Buttons
neo900_SS_1.sch

OTG
neo900_SS_2.sch

Charger/OTG-Booster
neo900_SS_3.sch

Modem Power
neo900_SS_4.sch

Fuel Gauge
neo900_SS_5.sch

3G/4G Modem + SIM
neo900_SS_6.sch

Dual SIM switch
neo900_SS_7.sch

Antenna connections
neo900_SS_8.sch

WLAN, Bluetooth, FM
neo900_SS_9.sch

Sensors
neo900_SS_10.sch

Audio Codec
neo900_SS_11.sch

Audio Headset + Mic
neo900_SS_12.sch

FCI
neo900_SS_13.sch

Audio Handsfree
neo900_SS_14.sch

Misc (lower)
neo900_SS_15.sch

RFID/NFC Reader
neo900_SS_16.sch

RFID/NFC Controller
neo900_SS_17.sch

Hackerbus
neo900_SS_18.sch

Infrared
neo900_SS_19.sch

B2B to UPPER
neo900_SS_20.sch

uSD Breakout Board
neo900_SS_21.sch

B2B to LOWER
neo900_SS_22.sch

Keypad
neo900_SS_23.sch

Display-Peripherals
neo900_SS_24.sch

Display-Panel&Power
neo900_SS_25.sch

CPU + PoP RAM/NAND
neo900_SS_26.sch

eMMC
neo900_SS_27.sch

PMU+Codec
neo900_SS_28.sch

BB-XM Dummy (TWL4030)
neo900_SS_29.sch

Camera
neo900_SS_30.sch

LEDs
neo900_SS_31.sch

Fancy LEDs
neo900_SS_32.sch

Connector to BB-XM
neo900_SS_33.sch

BB-XM Adapter (CPU)
neo900_SS_34.sch

BB-XM Adapter (DISP)
neo900_SS_35.sch

BB-XM Adapter (CAM)
neo900_SS_36.sch

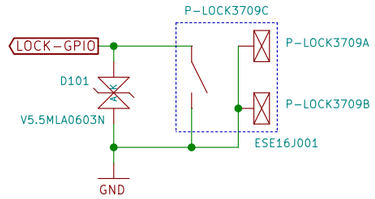
No-Solder Components
neo900_SS_37.sch

Sheet: /
File: neo900.sch

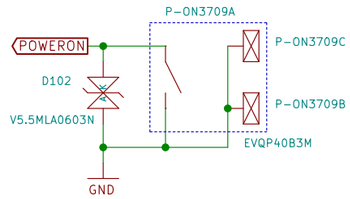
Title: Neo900

Size: A3	Date: 16 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 1/38

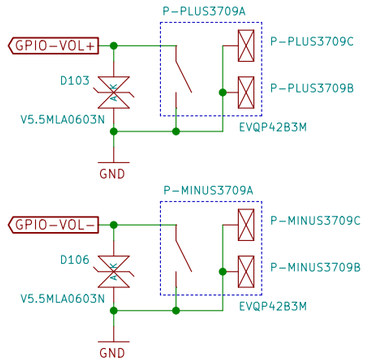
lock switch



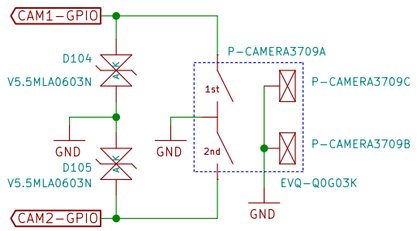
on-off



volume



camera trigger



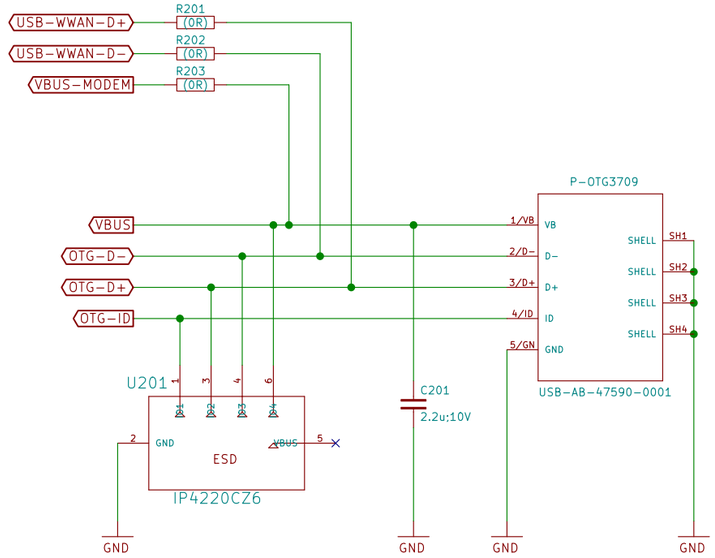
place in scan matrix? would need 3-4 wires to UPPER board instead of 2
No. VOL+ or VOL- can either be connected to GPIOs
or drive two FETs that sit in the keyboard matrix
in any case it is sufficient to connect GPIO-VOL+ and VOL- to two pins on the B2B connector

Sheet: /Buttons/
File: neo900_SS_1.sch

Title: Buttons

Size: A3	Date: 16 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 2/38

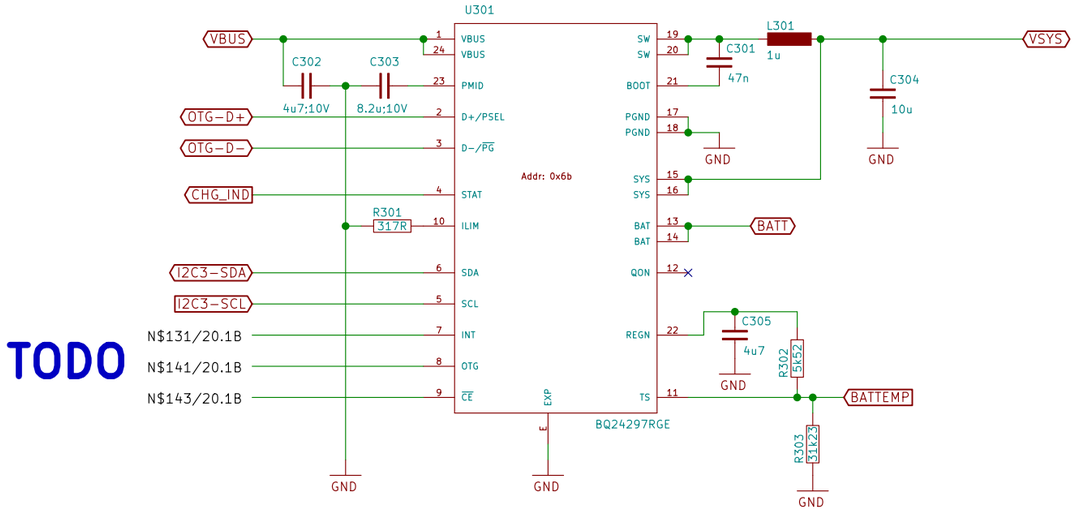
can be used to test/operate the modem through the OTG port (w/o UPPER PCB)



Sheet: /OTG/
File: neo900_SS_2.sch

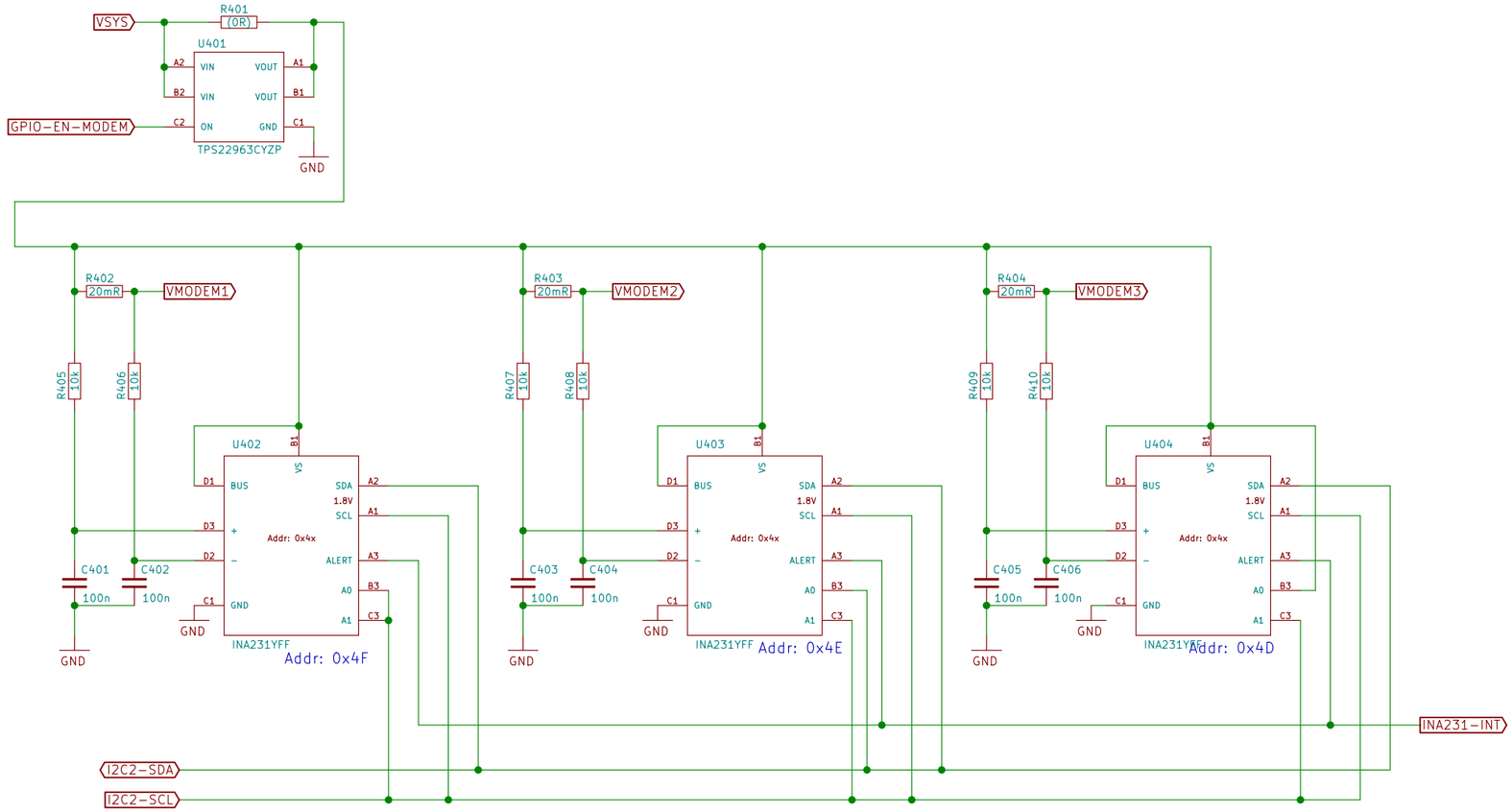
Title: OTG

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product	Id: 3/38	

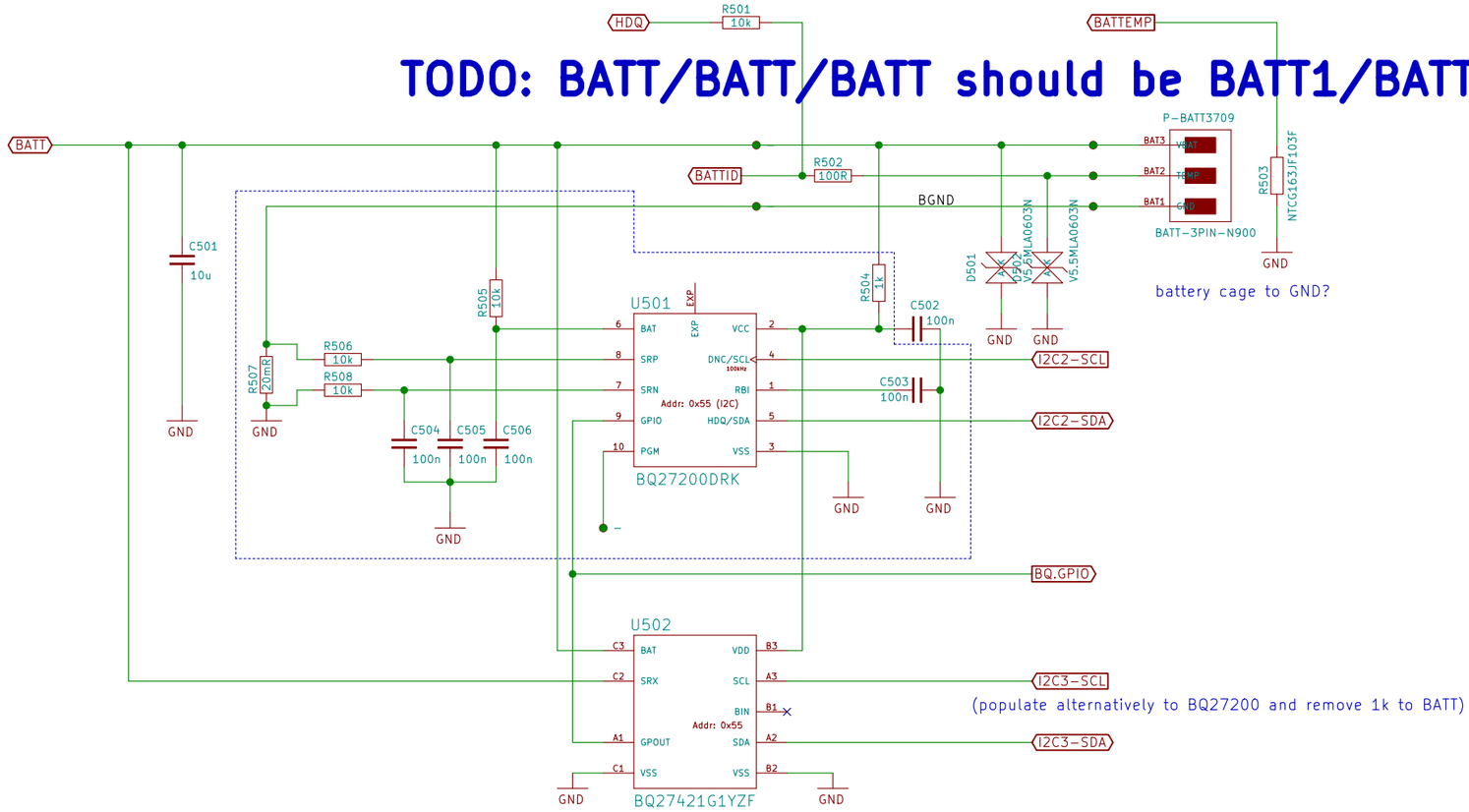


TODO

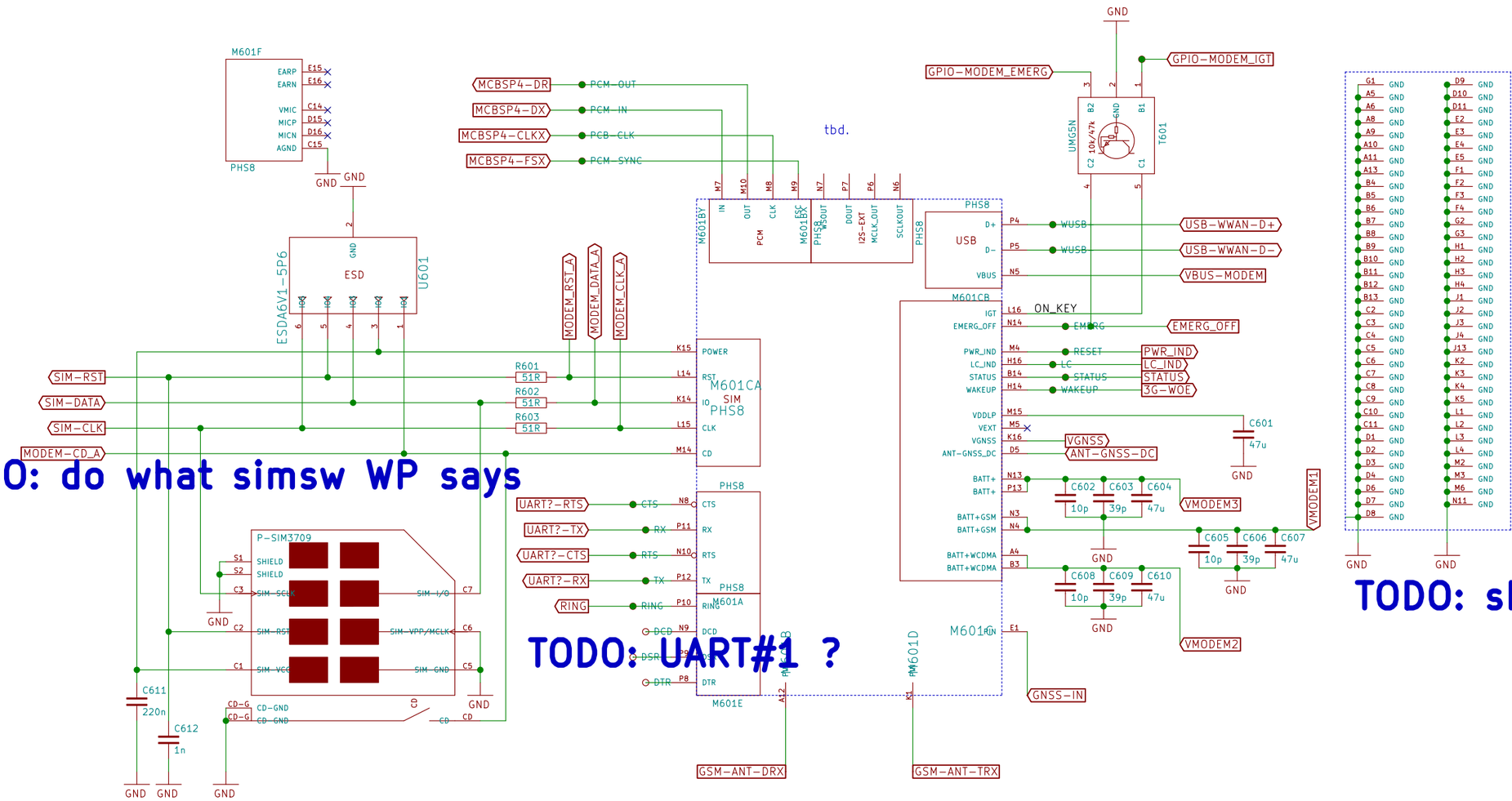
Sheet: /Charger/OTG-Booster/ File: neo900_SS_3.sch		
Title: Charger/OTG-Booster		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 4/38



Sheet: /Modem Power/ File: neo900_SS_4.sch		
Title: Modem Power		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 5/38



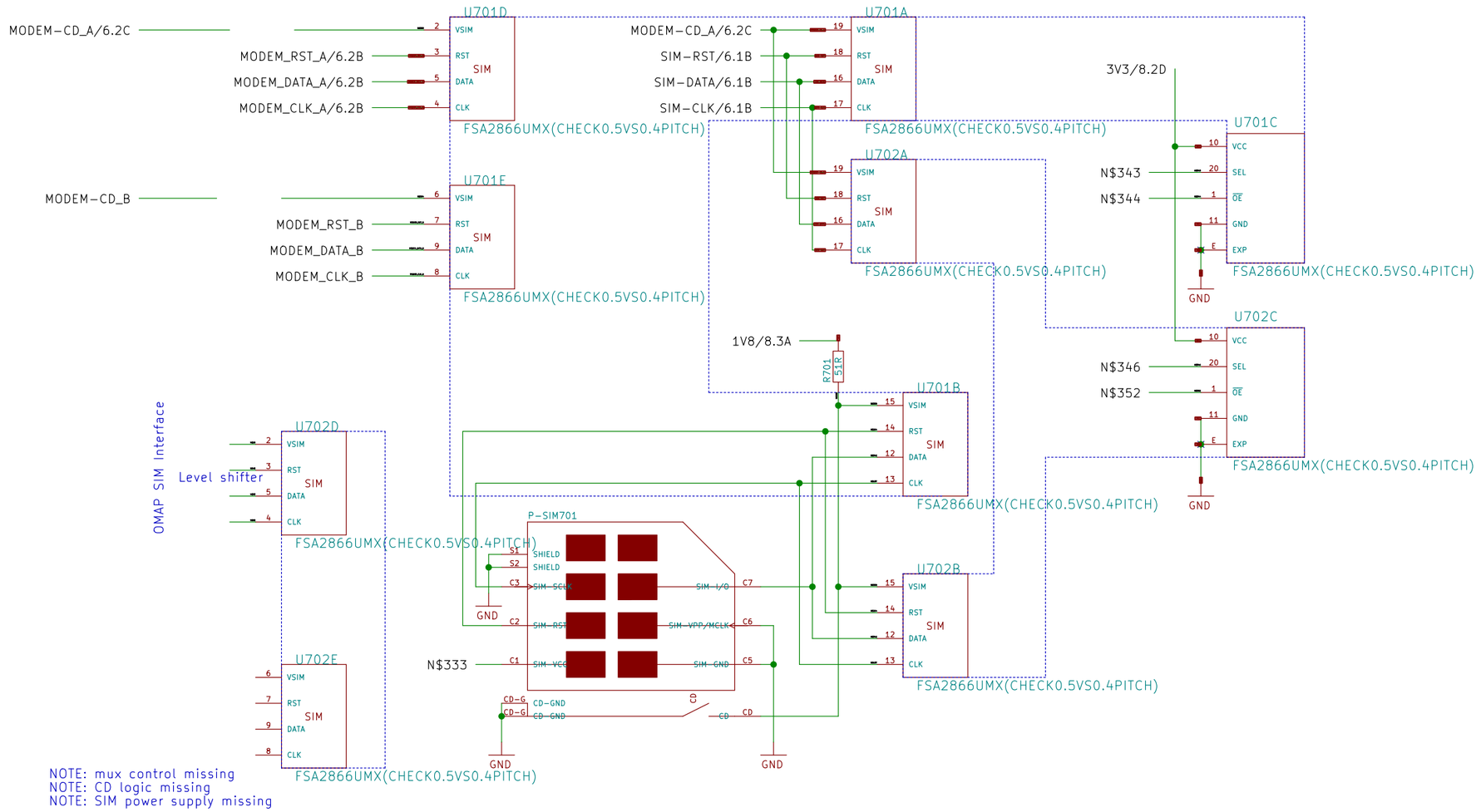
Sheet: /Fuel Gauge/ File: neo900_SS_5.sch		
Title: Fuel Gauge		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 6/38



Can we connect UART in parallel to Bluetooth UART (i.e. if BT is disabled we can unbrick the Modem?)

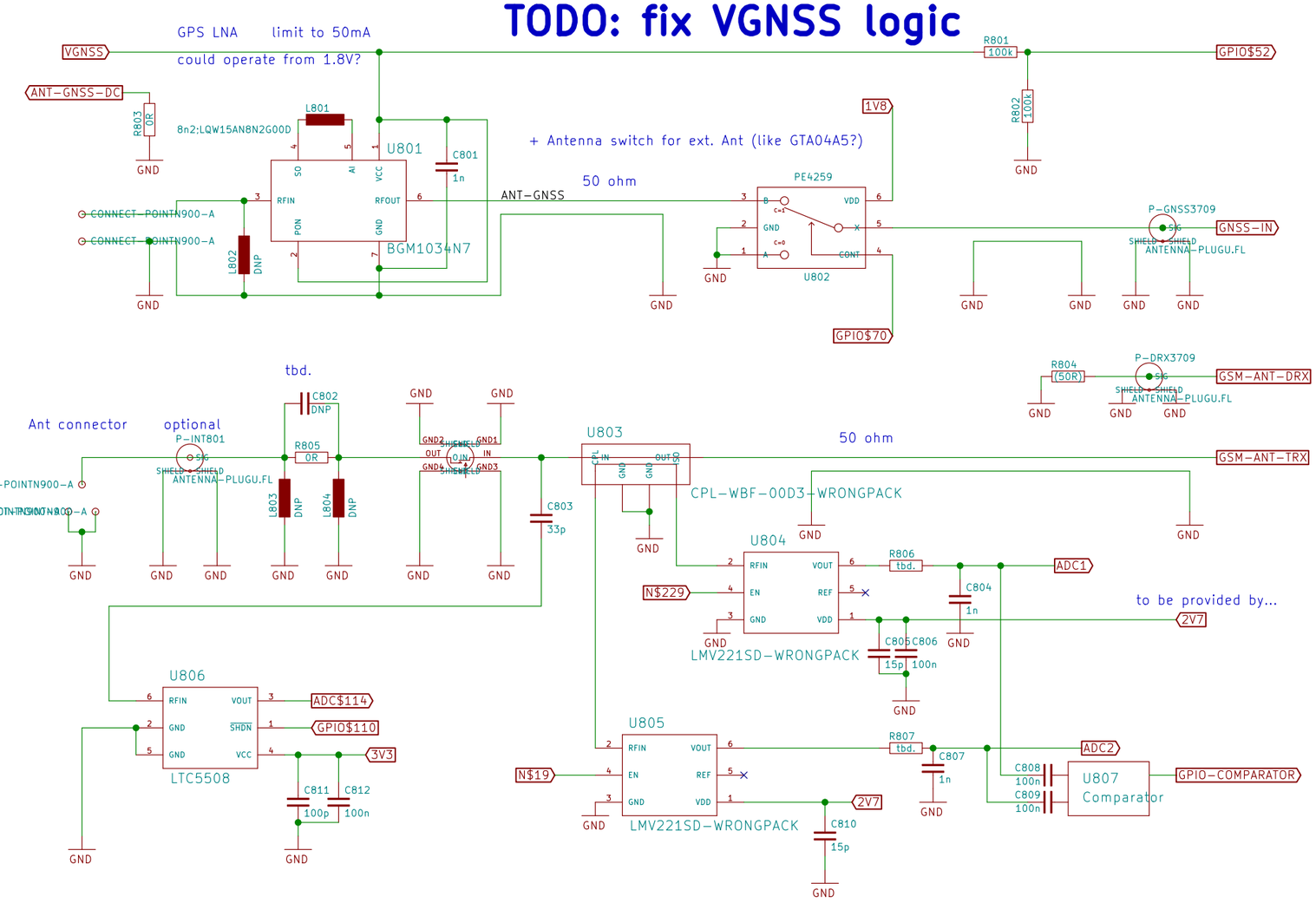
Sheet: /3G/4G Modem + SIM/ File: neo900_SS_6.sch		
Title: 3G/4G Modem + SIM		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 7/38

TODO: not cleaned up – needs total rewrite



Sheet: /Dual SIM switch/ File: neo900_SS_7.sch		
Title: Dual SIM switch		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 8/38

TODO: fix VGNSS logic



TODO: name all the *$*

Sheet: /Antenna connections/
File: neo900_SS_8.sch

Title: Antenna connections

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 9/38

WiLink8

M901BW

VBATT
1V8
WLAN-IRQ
32KHZ
WLAN-EN
BT-EN

VBATT 46 47
VIO 38
WLAN-IRQ 14
32KHZ 36
WLAN-EN 40
BT-EN 41
WL-UART-DBG 42
BT-UART-DBG 43
ANT1 32 — main antenna (at top of GTA04)
ANT2 18 — install C1101/2, L1102/4 according to antenna type

TODO: ANT2

WL1837MODGIMOC

secondary (on the side of GTA04)
could be 5.8GHz as well

GND

G25 M901O
G28 M901R
G31 M901U
G34 M901X
G26 M901P
G29 M901S
G32 M901V
G35 M901Y
G27 M901Q
G30 M901T
G33 M901W
G36 M901Z

1 M901AA
7 M901AB
9 M901AC
15 M901AD
16 M901AE
17 M901AF
19 M901AG
20 M901AH
23 M901AI
24 M901AJ
28 M901AK
29 M901AL
30 M901AM
31 M901AN
33 M901AO
34 M901AP
35 M901AQ
37 M901AR
39 M901AS
44 M901AT
45 M901AU
48 M901AV
49 M901AW
54 M901AX
55 M901AY
59 M901AZ
61 M901BA
63 M901BB

64 M901CA
G1 M901BC
G2 M901BD
G3 M901BE
G4 M901BF
G5 M901BG
G6 M901BH
G7 M901BI
G8 M901BJ
G9 M901BK
G10 M901BL
G11 M901BM
G12 M901BN
G13 M901C
G14 M901D
G15 M901E
G16 M901F
G17 M901G
G18 M901H
G19 M901I
G20 M901J
G21 M901K
G22 M901L
G23 M901M
G24 M901N

TODO: merge GND into one component ?

TODO: unfinished

BT-PCM-DX
BT-PCM-DR

WL1837MODGIMOC

M901A
FSC 58
CLK 60
OUT 57
IN 56
PCM

M901B
CTS 51
RX 53
RTS 50
TX 52

M901BO 27
M901BP 26
M901BQ 25
M901BR 3
M901BS 4
M901BT 2
M901BU 5

M901BV
CLK 8
CMD 6
DAT0 10
DAT1 11
DAT2 12
DAT3 13

WLAN-IRQ
WLAN-EN
BT-EN
GPIO175
KEYIRQ

FM-RX
C901 1n
filter 3-4 GHz
R904 2R
MLZ1608M100W
L901
LOOP+
LOOP
LOOP-
connect >10cm
loop or stub antenna
D901 V5.5MLA0603N
L902 120n

U902
FMI 2
RFGND 3
TXO 4
VIO 10
VDD 11
GND EXP
GND 12
LOUT/DFS 14
GPO3/DCLK 17
ROUT/DIN 13
RIN/DOUT 15
LIN/DFS 16
GPO2/INT 18
GPO1 19
RST 5
SEN 6
SCLK 7
SDIO 8
RCLK 9
SI4721BG

50 Ohm???
R901 2k2
R902 2k2
R903 2k2
R905 680R
R906 2k2

FM RX/TX
Address: 0x11

C902 100n
C903 100n

1V8
3V3
GND

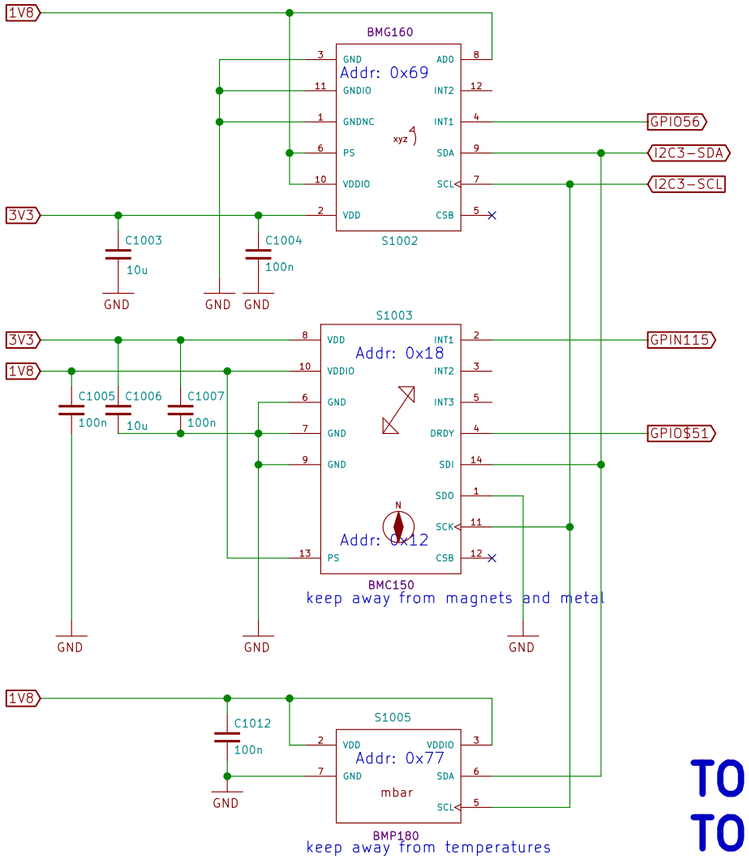
NRESWARM
I2C2-SCL
I2C2-SDA
32KHZ

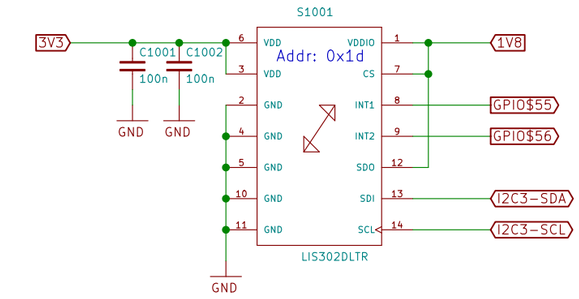
Si4705 is pin compatible (mostly) but RX-only

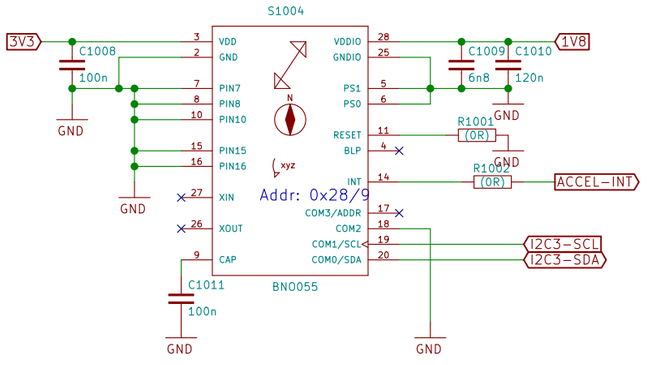
TODO: unfinished

FSX
CLKX
DX
DR
FSR
CLKR

Sheet: /WLAN, Bluetooth, FM/		
File: neo900_SS_9.sch		
Title: WLAN, Bluetooth, FM		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 10/38



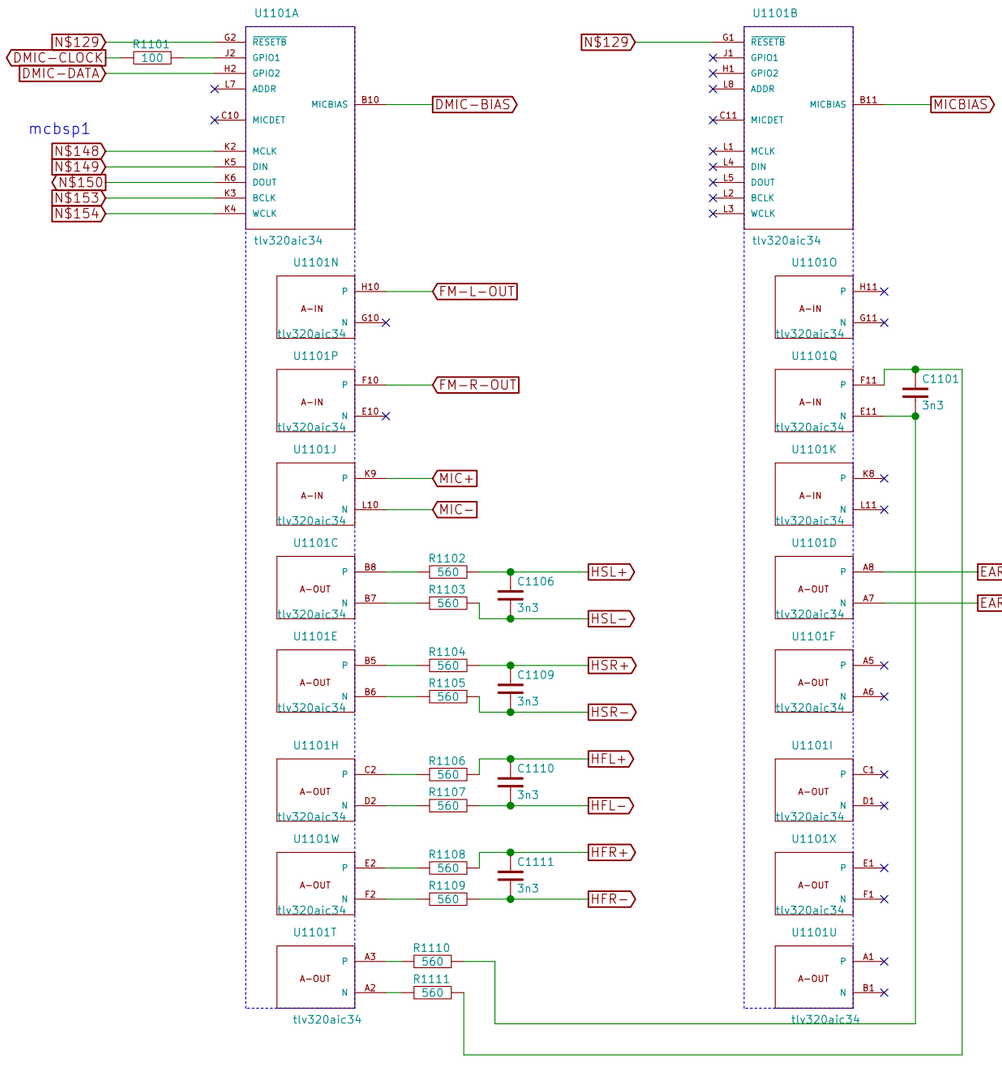




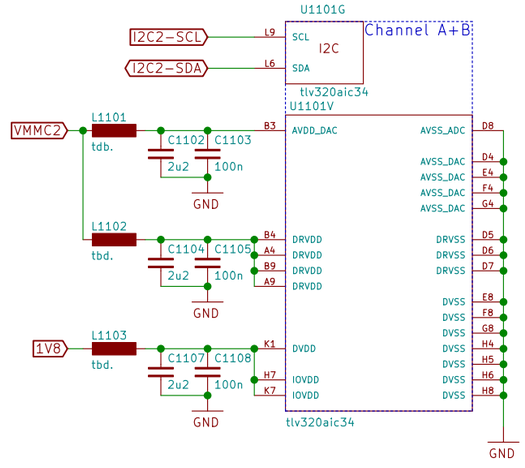
TODO: no BMG160, BMC150
TODO: BMP180 -> BME280
TODO: BNO055 -> BMX055
TODO: INT1/2 sharing

Sheet: /Sensors/ File: neo900_SS_10.sch		
Title: Sensors		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 11/38

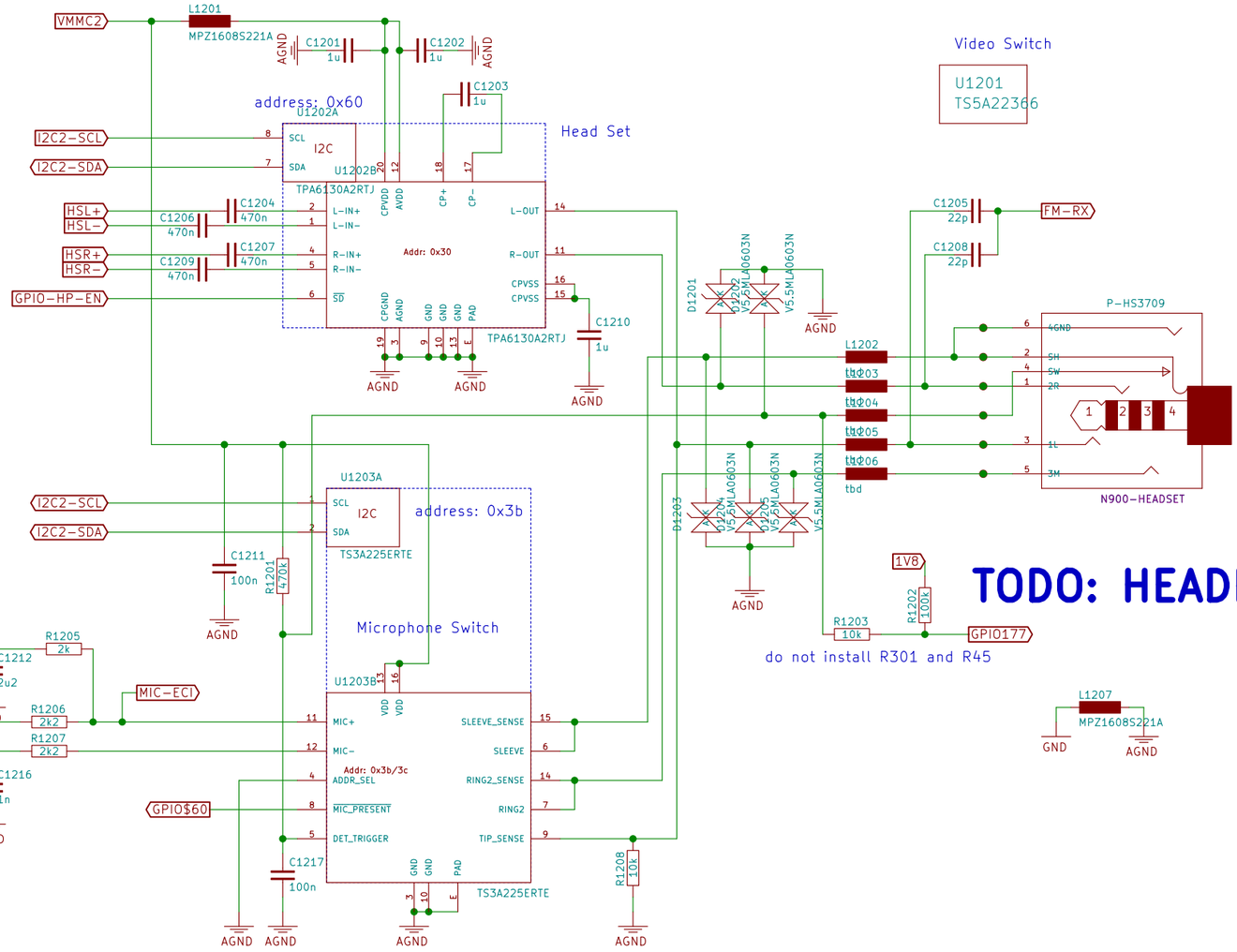
problem: this is a 0.5mm BGA making lower board expensive
but it appears to be not extremely critical (only 3 rows and inner ring is GND)
problem: analog mic is on upper board
alternative: place on upper board (to be evaluated)



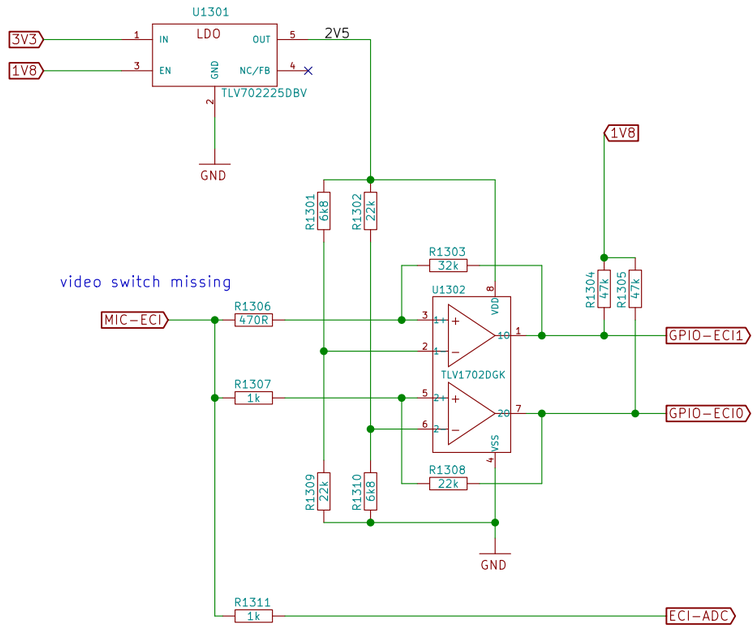
conflict with bmc150?
address: 0x18-0x1b



Sheet: /Audio Codec/ File: neo900_SS_11.sch		
Title: Audio Codec		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 12/38



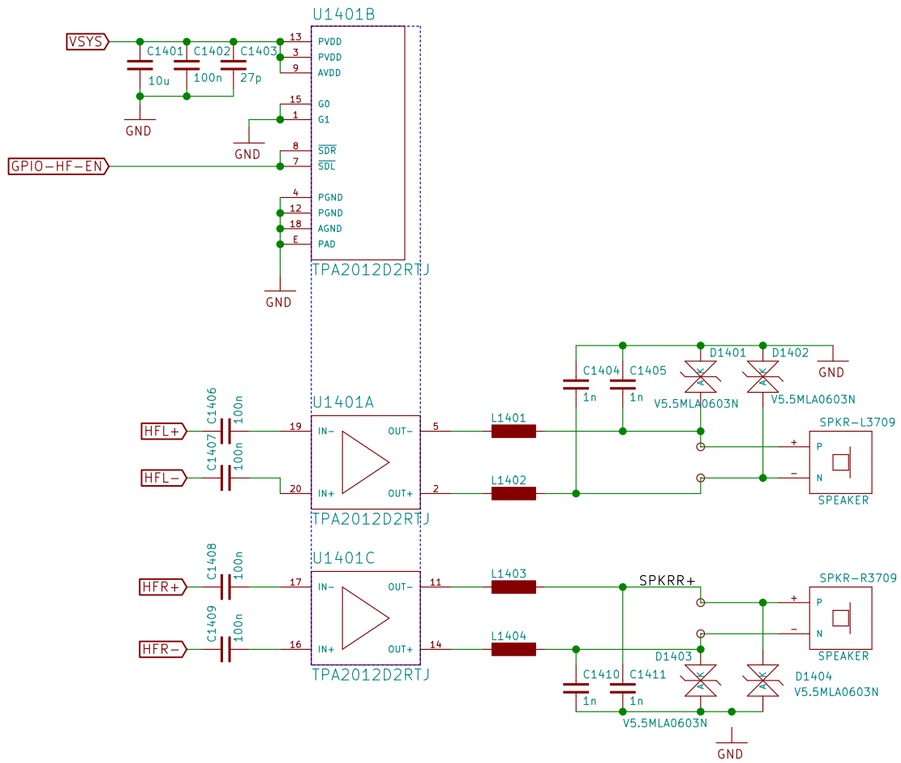
Sheet: /Audio Headset + Mic/ File: neo900_SS_12.sch		
Title: Audio Headset & Mic		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 13/38



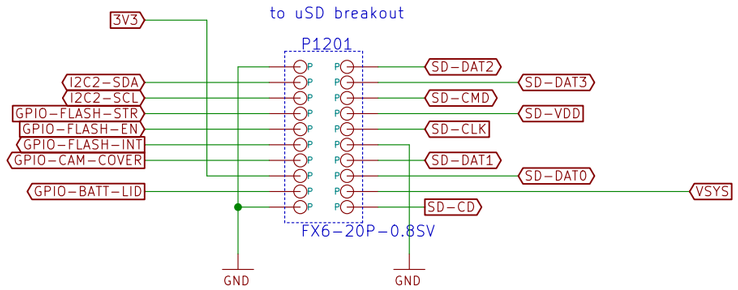
TODO: draw comparator right

Sheet: /ECI/		
File: neo900_SS_13.sch		
Title: ECI		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 14/38

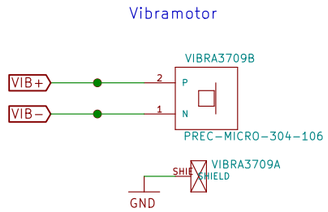
Hands Free

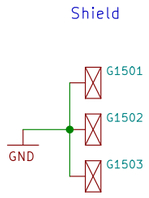


Sheet: /Audio Handsfree/		
File: neo900_SS_14.sch		
Title: Audio Handsfree		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 15/38

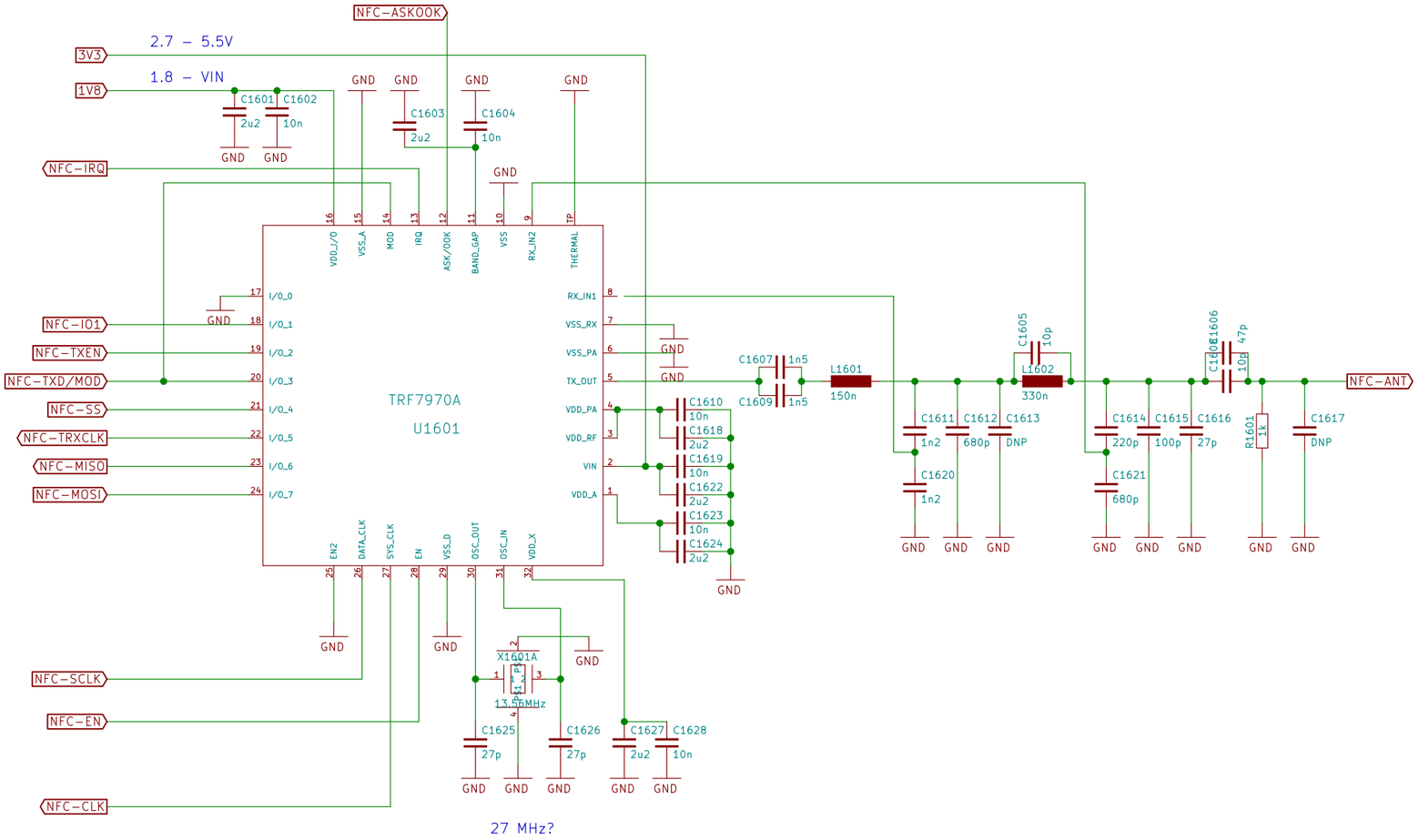


TODO: bogus connector (see HB WP)

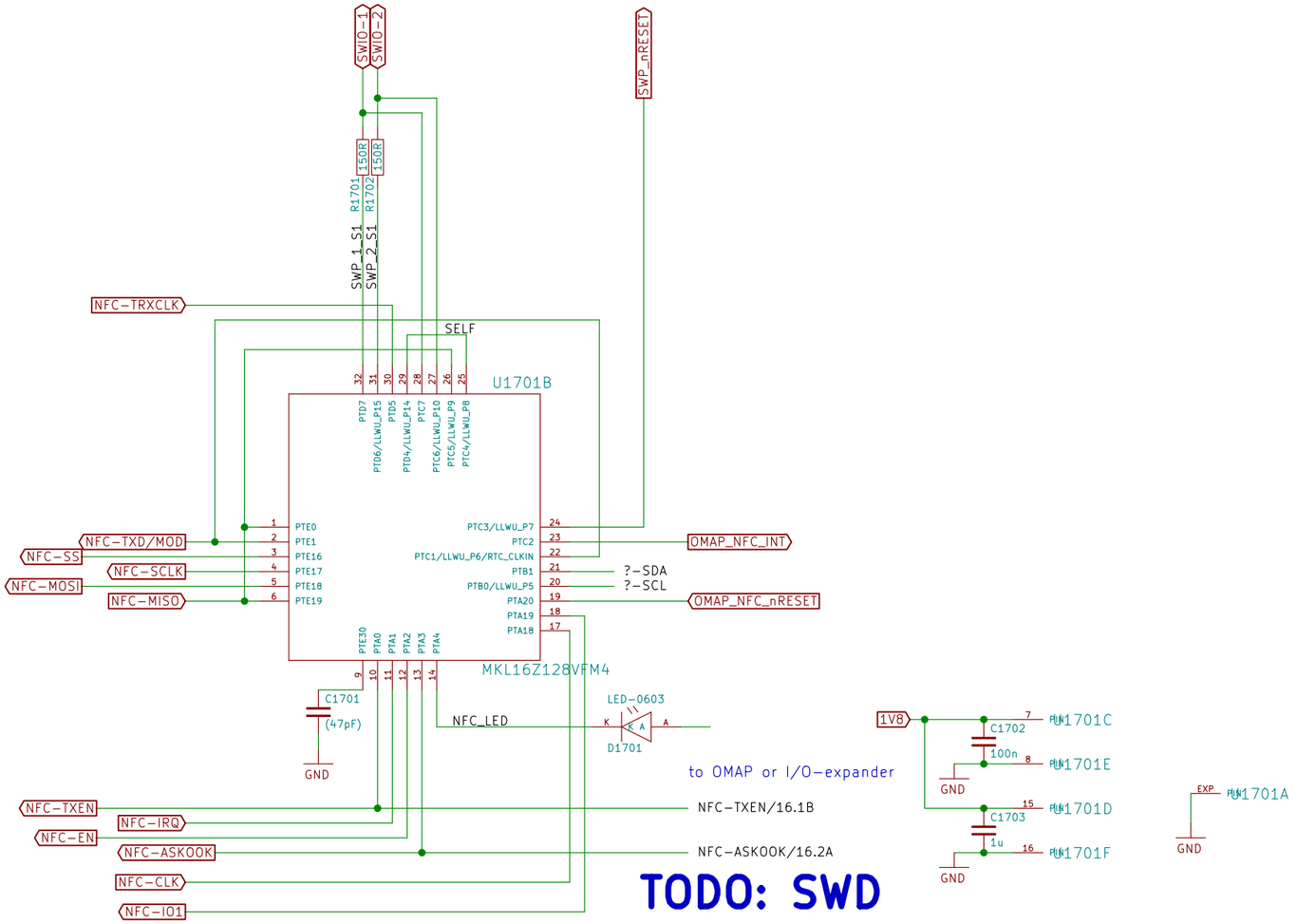




Sheet: /Misc (lower)/ File: neo900_SS_15.sch		
Title: Misc (lower)		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~~46~~ubuntu16.04.1-product		Id: 16/38



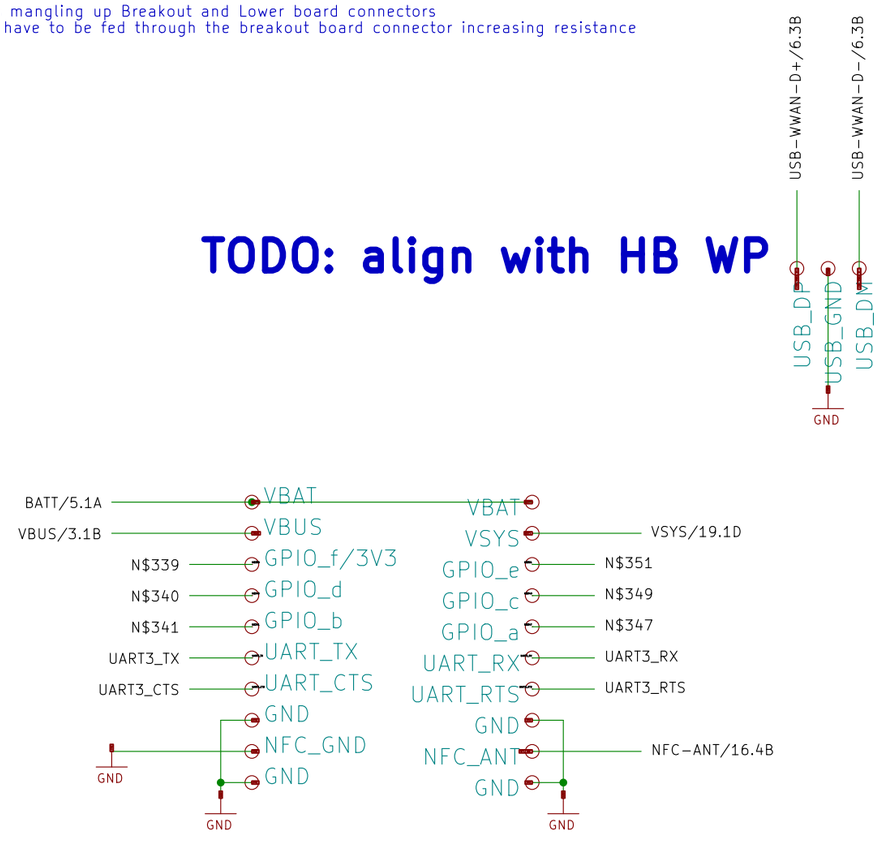
Sheet: /RFID/NFC Reader/ File: neo900_SS_16.sch		
Title: RFID/NFC Reader		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 17/38



Sheet: /RFID/NFC Controller/ File: neo900_SS_17.sch		
Title: RFID/NFC Controller		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 18/38

NOTE: this is mangling up Breakout and Lower board connectors
Signals may have to be fed through the breakout board connector increasing resistance

TODO: align with HB WP

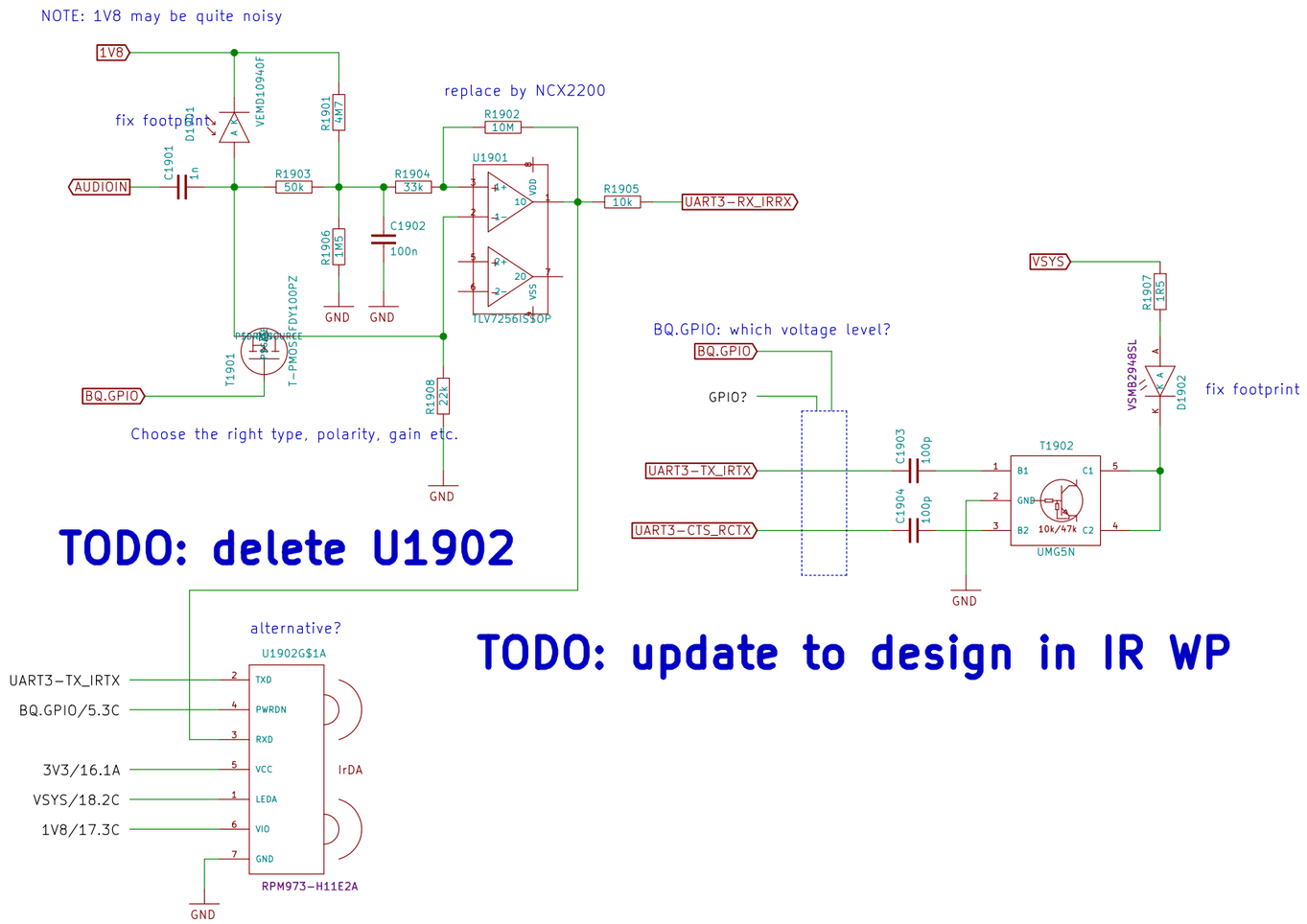


Missing 10 level shifter chip (or do we really have the space for 10x discrete T+R+D ca. 3x3mm each?)

Missing 6x 2R for alternate function select (do we have the space for ca. 2.5 x 5mm?)

TODO: align with HB WP

Sheet: /Hackerbus/ File: neo900_SS_18.sch		
Title: Hackerbus		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 19/38



Sheet: /Infrared/ File: neo900_SS_19.sch		
Title: Infrared		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 20/38

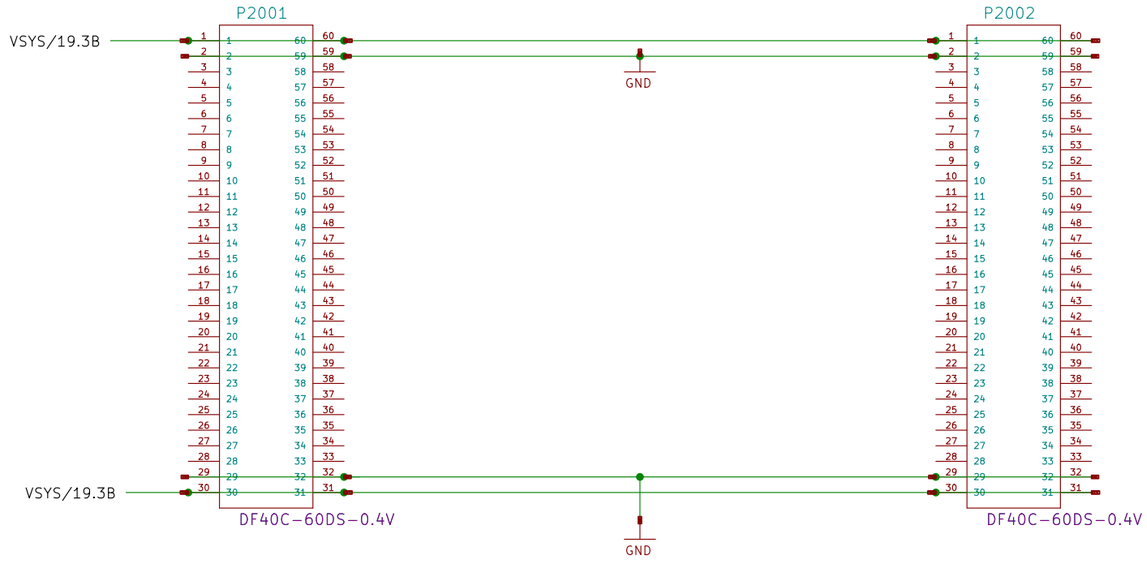
TODO: update when details settle

ca. 130 signals (to be counted exactly after definition of upper/lower split)

LOCK-GPIO/1.2A
POWERON/1.3A
GPIO-VOL+/1.2B
GPIO-VOL-/1.2B
CAM1-GPIO/1.3B
CAM2-GPIO/1.3C
I2C3-SDA/10.4C
I2C3-SCL/10.4C
CHG_IND/3.1B
N$131/3.1C
N$141/3.1C
N$143/3.1C
BATTEMP/5.4A
GPIO-EN-MODEM/4.1A
I2C2-SDA/15.1A
I2C2-SCL/15.1A
INA231-INT/4.4C
HDQ/5.2A
GPIO$70/8.3B
GPIO$110/8.1D
N$19/8.2D
N$229/8.3C
ADC$114/8.1C
ADC1/8.4C
ADC2/8.4C
GPIO-COMPARATOR/8.4D
MCBSP4-DR/6.2A
MCBSP4-DX/6.2A
MCBSP4-CLKX/6.2A
MCBSP4-FSX/6.2A
UART?-RTS/6.2C
UART?-CTS/6.2C
UART?-RX/6.2C
UART?-TX/6.2C
RING/6.2C
GPIO-MODEM_IGT/6.3A
GPIO-MODEM_EMERG/6.3A
EMERG_OFF/6.3B
PWR_IND/6.3B
LC_IND/6.3B
STATUS/6.3B
3G-WOE/6.3B
GPIO$52/8.4A
GPIO-WLAN-EN/9.1A
MMC3-CLK/9.1A
MMC3-CMD/9.1A
MMC3-DATA0/9.1A

MMC3-DATA1/9.1A
MMC3-DATA2/9.1A
MMC3-DATA3/9.1A
GPIO-WLAN-IRQ/9.1A
GPIO-BT-EN/9.1C
UART1-RX/9.1C
UART1-RTS/9.1C
UART1-CTS/9.1D
UART1-TX/9.1D
MCBSP3-FCK/9.1D
MCBSP3-CLK/9.1D
MCBSP3-DR/9.1D
MCBSP3-DX/9.1D
SYSCLK/9.3C
32KHZ/9.4A
GPIO-FM-EN/9.3A
GPIO-FMIRQ/9.3A
MCBSP2-FCK/9.3A
MCBSP2-CLK/9.3A
MCBSP2-DR/9.3A
MCBSP2-DX/9.3A
GPIN115/10.3B
GPIO56/10.3A
GPIO$51/10.3B
GPIO$55/10.4A
GPIO$56/10.4A
ACCEL-INT/10.4C
N$129/11.2A
N$148/11.1A
N$149/11.1A
N$150/11.1A
N$153/11.1A
N$154/11.1A
GPIO-ECI1/13.3B
GPIO-ECI0/13.3C
ECI-ADC/13.3C
VMMC2/12.1A
GPIO-HP-EN/12.1B
GPIO$60/12.2D
GPIO177/12.4C
GPIO-HF-EN/14.1B
GPIO-FLASH-STR/15.1A
GPIO-FLASH-EN/15.1A
GPIO-FLASH-INT/15.1A
GPIO-BATT-LID/15.1B
SD-CMD/15.2A
SD-CLK/15.2A
SD-CD/15.2B
SD-VDD/15.2A
SD-DAT0/15.2B
SD-DAT1/15.2B
SD-DAT2/15.2A
SD-DAT3/15.2A
VIB+/15.1D
VIB-/15.1D
3V3/19.1D
2V5/13.3B
1V8/19.1D
VBUS/18.1C
OTG-D-/3.1B
OTG-D+/3.1B
OTG-ID/2.2B
VBUS-MODEM/6.3B
USB-WWAN-D+/18.3A
USB-WWAN-D-/18.3A
2V7/8.4C
GPIO-CAM-COVER/15.1B
N$38

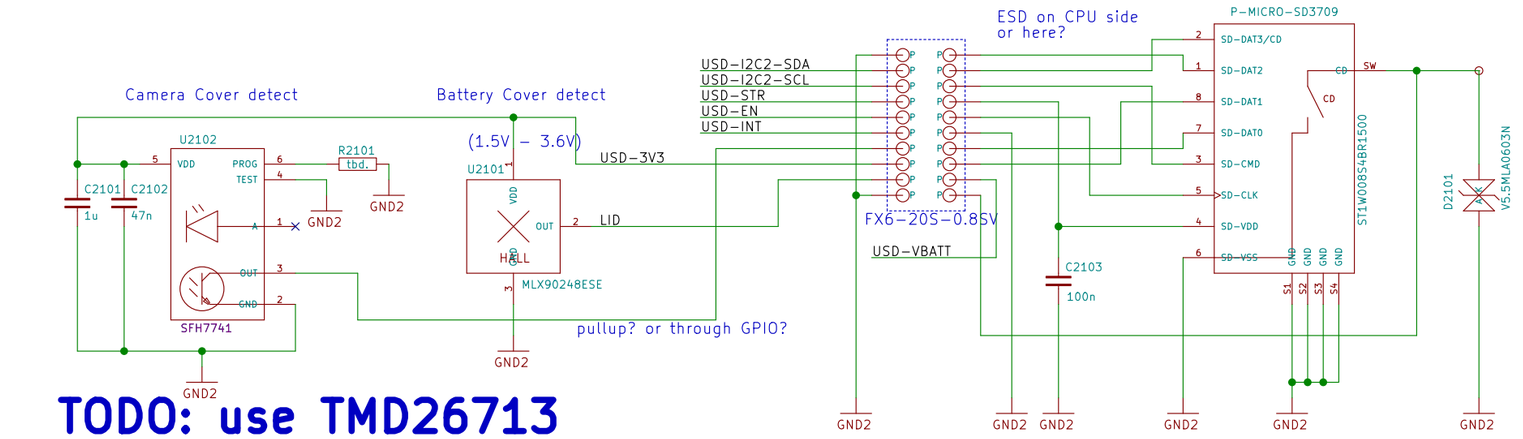
Pin assignment musr be optimized for final component placement
we might have to switch to 80 or 100 pin connectors



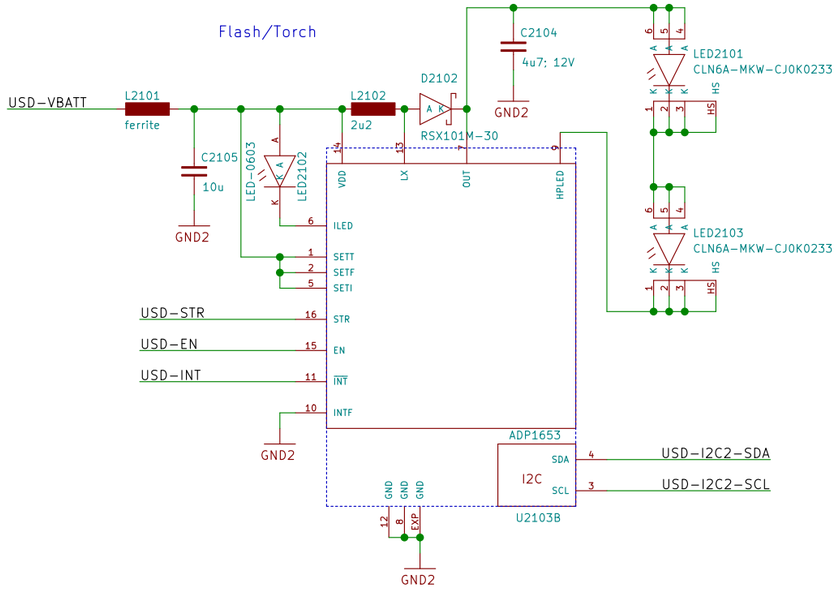
Sheet: /B2B to UPPER/
File: neo900_SS_20.sch

Title: B2B to UPPER

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 21/38



TODO: use TMD26713

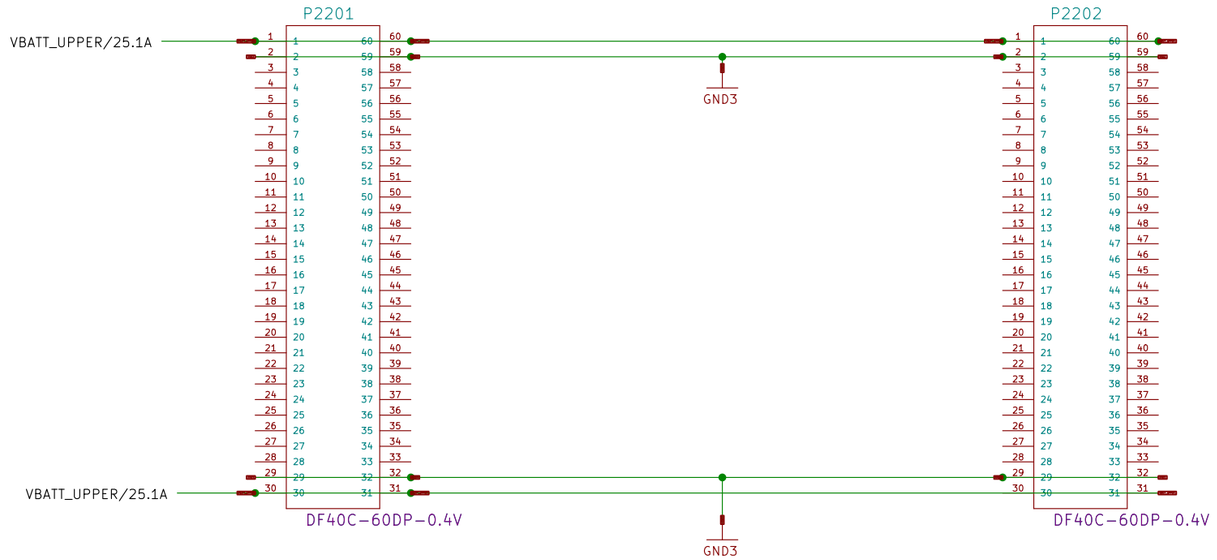


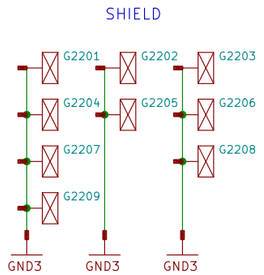
TODO: flash controller is now on LOWER, not BOB

Sheet: /uSD Breakout Board/ File: neo900_SS_21.sch		
Title: uSD Breakout Board		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 22/38

TODO: track B2B to UPPER

to be adjusted to lower board connector



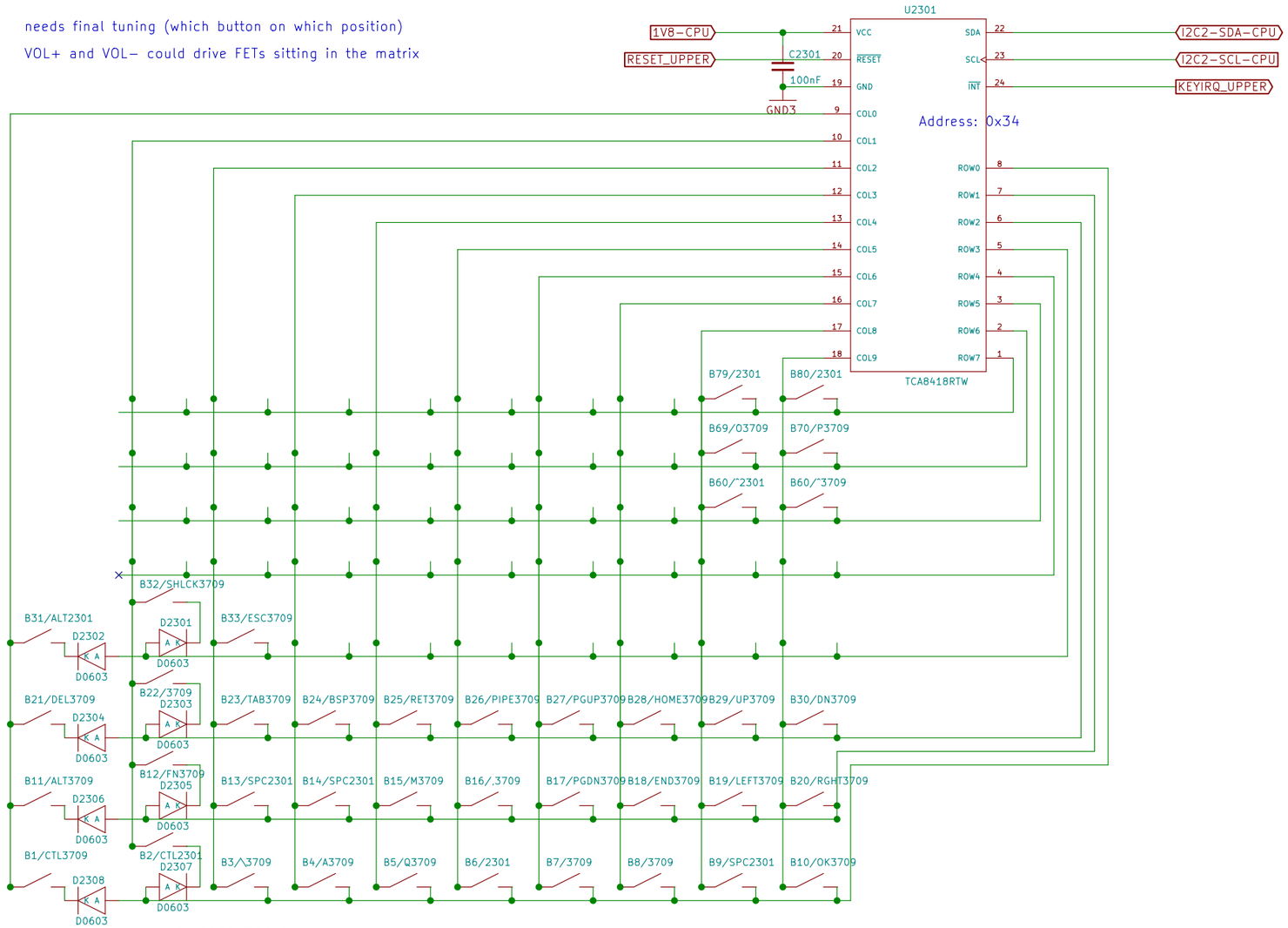


Sheet: /B2B to LOWER/ File: neo900_SS_22.sch		
Title: B2B to LOWER		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 23/38

TODO: *_UPPER names ?

needs final tuning (which button on which position)

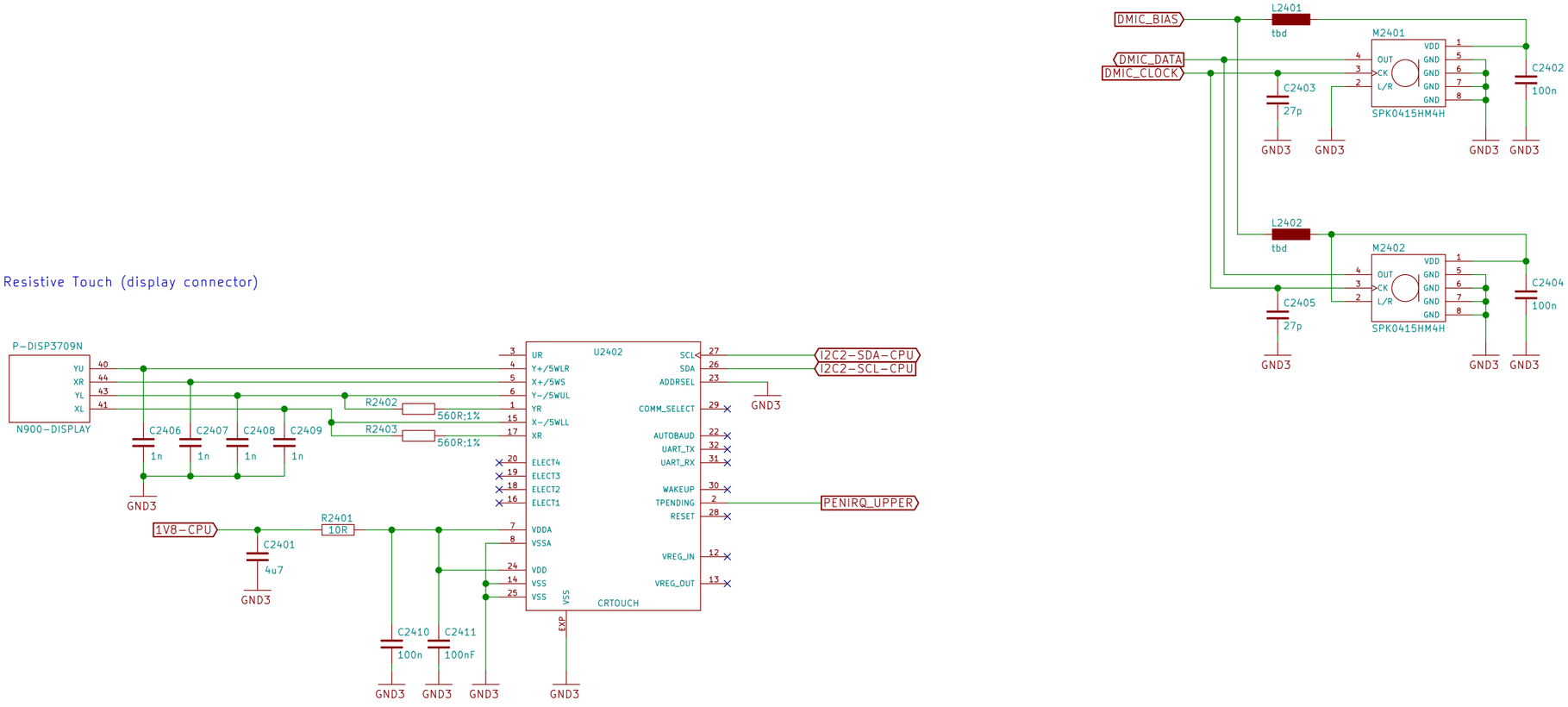
VOL+ and VOL− could drive FETs sitting in the matrix



replace by 2x RB521ZS8A30 for space constraints

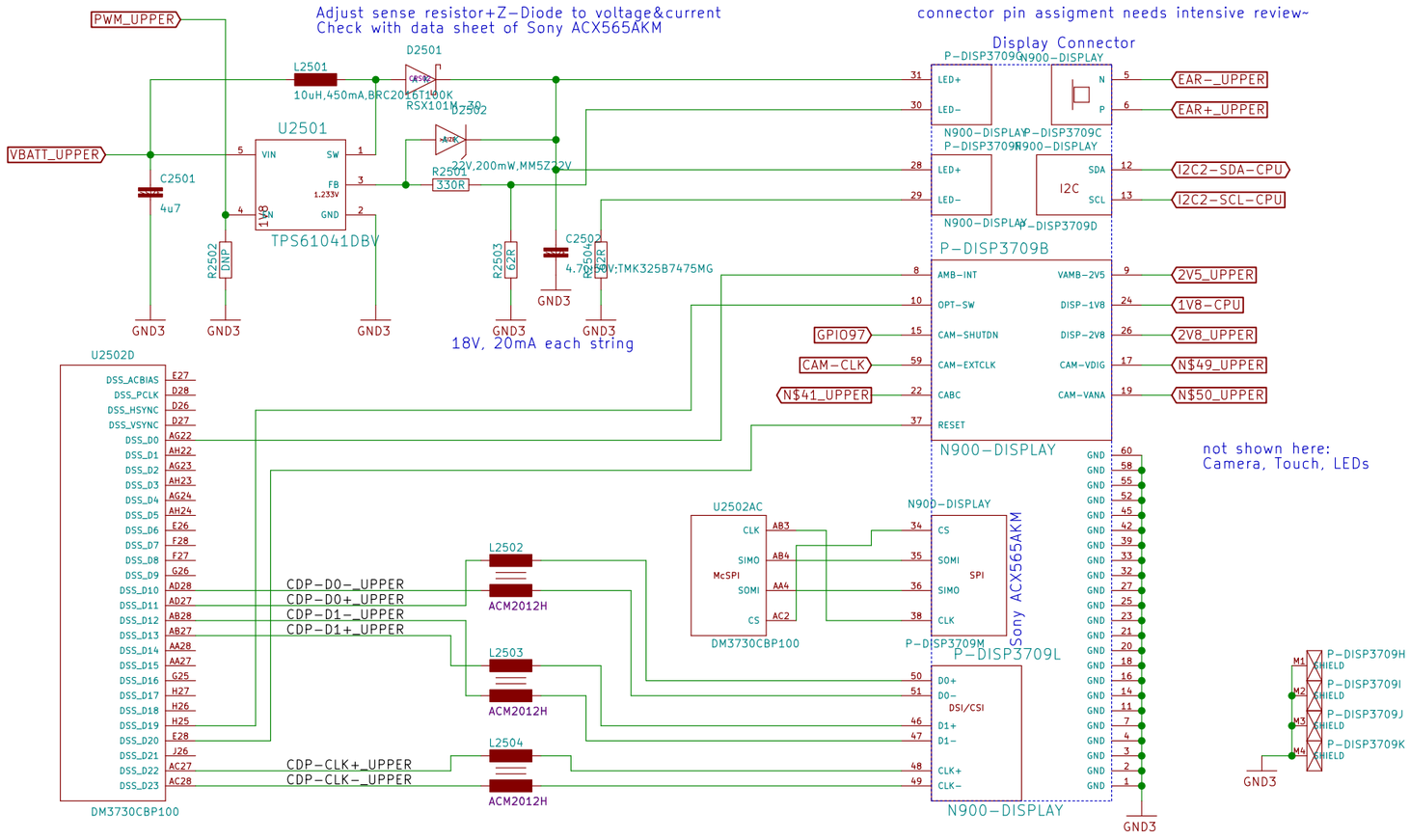
TODO: remove 3709 in comp ref
TODO: remove keycap from comp ref
TODO: sort out 6 "ext" buttons
TODO: rearrange matrix to avoid diodes ?

Sheet: /Keypad/		
File: neo900_SS_23.sch		
Title: Keypad		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 24/38



(c) CC-BY-SA 2014-2016 Neo900 & GDC

Sheet: /Display-Peripherals/ File: neo900_SS_24.sch		
Title: Display-Peripherals		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 25/38

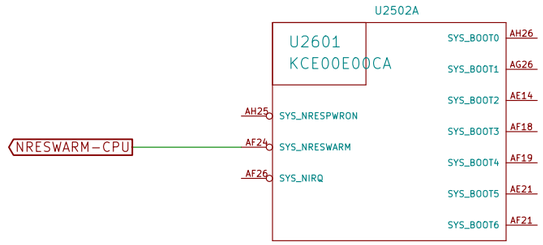


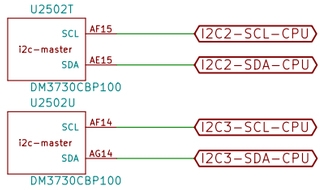
Sheet: /Display-Panel&Power/
File: neo900_SS_25.sch

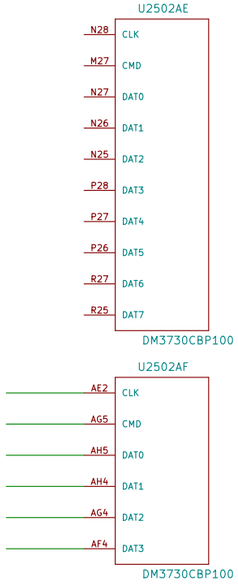
Title: Display-Panel&Power

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 26/38

INCOMPLETE in V2





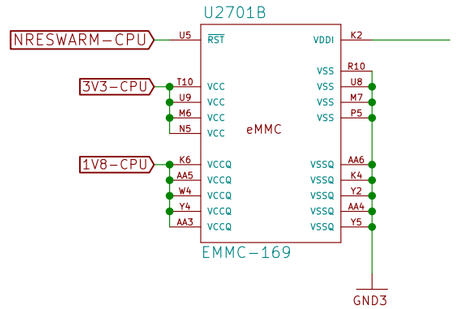


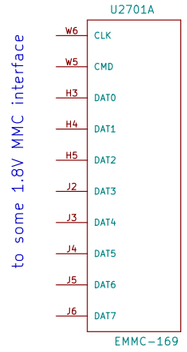
Sheet: /CPU + PoP RAM/NAND/
File: neo900_SS_26.sch

Title: CPU + PoP RAM/NAND

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 27/38

INCOMPLETE in V2





Sheet: /eMMC/
File: neo900_SS_27.sch

Title: eMMC

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product	Id: 28/38	

TODO: check role

INCOMPLETE in V2

R2801
(0R)

VSYS_UPPER

U2801
LTC3355

should drive TPS65950

VBAT(->TPS65950)_UPPER

C2801
tbd

GND3

U2803H

C8 IO.1P8
H4 ADCIN0
J3 ADCIN1
G3 ADCIN2
J9 STARTADC
N16 VREF
N15 AGND
A2 RFID.EN
GPIO13/LEDSYNC G11
LEDA/VIBRA.P F15
LEDB/VIBRA.M G15
LEDGND F16
NC B14
MSECURE H8

TPS65950

U2802

A2 REFCLK
A3 STP
A4 DIR
B5 NXT
B4 DATA0
C5 DATA1
C4 DATA2
D5 DATA3
D4 DATA4
E5 DATA5
E4 DATA6
D3 DATA7
B2 RESETB
A5 CLKOUT
VBAT C1
VBUS C2
DM D1
DP E1
ID B1
SPK_L E3
SPK_R E2
VDD3.3 D2
VDD1.8 B3
RBIAS A1
GND C3

USB3322

this goes through B2B to modem

VBUS-MODEM-CPU

MODEM-CPU-D-

MODEM-CPU-D+

needs a small charge pump to generate 5V 50mA.

TODO: VBUS-MODEM ?

U2803J

L15 UCLK
L14 STP
L13 DIR
M13 NXT
K14 DATA0/TX
K13 DATA1/RX
J14 DATA2/RTSI
J13 DATA3/CTS0
G14 DATA4
G13 DATA5
F14 DATA6
F13 DATA7
VBUS R8
DN/UART3.TXD T11
DP/UART3.RXD T10
ID R11

TPS65950

this goes through B2B to OTG socket

VBUS-CPU

OTG-CPU-D-

OTG-CPU-D+

OTG-CPU-ID

U2803B

N1 BCIAUTO
VAC N5
PCHGAC N4
PCHGUSB N6
ICTLAC1 N7
ICTLAC2 P2
ICTLUSB1 P6
ICTLUSB2 P1
VPRECH N2
VCCS P5
VBATS P4
VBAT R5

TPS65950

U2803C

P16 32KXIN
P15 32KXOUT
A14 HFCLKIN
C6 CLKEN
D7 CLKEN2
32KCLKOUT N10
HFCLKOUT R12
CLKREQ G10
CLK256FS D13
BKBAT M14

TPS65950

C2802
PAS3225P3R3113

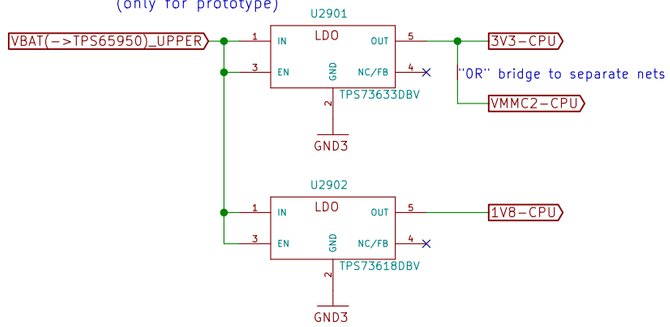
GND3

Sheet: /PMU+Codec/
File: neo900_SS_28.sch

Title: PMU+Codec

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 29/38

simple capless 400mA LDO for TPS65950 substitute
(only for prototype)



Sheet: /BB-XM Dummy (TWL4030)/ File: neo900_SS_29.sch		
Title: BB-XM Dummy (TWL4030)		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 30/38

INCOMPLETE in V2

Main Camera

U2502B

DM3730CBP100

R3001 47R

R3002 47R

CAM-CLK

GPIO97

GPIO102

GPIO167

CAM-STR

L3001

VAUX??

C3001 27p

C3002 2u2

GND3

1V8-CPU

C3003 27p

C3004 2u2

VBATT_UPPER

C3005 2u2

VCSI=VAUX2???

VDDA

U3001

TS3DS26227

R3003 100R

C3006 100n

C3007 100n

CSI-B-C+_UPPER

CSI-B-C-_UPPER

U3002

TS3DS26227

R3004 100R

CSI-B-D+_UPPER

CSI-B-D-_UPPER

U3003
slide magnetic sensor

P3001A

DF37NB-20DS-0.4/N97CAM

N3001
N97-CAMERA

P3001I

I2C

I2C3-SCL-CPU

I2C3-SDA-CPU

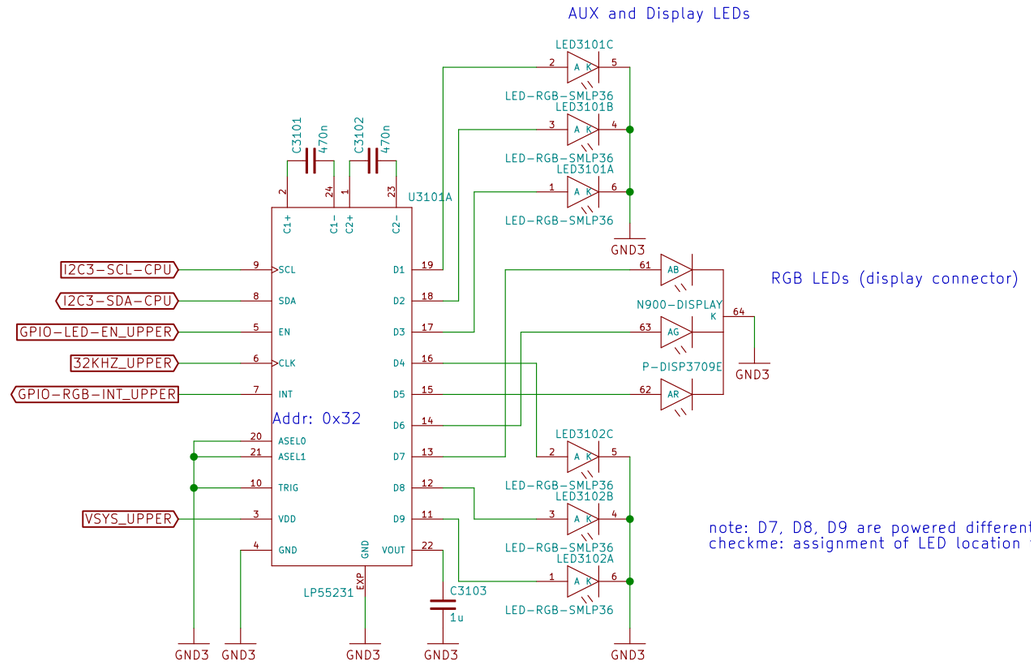
DF37NB-20DS-0.4/N97CAM

Front camera (display connector)

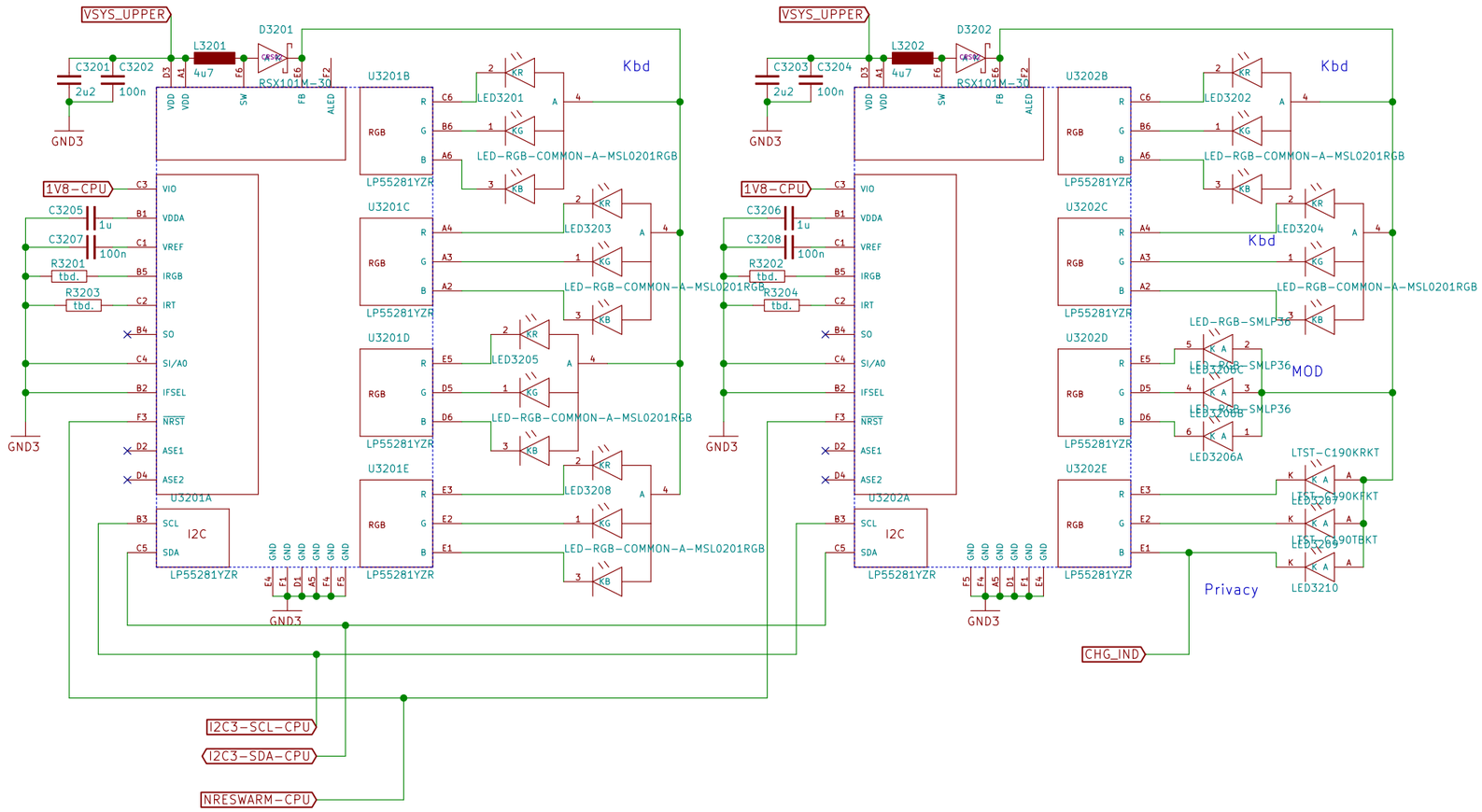
P-DISP3709A

N900-DISPLAY

Sheet: /Camera/	
File: neo900_SS_30.sch	
Title: Camera	
Size: A3	Date: 17 JUL 2016
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product	Rev: Id: 31/38



Sheet: /LEDs/ File: neo900_SS_31.sch		
Title: LEDs		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 32/38



Sheet: /Fancy LEDs/
File: neo900_SS_32.sch

Title: Fancy LEDs

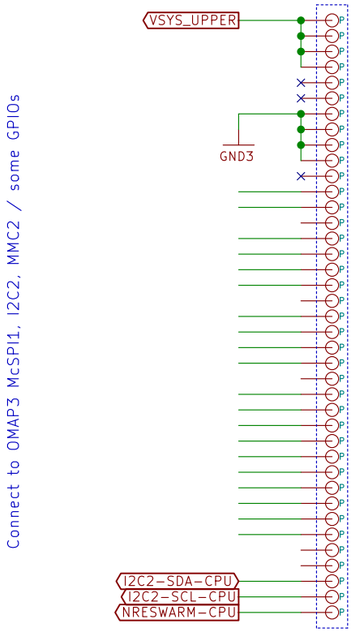
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 33/38

These connectors allow to "emulate" the DM3730 by connecting a BB-XM

INCOMPLETE
prototype only

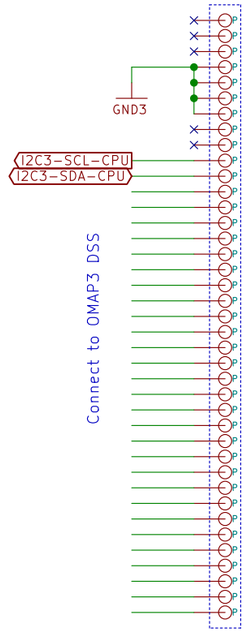
connect to respective CPU-pads

P2301



Connect to OMAP3 McSPI1, I2C2, MMC2 / some GPIOs

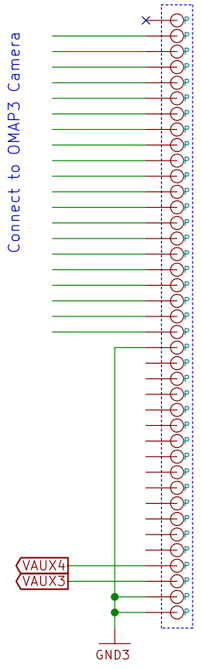
P2302



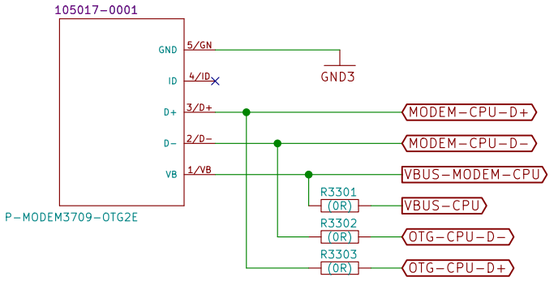
Connect to OMAP3 DSS

DSS / GPIOs, I2C3

P2303



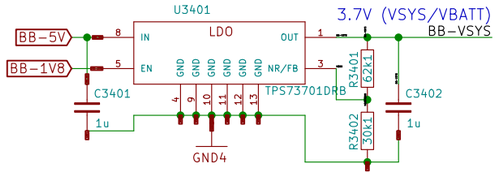
Connect to OMAP3 Camera



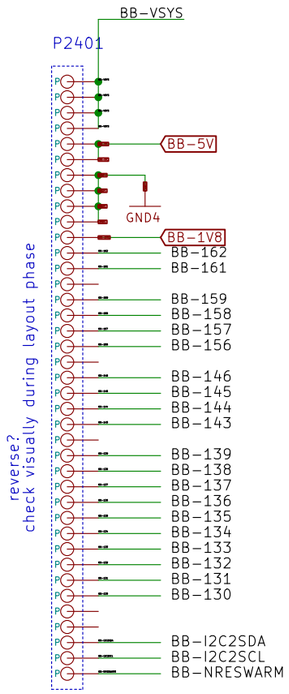
connect to BB
by some Micro-USB cable

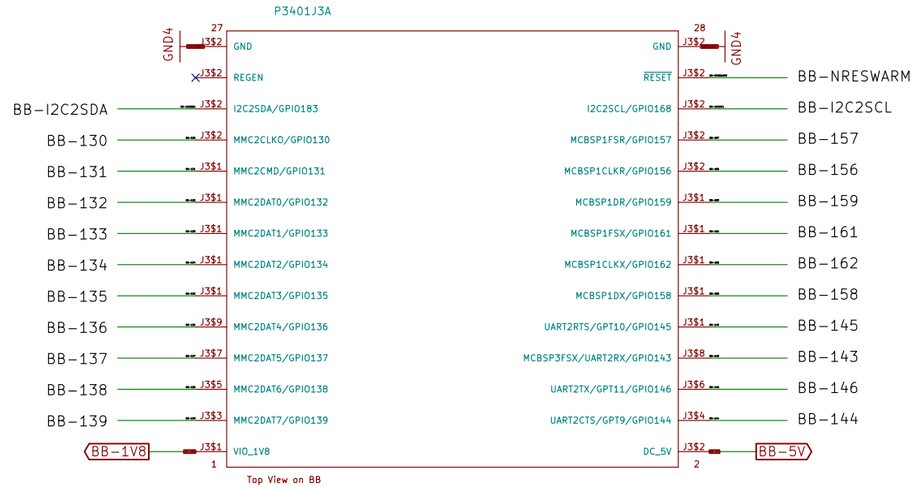
TODO: VBUS-MODEM ?

Sheet: /Connector to BB-XM/ File: neo900_SS_33.sch		
Title: Connector to BB-XM		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 34/38



Ersetzen durch 2A buck converter





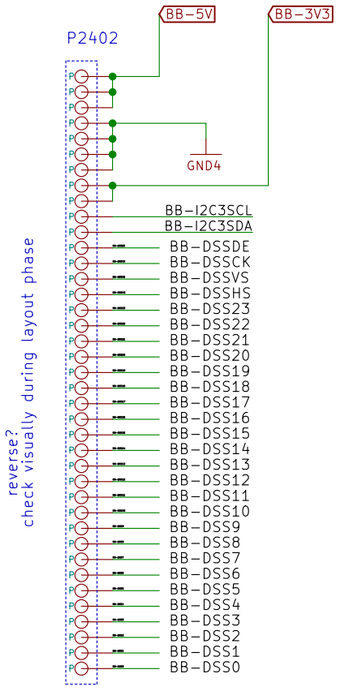
BB-xM Main Expansion Header (7.24)

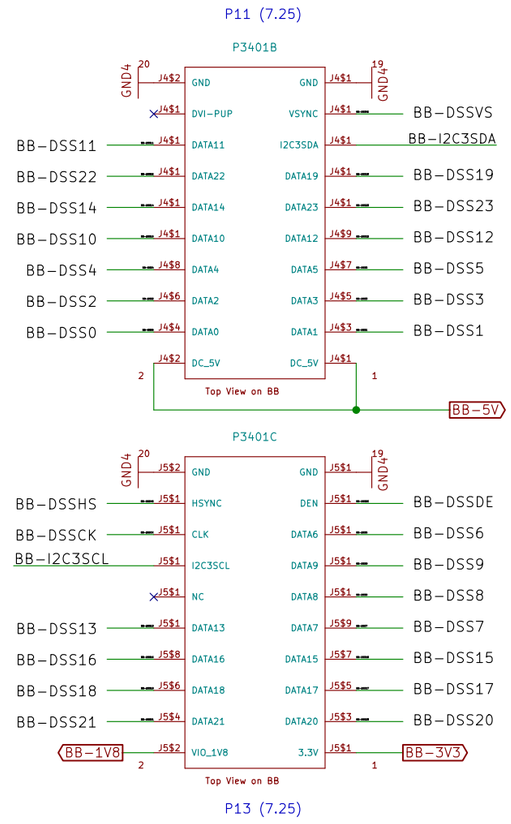
TODO: needs decision on where to take this

Sheet: /BB-XM Adapter (CPU)/
File: neo900_SS_34.sch

Title: BB-XM Adapter (CPU)

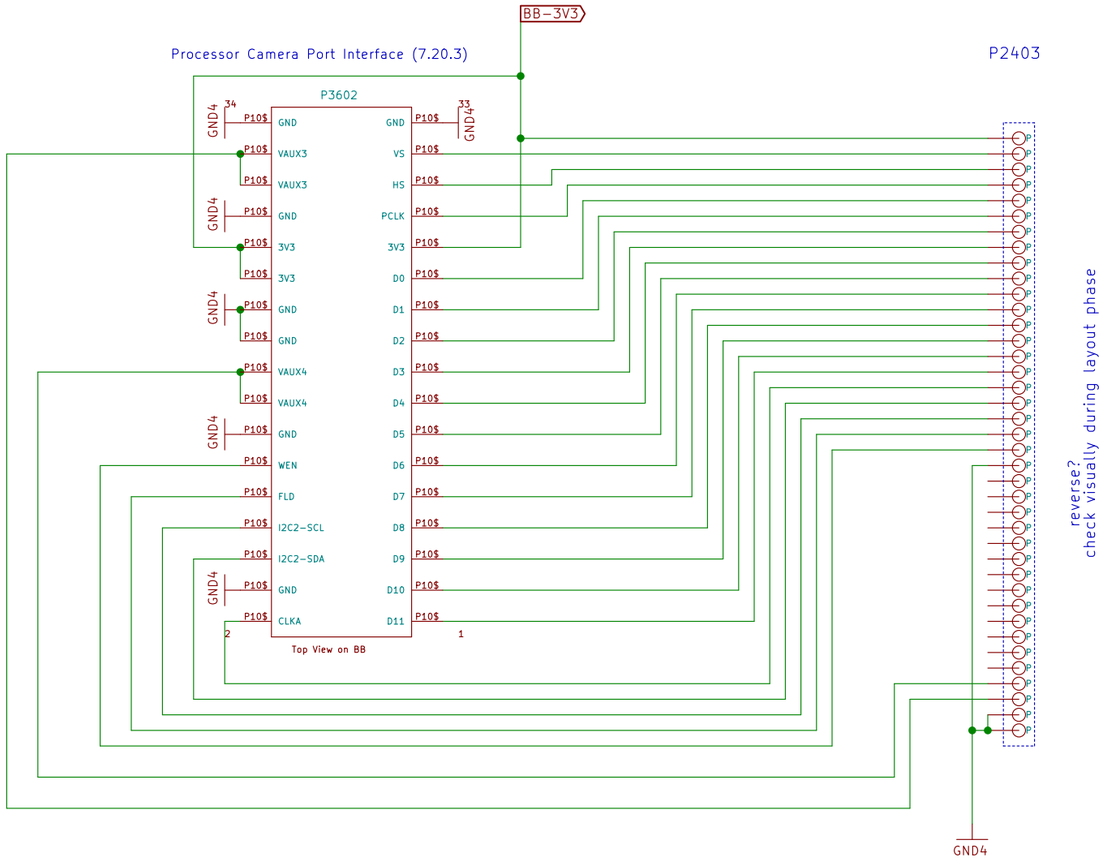
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 35/38





TODO: needs decision on where to take this

Sheet: /BB-XM Adapter (DISP)/		
File: neo900_SS_35.sch		
Title: BB-XM Adapter (DISP)		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 36/38



Sheet: /BB-XM Adapter (CAM)/ File: neo900_SS_36.sch		
Title: BB-XM Adapter (CAM)		
Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~46ubuntu16.04.1-product		Id: 37/38

Molex Jumper cables to connect BB-XM-Adapter to Uppwer board

N3701
15015-0439
CPU

N3702
15015-0439
DISP

N3703
15015-0439
CAM

N3704
N900 case assembly

N3705
N97-CAMERA-HOLE

N3706
headset jack

N3707
STENCIL-TOP

N3708
STENCIL-BOTTOM

Sheet: /No-Solder Components/
File: neo900_SS_37.sch

Title: No-Solder Components

Size: A3	Date: 17 JUL 2016	**Rev:**
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+6975~ubuntu16.04.1-product		Id: 38/38