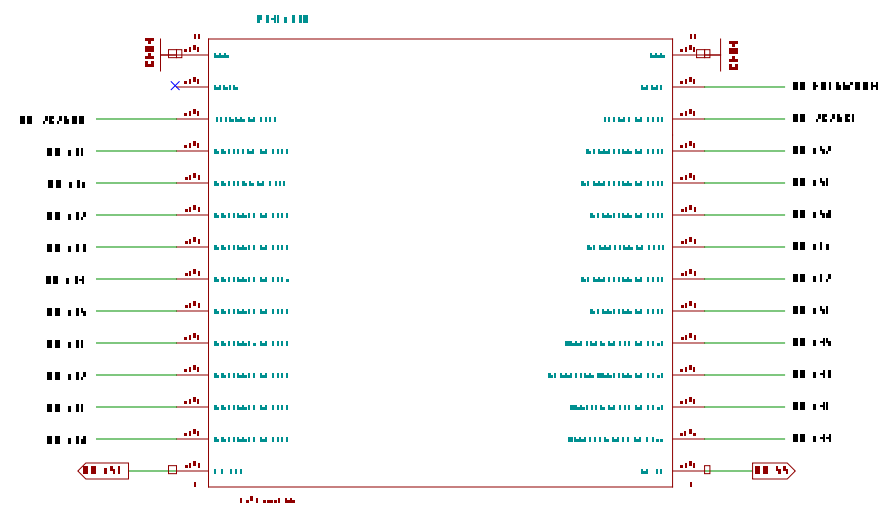
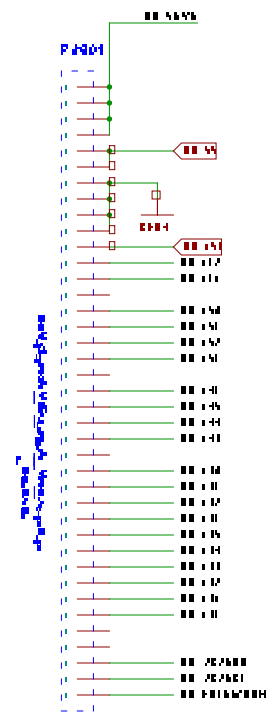
connect to DB  
by using Micro-USB cable



**TODO: VBUS-MODEM ?**

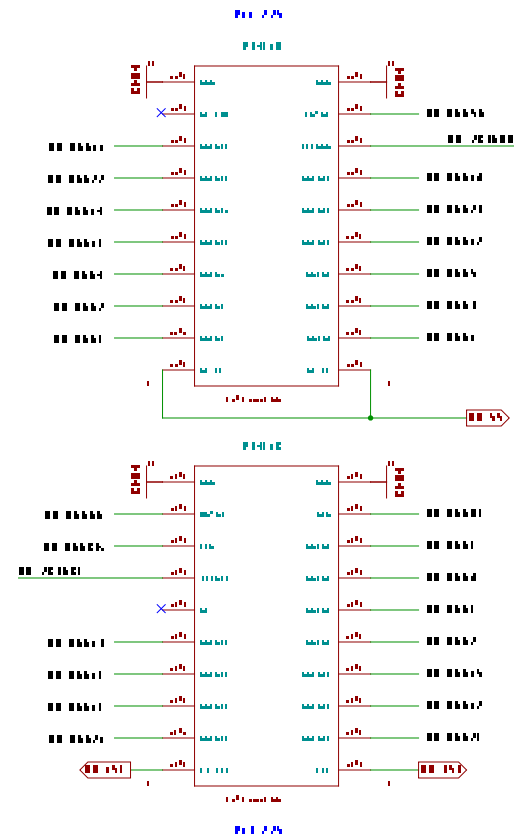
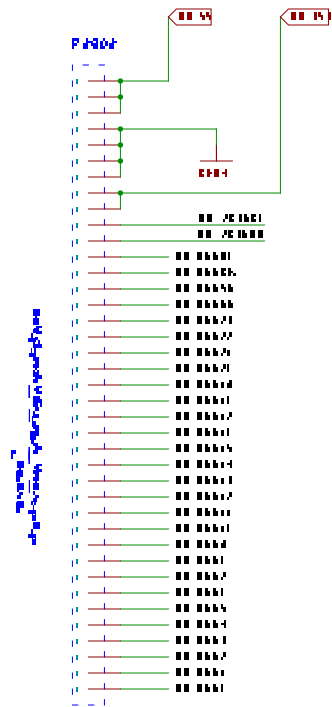


5V L7805C 5V back converter



5V L7805C 5V back converter

**TODO:** needs decision on where to take this



**TODO: needs decision on where to take this**



Note: Jump cable to connect BB-HM-A Register to Upper board

