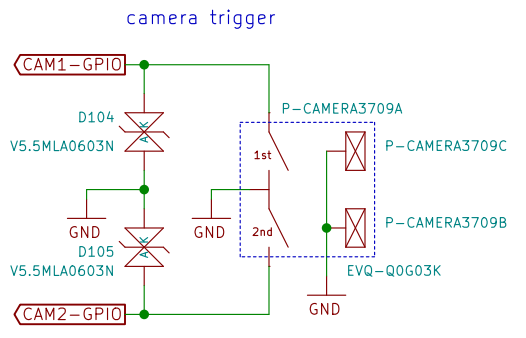
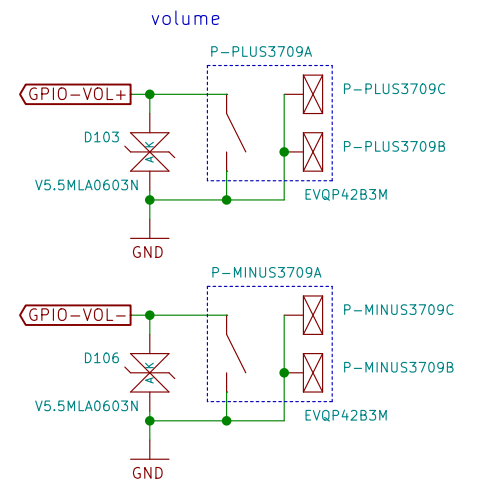
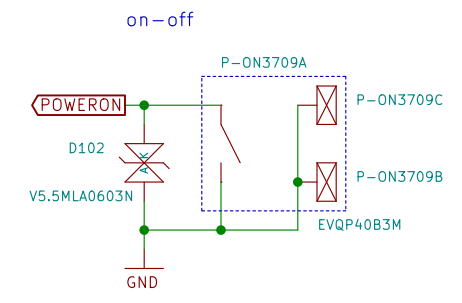
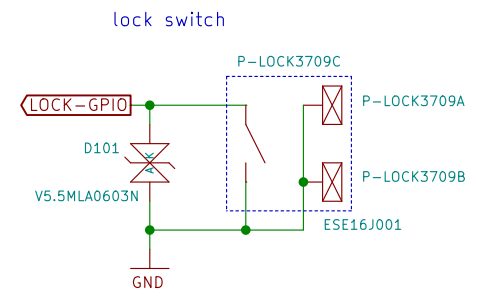


Sheet: /	
File: neo900.sch	
Title: neo900.sch	
Size: A3	Date: 16 JUL 2016
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04	Rev: 1/08/2016

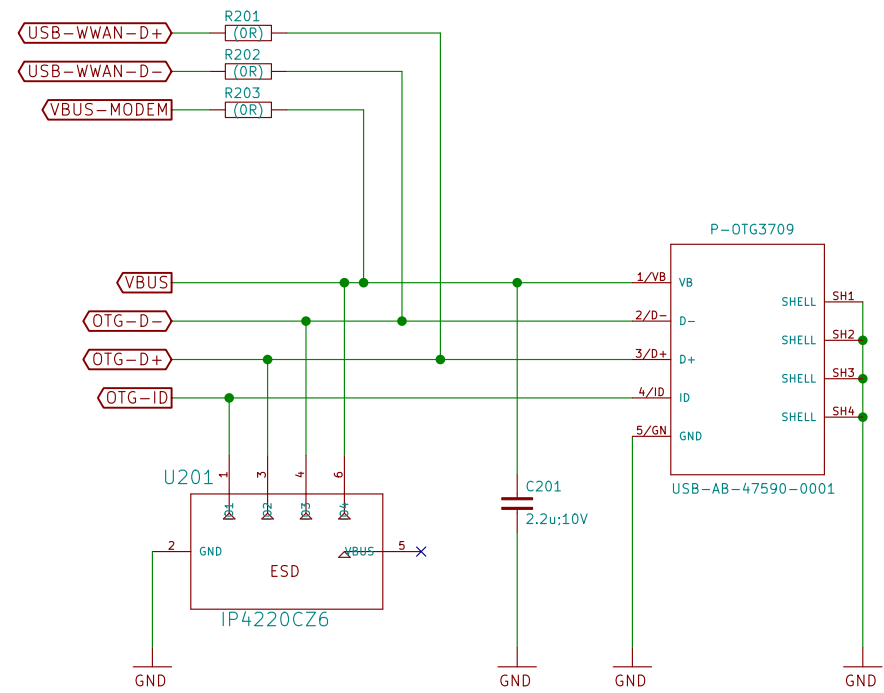


place in scan matrix? would need 3-4 wires to UPPER board instead of 2
 No. VOL+ or VOL- can either be connected to GPIOs
 or drive two FETs that sit in the keyboard matrix
 in any case it is sufficient to connect GPIO-VOL+ and VOL- to two pins on the B2B connector

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Buttons			
Sheet: /Buttons/ File: neo900_SS_1.sch			
Title: neo900.sch			
Size: A3	Date: 16 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1-2/38uct	

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



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OTG

Sheet: /OTG/
File: neo900_SS_2.sch

Title: neo900.sch

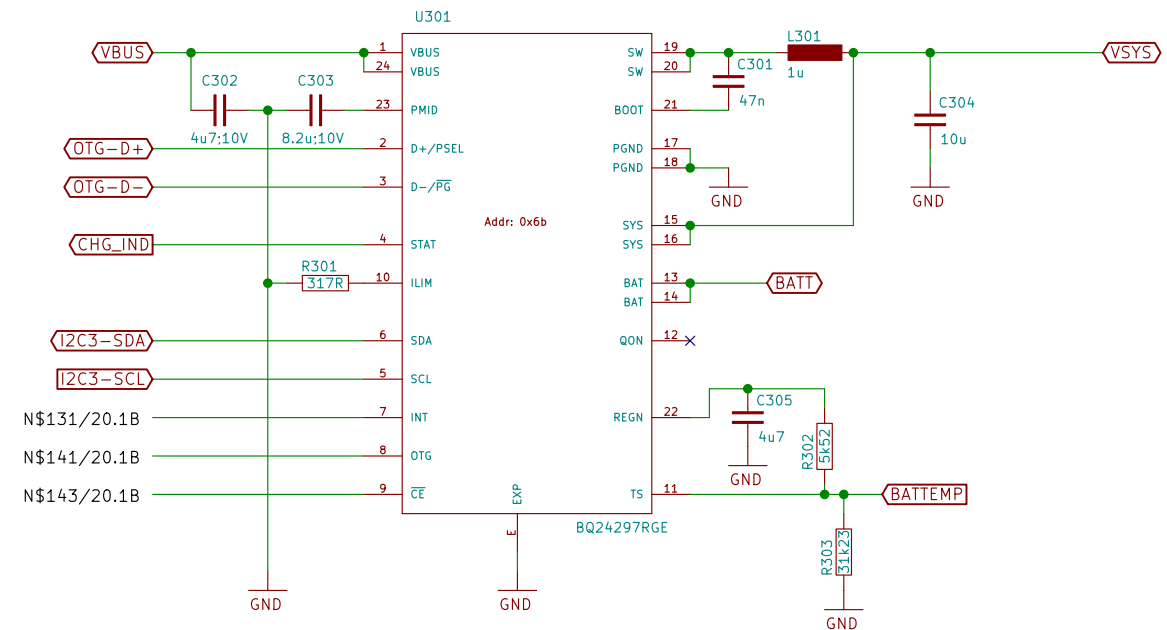
Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04.1-1ubuntu1

Rev:

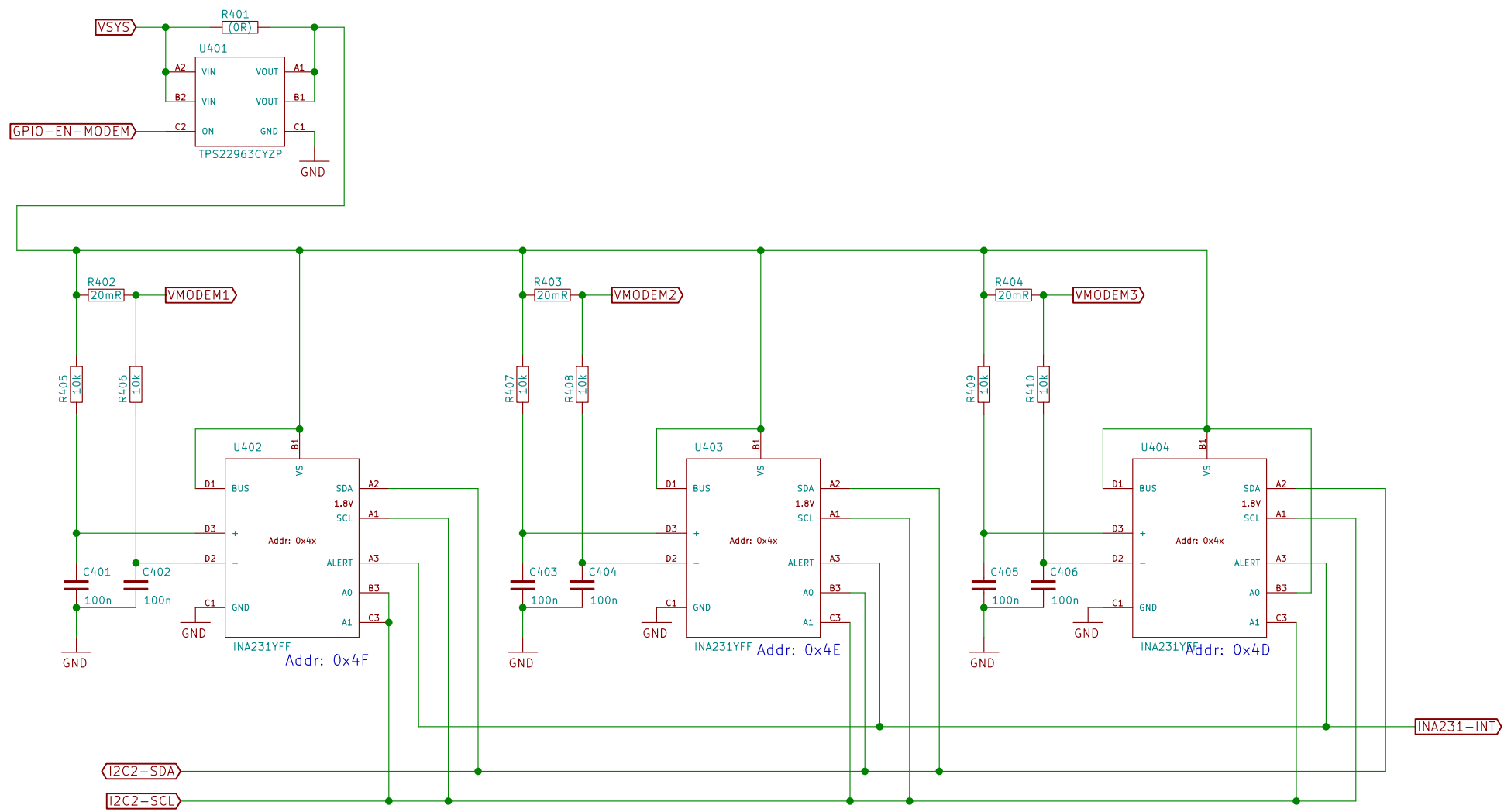
1/08uct

TODO



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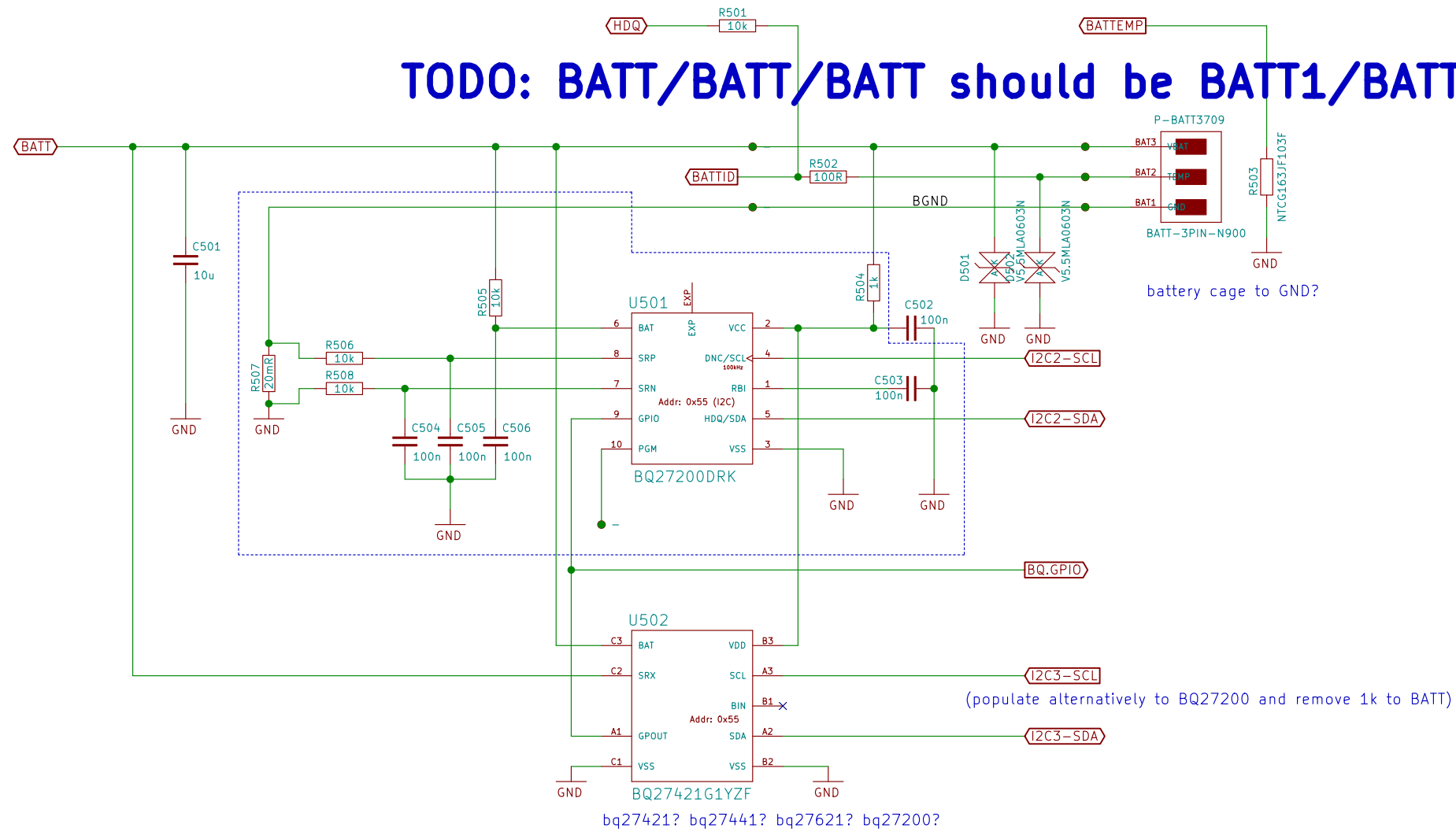
Charger/OTG-Booster		
Sheet: /Charger/OTG-Booster/ File: neo900_SS_3.sch		
Title: neo900.sch		
Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		Product



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Modem Power			
Sheet: /Modem Power/			
File: neo900_SS_4.sch			
Title: neo900.sch			
Size: A3	Date: 17 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1-5/38	

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



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Fuel Gauge

Sheet: /Fuel Gauge/
File: neo900_SS_5.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-6/38uct **Rev:**

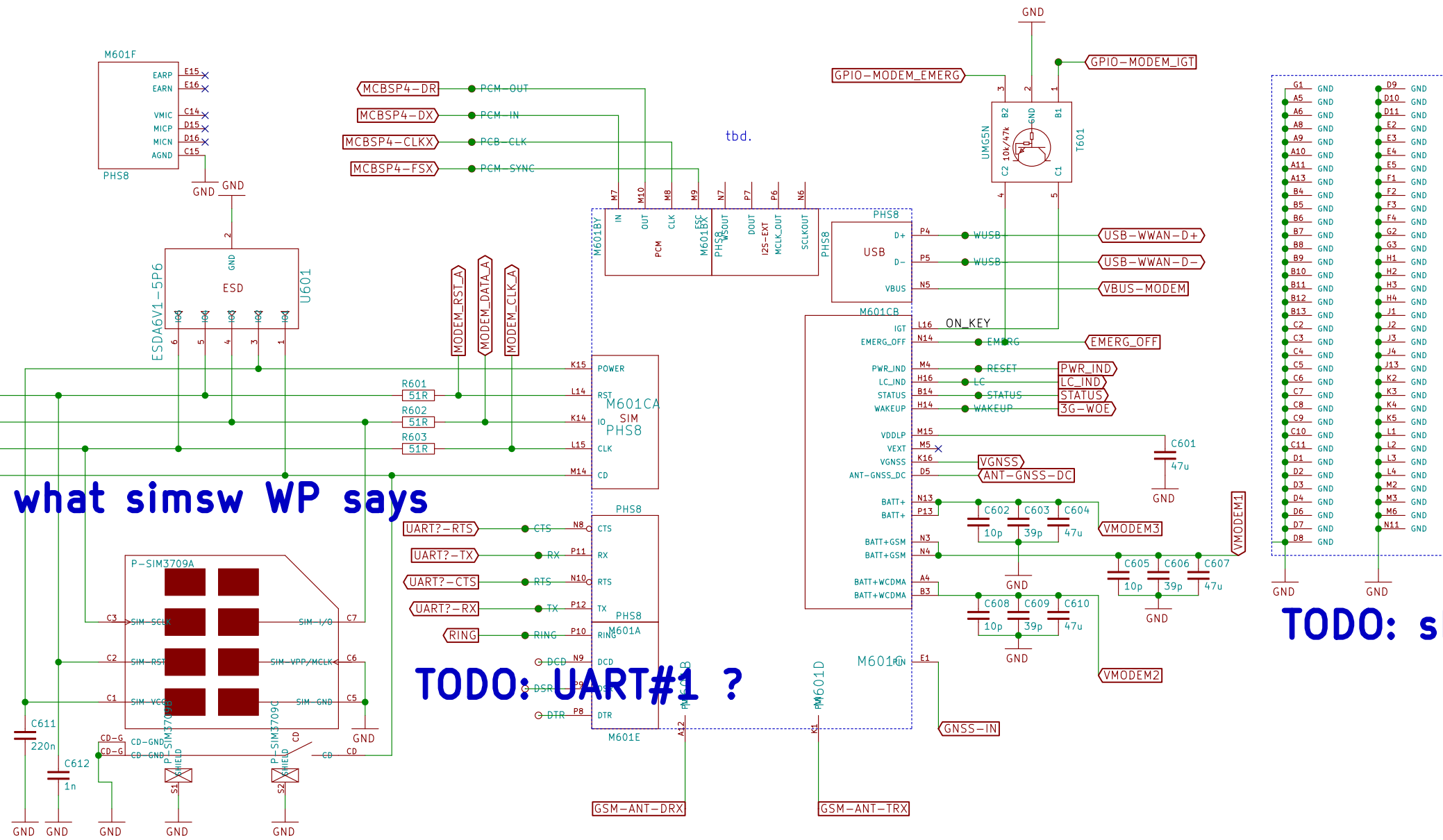
TODO: do what simsw WP says

TODO: UART#1 ?

TODO: shield connection near

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

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3G/4G Modem + SIM

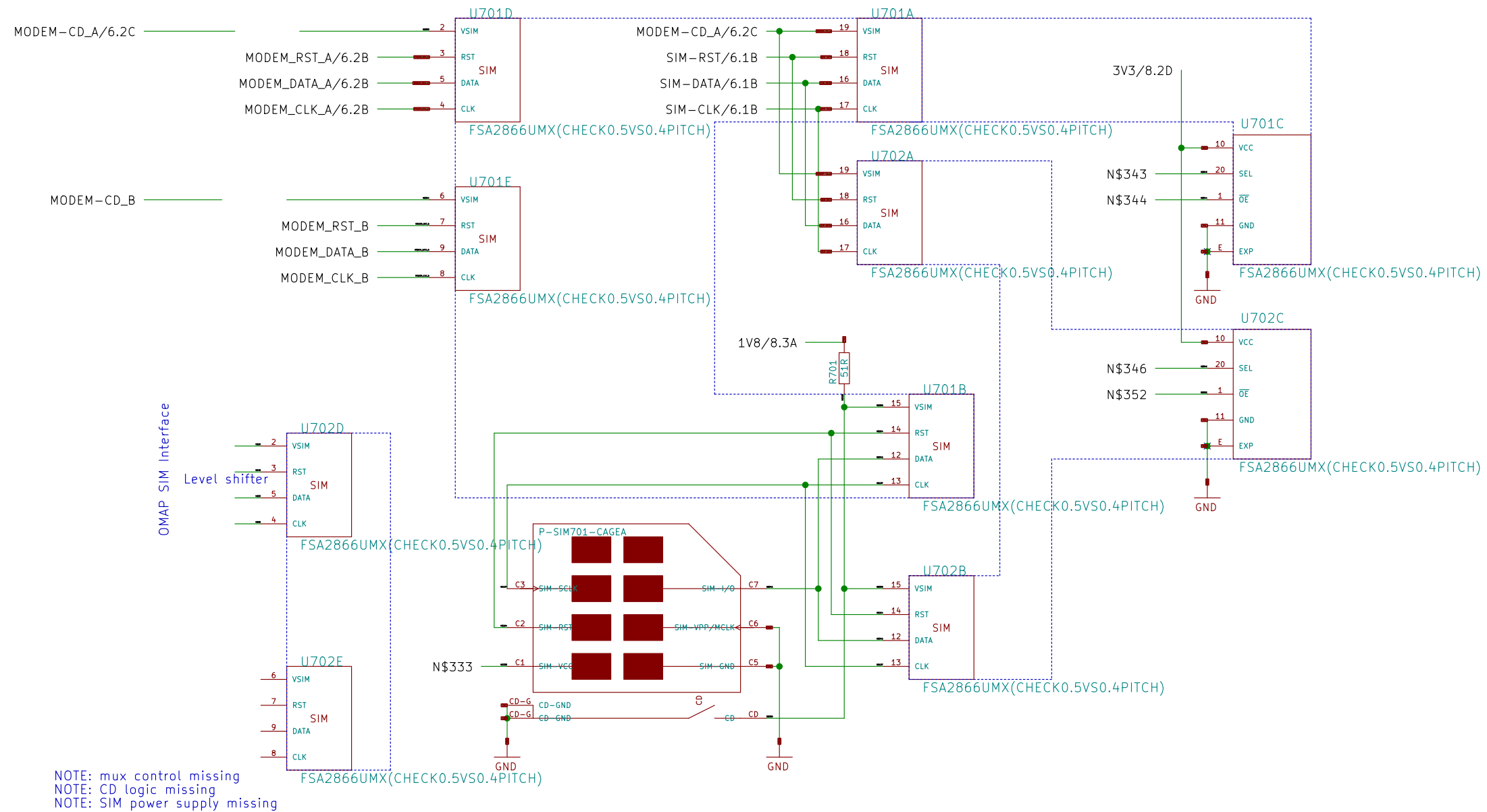
Sheet: /3G/4G Modem + SIM/
File: neo900_SS_6.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04.1-1/38uct Rev: 1

TODO: not cleaned up – needs total rewrite



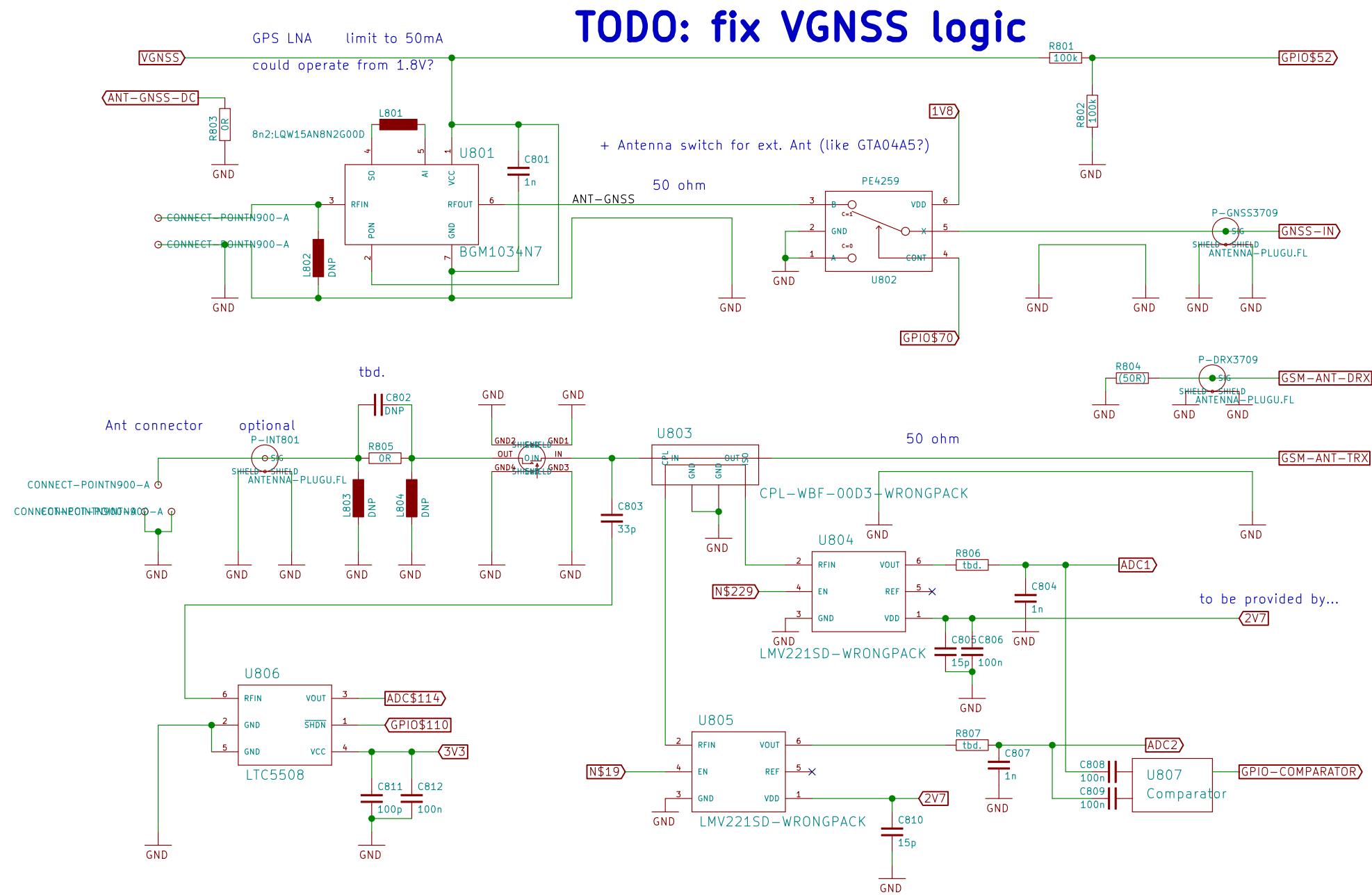
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Dual SIM switch

Sheet: /Dual SIM switch/
 File: neo900_SS_7.sch

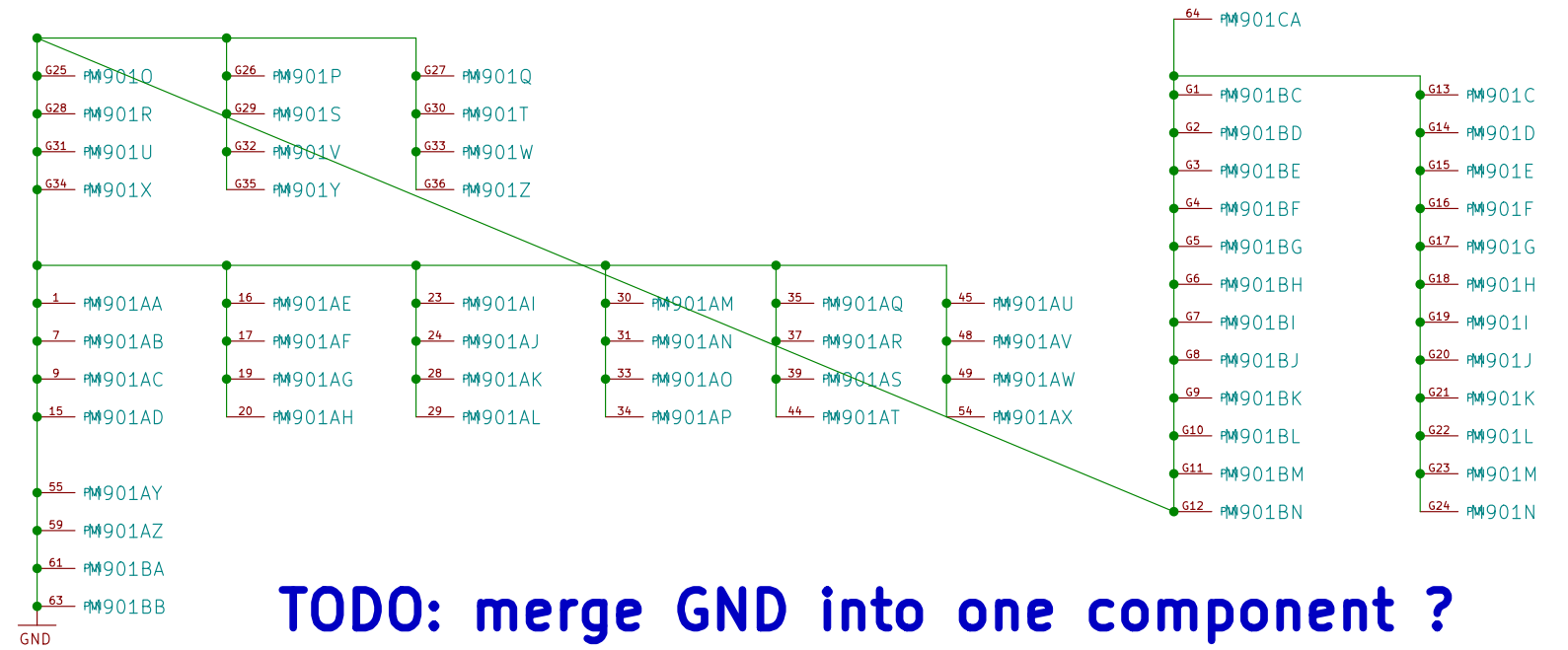
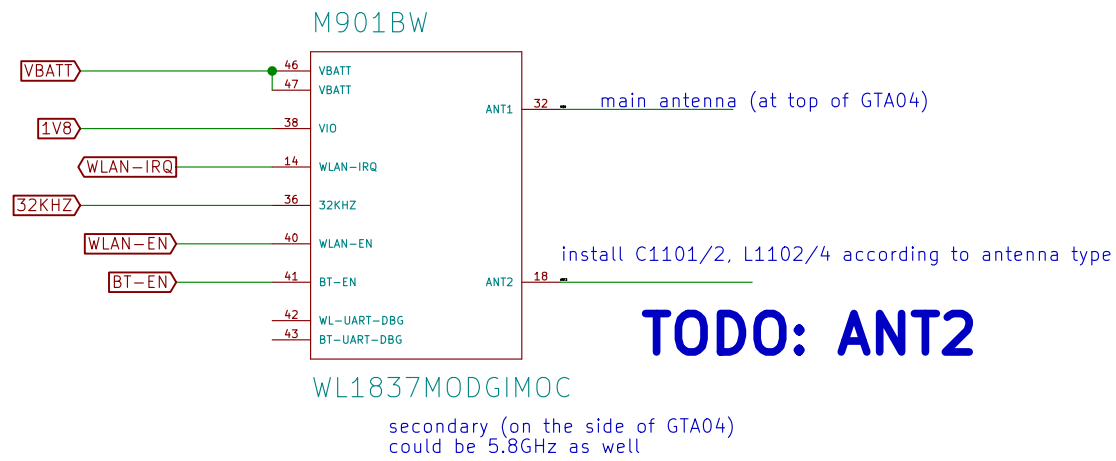
Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1-8/38

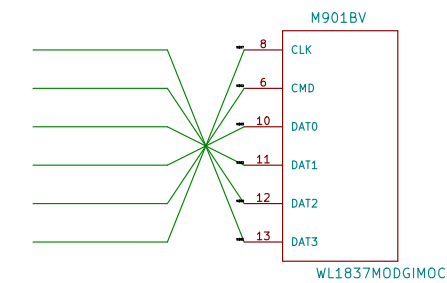
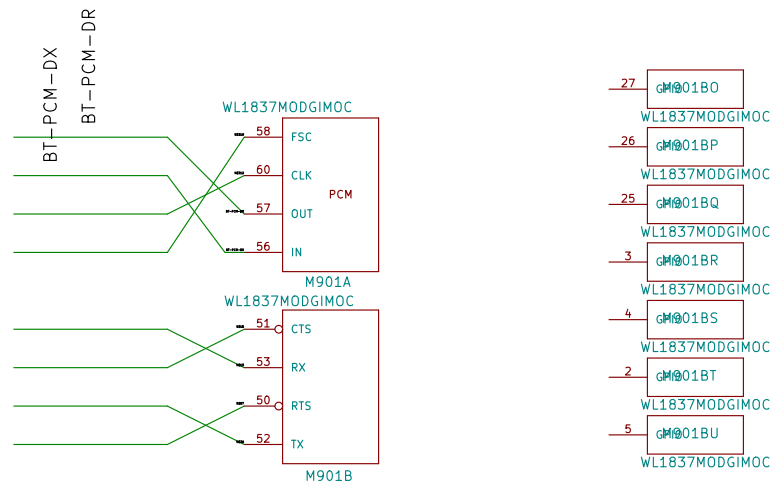


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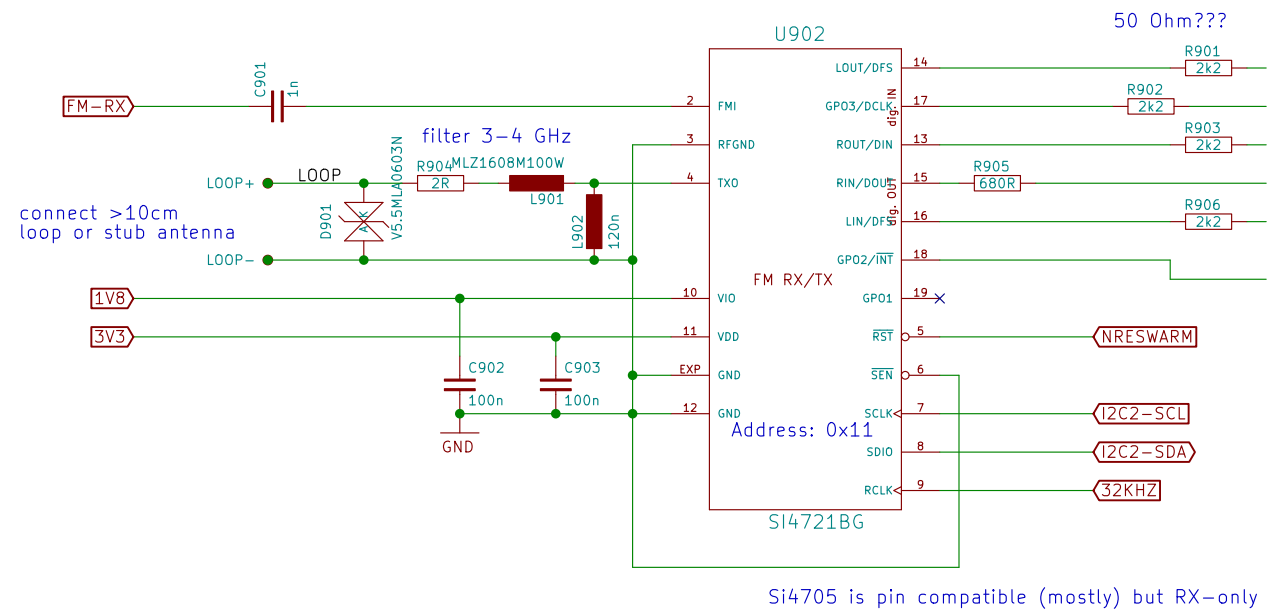
Antenna connections	
Sheet: /Antenna connections/ File: neo900_SS_8.sch	
Title: neo900.sch	
Size: A3	Date: 17 JUL 2016
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04	
Rev: 1	Product: neo900



TODO: unfinished



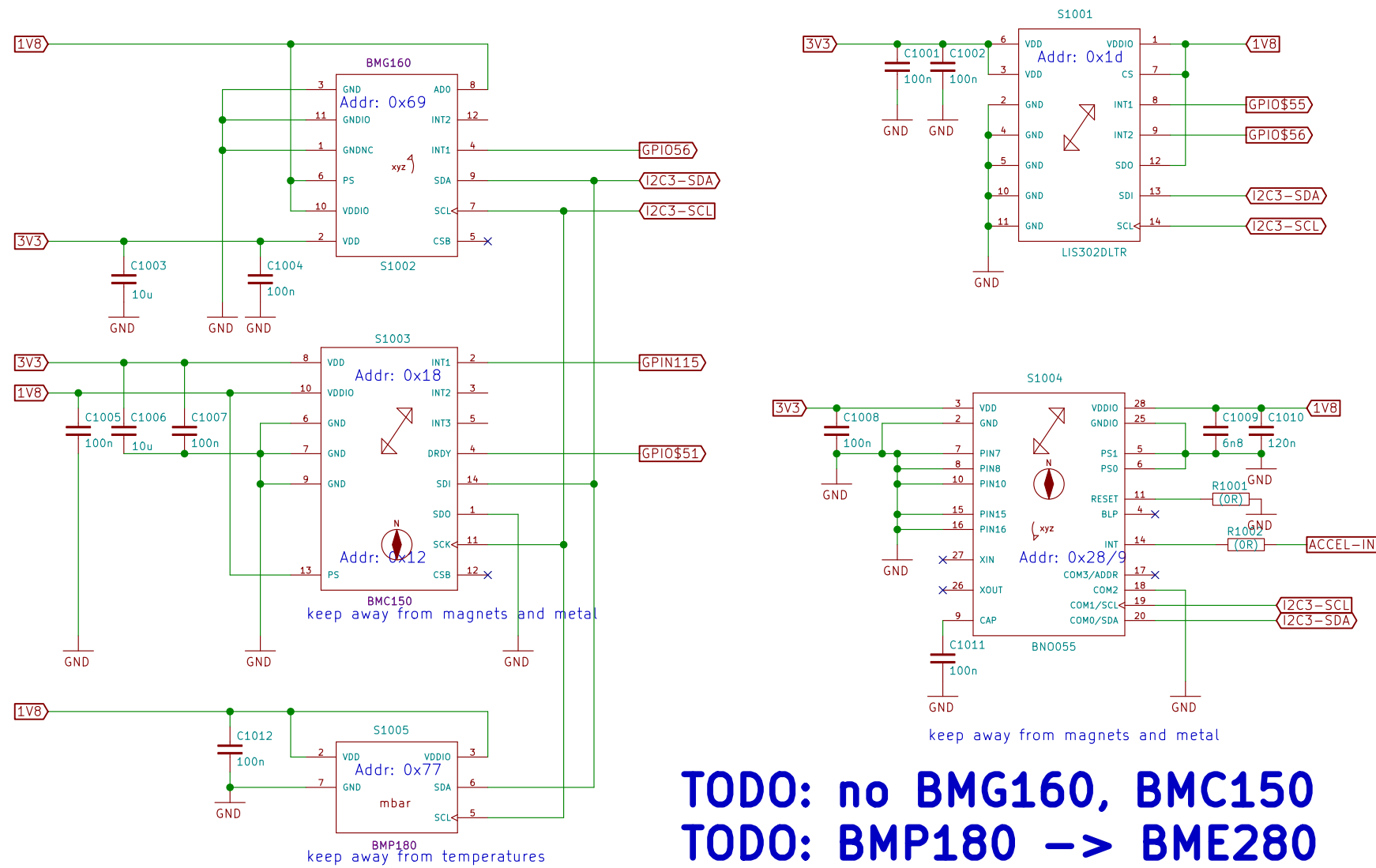
- WLAN-IRQ
- WLAN-EN
- BT-EN
- GPIO175
- KEYIRQ



TODO: unfinished

- FSX
- CLKX
- DX
- DR
- FSR
- CLKR

WLAN, Bluetooth, FM		
Sheet: /WLAN, Bluetooth, FM/ File: neo900_SS_9.sch		
Title: neo900.sch		
Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-10086ct		



TODO: no BMG160, BMC150
TODO: BMP180 -> BME280
TODO: BN0055 -> BMX055
TODO: INT1/2 sharing

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Sensors

Sheet: /Sensors/
 File: neo900_SS_10.sch

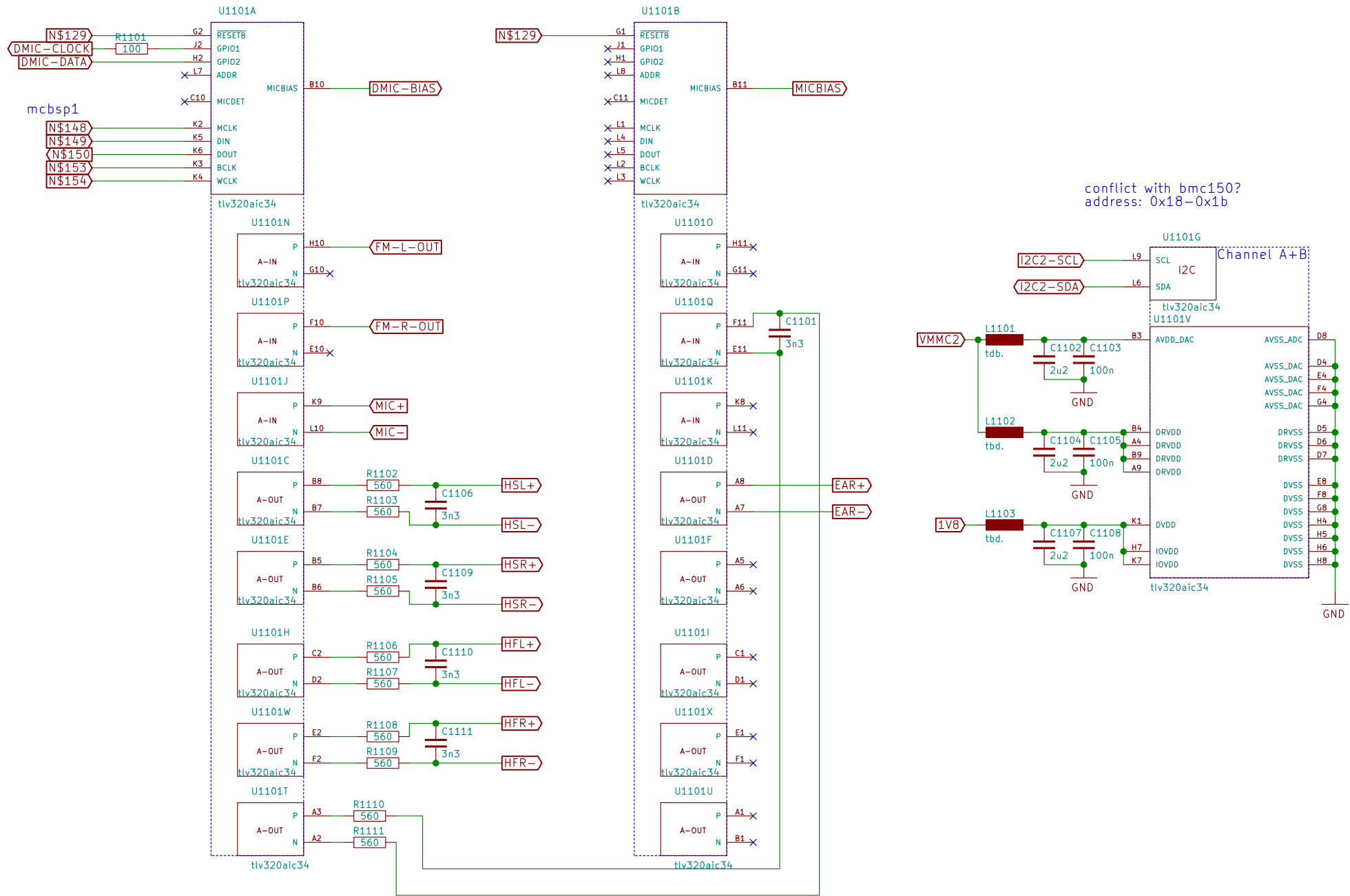
Title: neo900.sch

Size: A3 Date: 17 JUL 2016

Rev:

KiCad E.D.A. eschema 4.1.0-alpha+201607120318+697546ubuntu16.04-11/13/16

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)



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Audio Codec

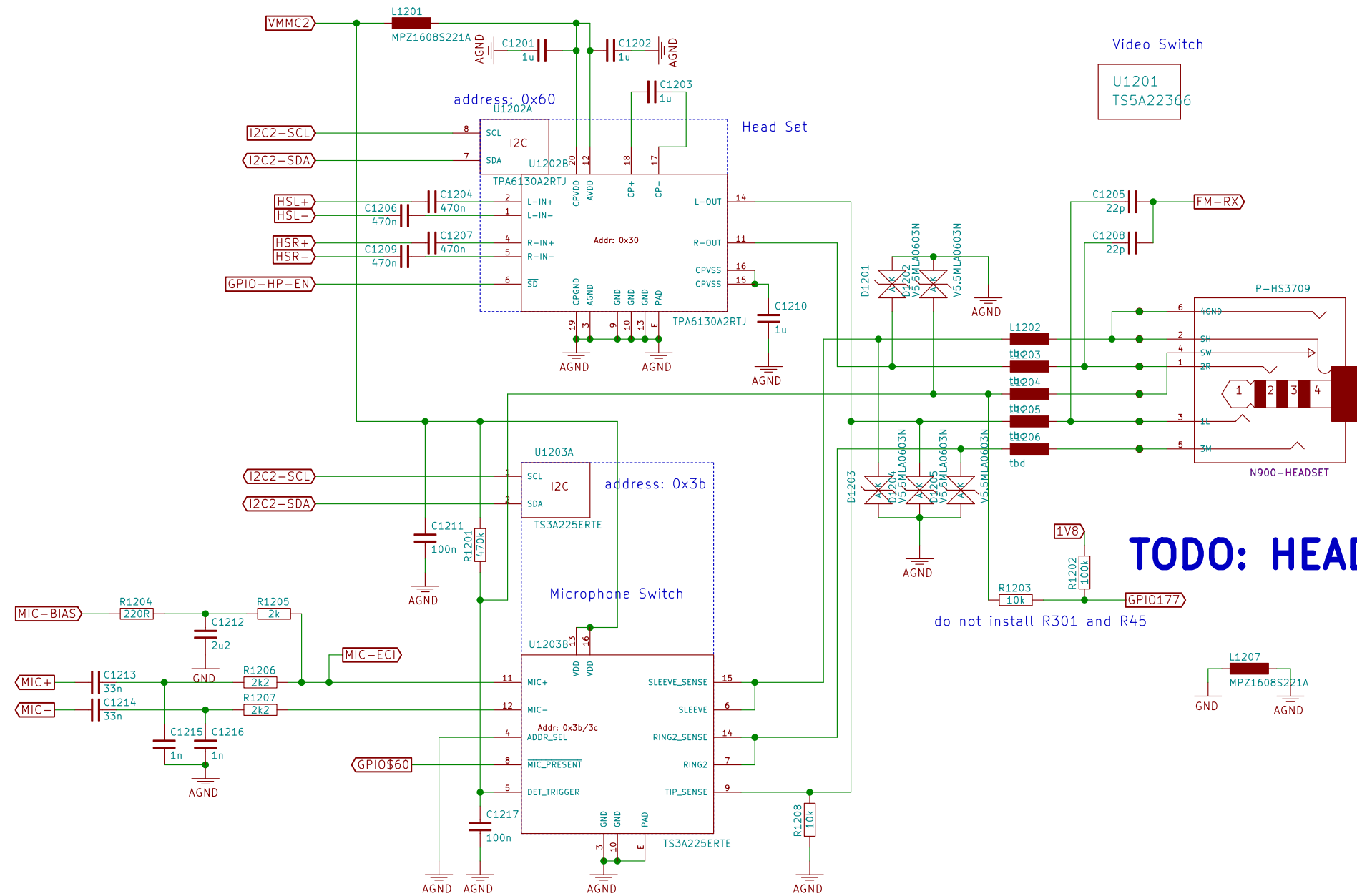
Sheet: /Audio Codec/
 File: neo900_SS_11.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

Rev:

KiCad E.D.A. eschema 4.1.0-alpha+201607120318+697546ubuntu16.04-12080ct



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Audio Headset & Mic

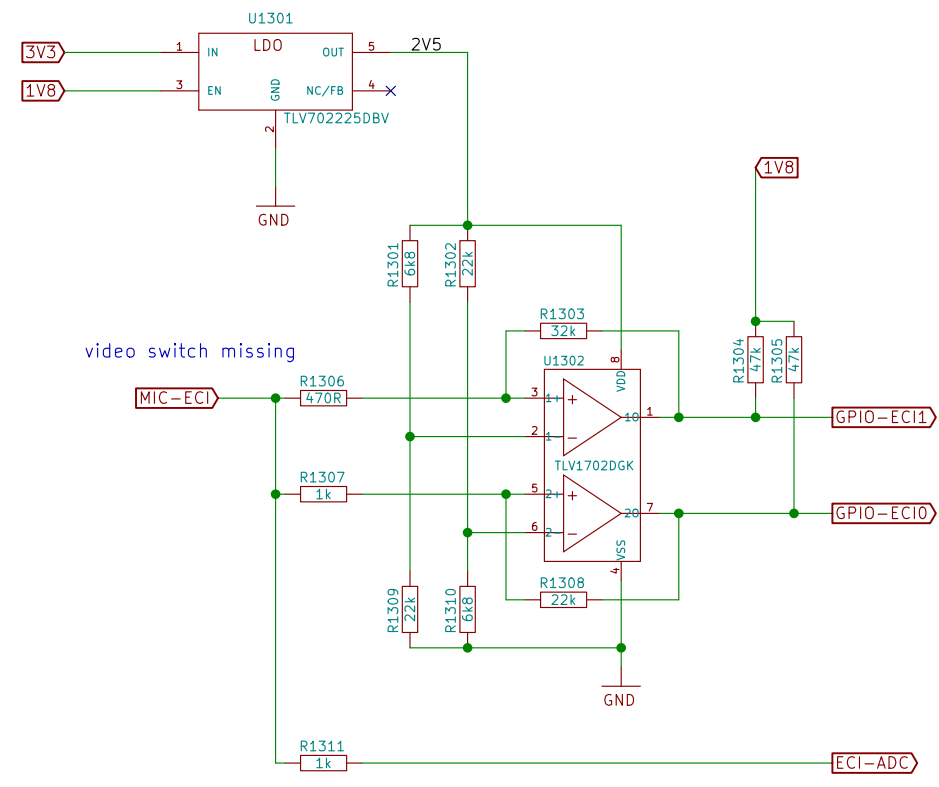
Sheet: /Audio Headset + Mic/
File: neo900_SS_12.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

Rev:

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-1306ct

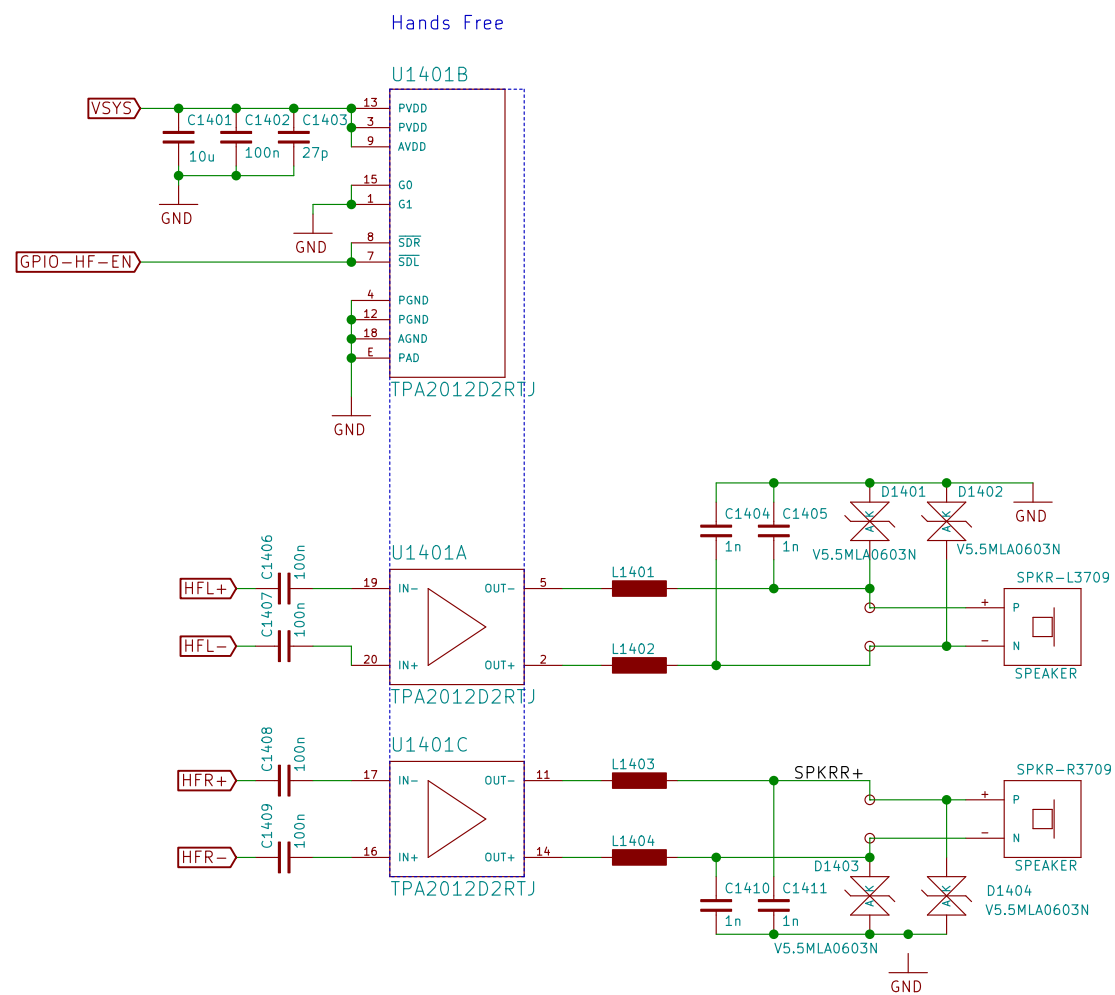


video switch missing

TODO: draw comparator right

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ECI	
Sheet: /ECI/ File: neo900_SS_13.sch	
Title: neo900.sch	
Size: A3	Date: 17 JUL 2016
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04	
Rev: 1	14/08/2016



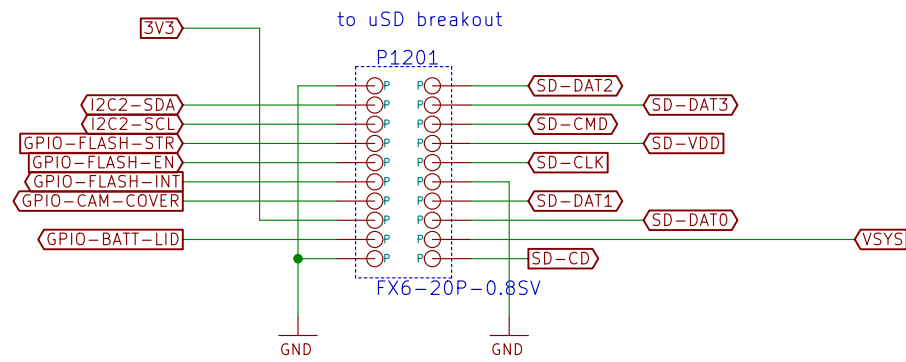
(c) 2014 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA.

Audio Handsfree

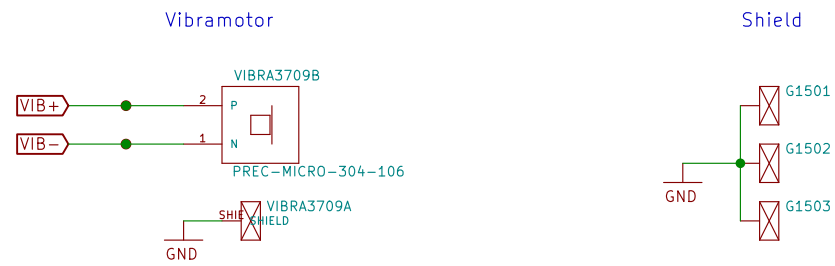
Sheet: /Audio Handsfree/
File: neo900_SS_14.sch

Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		15/06/2016

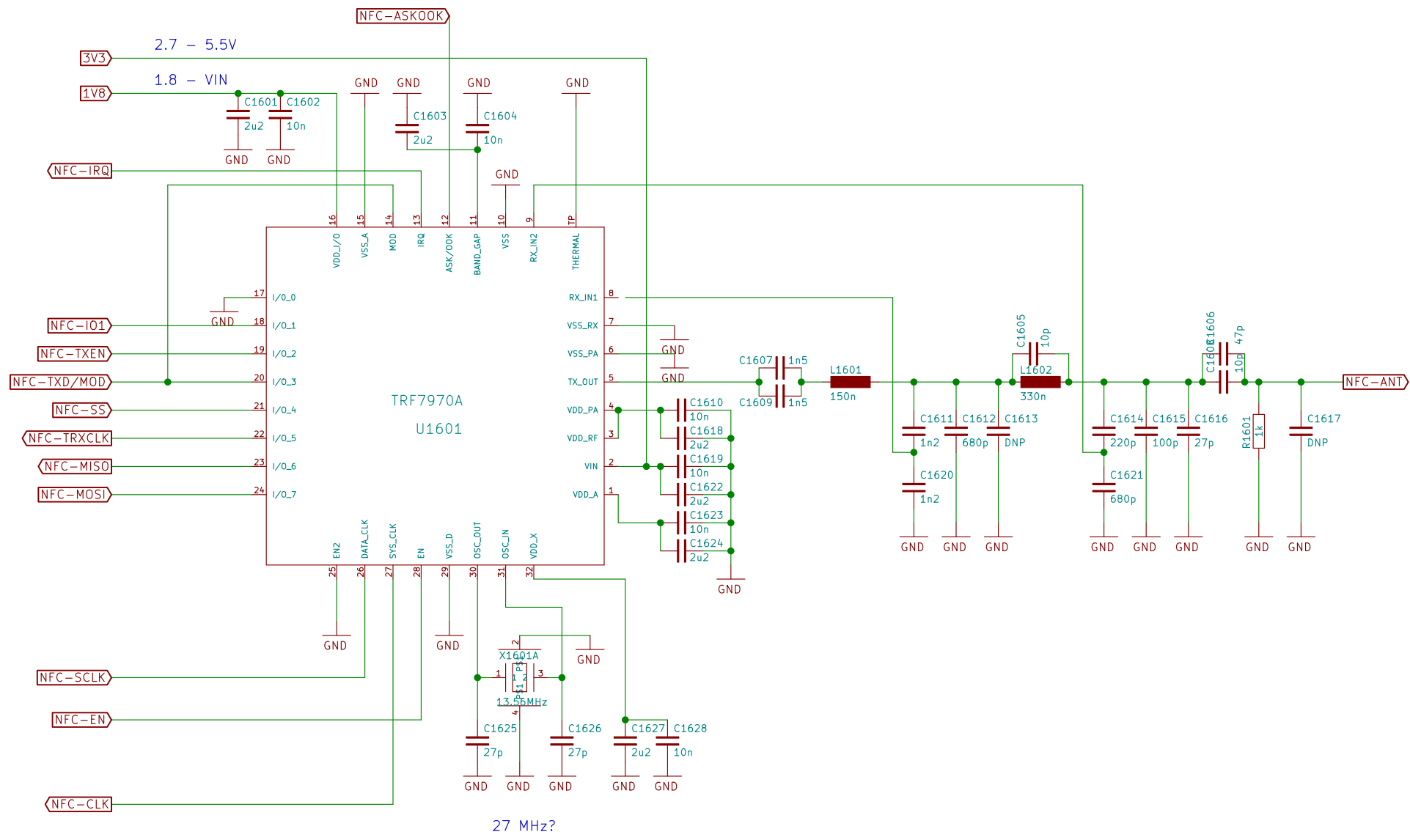


TODO: bogus connector (see HB WP)



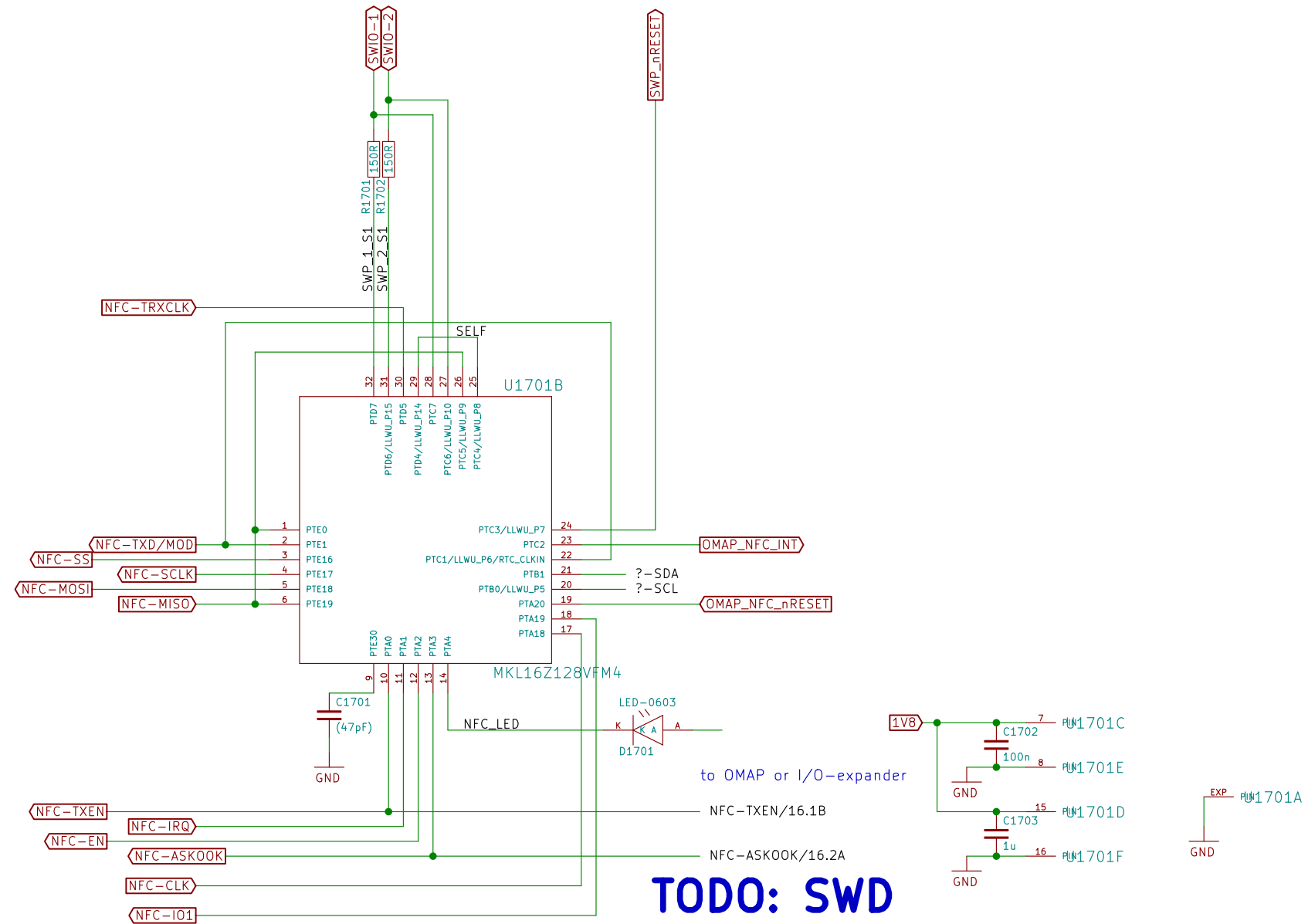
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Misc (lower)			
Sheet: /Misc (lower)/			
File: neo900_SS_15.sch			
Title: neo900.sch			
Size: A3	Date: 17 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		16/08/2016	



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RFID/NFC Reader		
Sheet: /RFID/NFC Reader/ File: neo900_SS_16.sch		
Title: neo900.sch		
Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-1p38ct		

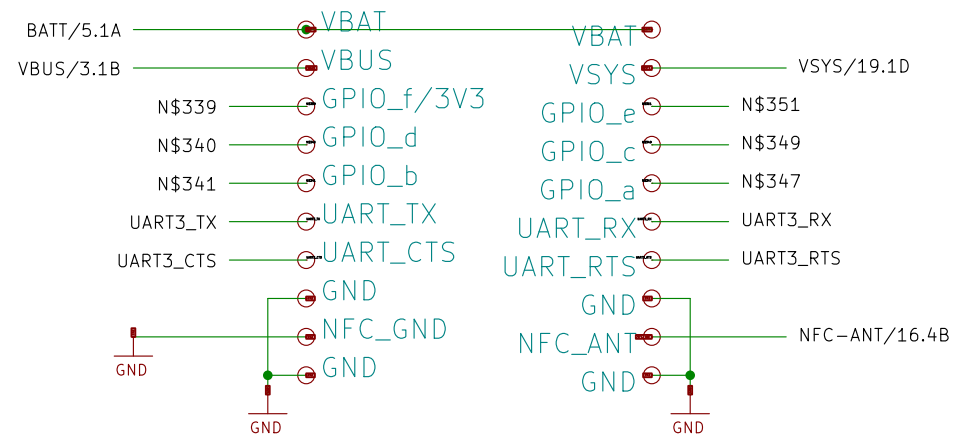
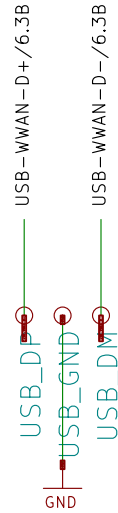


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RFID/NFC Controller			
Sheet: /RFID/NFC Controller/ File: neo900_SS_17.sch			
Title: neo900.sch			
Size: A3	Date: 17 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-1p03oct			

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



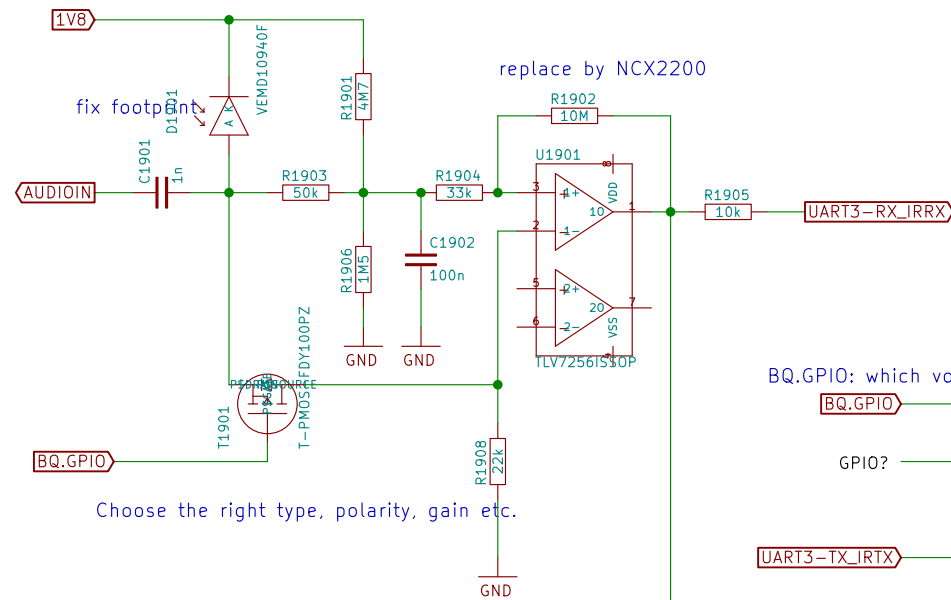
Missing 10 level shifter chip (or do we really have the space for 10x discrete T+R+D ca. 3x3mm each?)
 Missing 6x 2R for alternate function select (do we have the space for ca. 2.5 x 5mm?)

TODO: align with HB WP

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Hackerbus		
Sheet: /Hackerbus/ File: neo900_SS_18.sch		
Title: neo900.sch		
Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eschema 4.1.0-alpha+201607120318+697546ubuntu16.04		19/08/2016

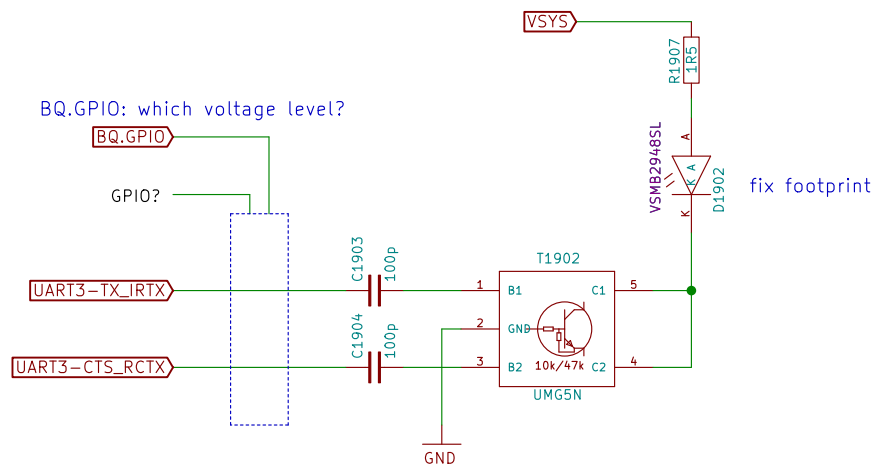
NOTE: 1V8 may be quite noisy



replace by NCX2200

Choose the right type, polarity, gain etc.

TODO: delete U1902

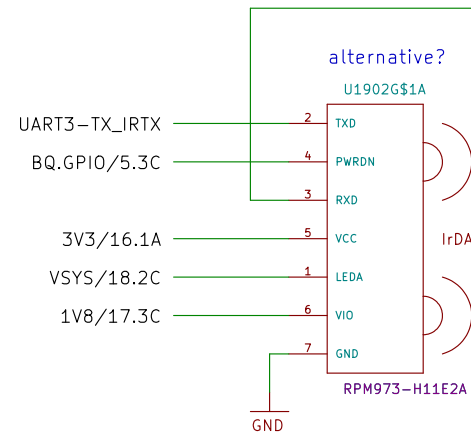


BQ.GPIO: which voltage level?

BQ.GPIO

GPIO?

fix footprint



TODO: update to design in IR WP

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Infrared

Sheet: /Infrared/
File: neo900_SS_19.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04.1-20160606

Rev:

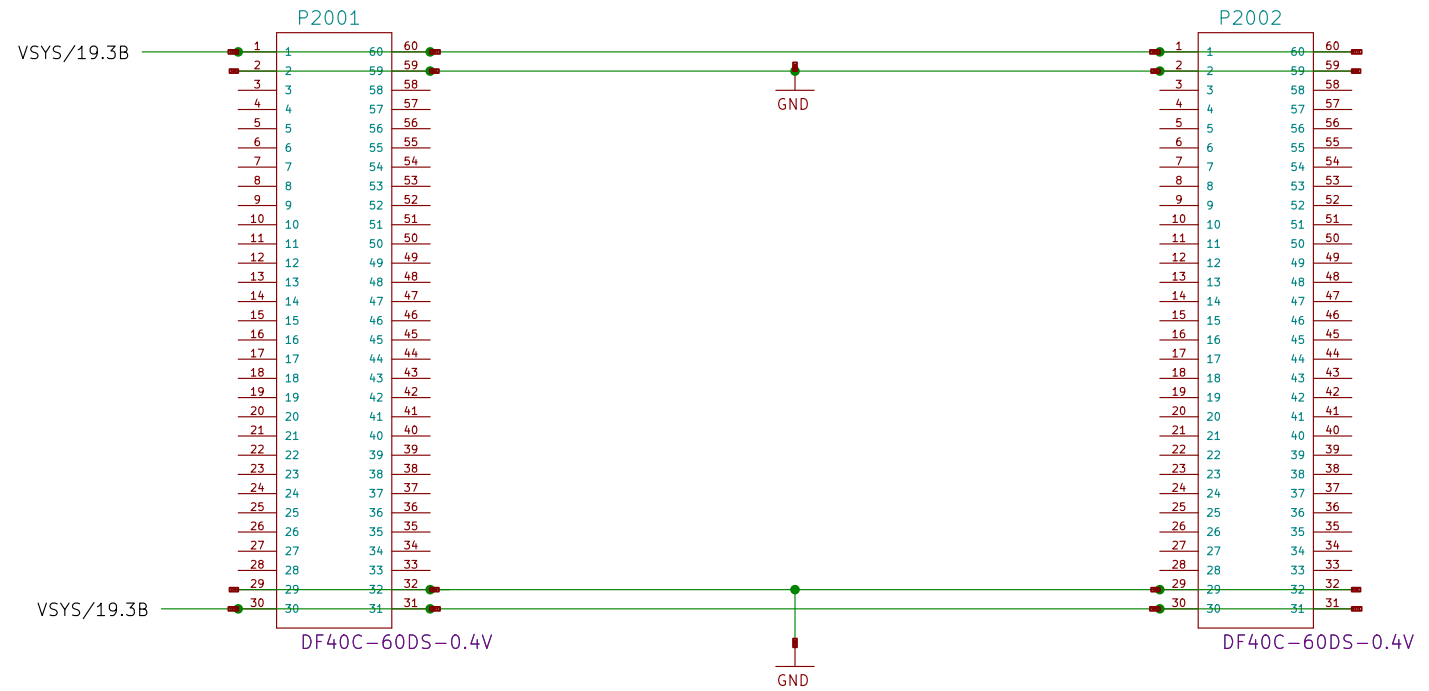
1.0

TODO: update when details settle

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

LOCK-GPIO/1.2A	GPIO-EN-MODEM/4.1A	GPIO-EN-MODEM/4.1A	GPIO-EN-MODEM/4.1A
POWERON/1.3A	I2C2-SDA/15.1A	I2C2-SDA/15.1A	I2C2-SDA/15.1A
GPIO-VOL+/1.2B	I2C2-SCL/15.1A	I2C2-SCL/15.1A	I2C2-SCL/15.1A
GPIO-VOL-/1.2B	INA231-INT/4.4C	INA231-INT/4.4C	INA231-INT/4.4C
CAM1-GPIO/1.3B	HDQ/5.2A	HDQ/5.2A	HDQ/5.2A
CAM2-GPIO/1.3C	GPIO\$70/8.3B	GPIO\$70/8.3B	GPIO\$70/8.3B
I2C3-SDA/10.4C	GPIO\$110/8.1D	GPIO\$110/8.1D	GPIO\$110/8.1D
I2C3-SCL/10.4C	N\$19/8.2D	N\$19/8.2D	N\$19/8.2D
CHG_IND/3.1B	N\$229/8.3C	N\$229/8.3C	N\$229/8.3C
N\$131/3.1C	ADC\$114/8.1C	ADC\$114/8.1C	ADC\$114/8.1C
N\$141/3.1C	ADC1/8.4C	ADC1/8.4C	ADC1/8.4C
N\$143/3.1C	ADC2/8.4C	ADC2/8.4C	ADC2/8.4C
BATTEMP/5.4A	GPIO-COMPARATOR/8.4D	GPIO-COMPARATOR/8.4D	GPIO-COMPARATOR/8.4D
GPIO-EN-MODEM/4.1A	MCBSP4-DR/6.2A	MCBSP4-DR/6.2A	MCBSP4-DR/6.2A
I2C2-SDA/15.1A	MCBSP4-DX/6.2A	MCBSP4-DX/6.2A	MCBSP4-DX/6.2A
I2C2-SCL/15.1A	MCBSP4-CLKX/6.2A	MCBSP4-CLKX/6.2A	MCBSP4-CLKX/6.2A
INA231-INT/4.4C	MCBSP4-FSX/6.2A	MCBSP4-FSX/6.2A	MCBSP4-FSX/6.2A
HDQ/5.2A	UART?-RTS/6.2C	UART?-RTS/6.2C	UART?-RTS/6.2C
GPIO\$70/8.3B	UART?-CTS/6.2C	UART?-CTS/6.2C	UART?-CTS/6.2C
GPIO\$110/8.1D	UART?-RX/6.2C	UART?-RX/6.2C	UART?-RX/6.2C
N\$19/8.2D	UART?-TX/6.2C	UART?-TX/6.2C	UART?-TX/6.2C
N\$229/8.3C	RING/6.2C	RING/6.2C	RING/6.2C
ADC\$114/8.1C	GPIO-MODEM_JGT/6.3A	GPIO-MODEM_JGT/6.3A	GPIO-MODEM_JGT/6.3A
ADC1/8.4C	GPIO-MODEM_EMERG/6.3A	GPIO-MODEM_EMERG/6.3A	GPIO-MODEM_EMERG/6.3A
ADC2/8.4C	EMERG_OFF/6.3B	EMERG_OFF/6.3B	EMERG_OFF/6.3B
GPIO-COMPARATOR/8.4D	PWR_IND/6.3B	PWR_IND/6.3B	PWR_IND/6.3B
MCBSP4-DR/6.2A	LC_IND/6.3B	LC_IND/6.3B	LC_IND/6.3B
MCBSP4-DX/6.2A	STATUS/6.3B	STATUS/6.3B	STATUS/6.3B
MCBSP4-CLKX/6.2A	3G-WOE/6.3B	3G-WOE/6.3B	3G-WOE/6.3B
MCBSP4-FSX/6.2A	GPIO\$52/8.4A	GPIO\$52/8.4A	GPIO\$52/8.4A
UART?-RTS/6.2C	GPIO-WLAN-EN/9.1A	GPIO-WLAN-EN/9.1A	GPIO-WLAN-EN/9.1A
UART?-CTS/6.2C	MMC3-CLK/9.1A	MMC3-CLK/9.1A	MMC3-CLK/9.1A
UART?-RX/6.2C	MMC3-CMD/9.1A	MMC3-CMD/9.1A	MMC3-CMD/9.1A
UART?-TX/6.2C	MMC3-DATA0/9.1A	MMC3-DATA0/9.1A	MMC3-DATA0/9.1A
RING/6.2C	MMC3-DATA1/9.1A	MMC3-DATA1/9.1A	MMC3-DATA1/9.1A
GPIO-MODEM_JGT/6.3A	MMC3-DATA2/9.1A	MMC3-DATA2/9.1A	MMC3-DATA2/9.1A
GPIO-MODEM_EMERG/6.3A	MMC3-DATA3/9.1A	MMC3-DATA3/9.1A	MMC3-DATA3/9.1A
EMERG_OFF/6.3B	GPIO-WLAN-IRQ/9.1A	GPIO-WLAN-IRQ/9.1A	GPIO-WLAN-IRQ/9.1A
PWR_IND/6.3B	GPIO-BT-EN/9.1C	GPIO-BT-EN/9.1C	GPIO-BT-EN/9.1C
LC_IND/6.3B	UART1-RX/9.1C	UART1-RX/9.1C	UART1-RX/9.1C
STATUS/6.3B	UART1-RTS/9.1C	UART1-RTS/9.1C	UART1-RTS/9.1C
3G-WOE/6.3B	UART1-RX/9.1C	UART1-RX/9.1C	UART1-RX/9.1C
GPIO\$52/8.4A	UART1-CTS/9.1D	UART1-CTS/9.1D	UART1-CTS/9.1D
GPIO-WLAN-EN/9.1A	UART1-TX/9.1D	UART1-TX/9.1D	UART1-TX/9.1D
MMC3-CLK/9.1A	MCBSP3-FCK/9.1D	MCBSP3-FCK/9.1D	MCBSP3-FCK/9.1D
MMC3-CMD/9.1A	MCBSP3-CLK/9.1D	MCBSP3-CLK/9.1D	MCBSP3-CLK/9.1D
MMC3-DATA0/9.1A	MCBSP3-DR/9.1D	MCBSP3-DR/9.1D	MCBSP3-DR/9.1D
MMC3-DATA1/9.1A	MCBSP3-DX/9.1D	MCBSP3-DX/9.1D	MCBSP3-DX/9.1D
MMC3-DATA2/9.1A	SYSCLK/9.3C	SYSCLK/9.3C	SYSCLK/9.3C
MMC3-DATA3/9.1A	32KHZ/9.4A	32KHZ/9.4A	32KHZ/9.4A
GPIO-WLAN-IRQ/9.1A	GPIO-FM-EN/9.3A	GPIO-FM-EN/9.3A	GPIO-FM-EN/9.3A
GPIO-BT-EN/9.1C	GPIO-FMIRQ/9.3A	GPIO-FMIRQ/9.3A	GPIO-FMIRQ/9.3A
UART1-RX/9.1C	MCBSP2-FCK/9.3A	MCBSP2-FCK/9.3A	MCBSP2-FCK/9.3A
UART1-RTS/9.1C	MCBSP2-CLK/9.3A	MCBSP2-CLK/9.3A	MCBSP2-CLK/9.3A
UART1-RX/9.1C	MCBSP2-DR/9.3A	MCBSP2-DR/9.3A	MCBSP2-DR/9.3A
UART1-CTS/9.1D	MCBSP2-DX/9.3A	MCBSP2-DX/9.3A	MCBSP2-DX/9.3A
UART1-TX/9.1D	MCBSP2-DR/9.3A	MCBSP2-DR/9.3A	MCBSP2-DR/9.3A
MCBSP3-FCK/9.1D	MCBSP2-DX/9.3A	MCBSP2-DX/9.3A	MCBSP2-DX/9.3A
MCBSP3-CLK/9.1D	GPIN115/10.3B	GPIN115/10.3B	GPIN115/10.3B
MCBSP3-DR/9.1D	GPIO56/10.3A	GPIO56/10.3A	GPIO56/10.3A
MCBSP3-DX/9.1D	GPIO\$51/10.3B	GPIO\$51/10.3B	GPIO\$51/10.3B
SYSCLK/9.3C	GPIO\$55/10.4A	GPIO\$55/10.4A	GPIO\$55/10.4A
32KHZ/9.4A	GPIO\$56/10.4A	GPIO\$56/10.4A	GPIO\$56/10.4A
GPIO-FM-EN/9.3A	ACCEL-INT/10.4C	ACCEL-INT/10.4C	ACCEL-INT/10.4C
GPIO-FMIRQ/9.3A	N\$129/11.2A	N\$129/11.2A	N\$129/11.2A
MCBSP2-FCK/9.3A	N\$148/11.1A	N\$148/11.1A	N\$148/11.1A
MCBSP2-CLK/9.3A	N\$149/11.1A	N\$149/11.1A	N\$149/11.1A
MCBSP2-DR/9.3A	N\$150/11.1A	N\$150/11.1A	N\$150/11.1A
MCBSP2-DX/9.3A	N\$153/11.1A	N\$153/11.1A	N\$153/11.1A
GPIN115/10.3B	N\$154/11.1A	N\$154/11.1A	N\$154/11.1A
GPIO56/10.3A	GPIO-ECI1/13.3B	GPIO-ECI1/13.3B	GPIO-ECI1/13.3B
GPIO\$51/10.3B	GPIO-ECIO/13.3C	GPIO-ECIO/13.3C	GPIO-ECIO/13.3C
GPIO\$55/10.4A	ECI-ADC/13.3C	ECI-ADC/13.3C	ECI-ADC/13.3C
GPIO\$56/10.4A	VMMC2/12.1A	VMMC2/12.1A	VMMC2/12.1A
ACCEL-INT/10.4C	GPIO-HP-EN/12.1B	GPIO-HP-EN/12.1B	GPIO-HP-EN/12.1B
N\$129/11.2A	GPIO\$60/12.2D	GPIO\$60/12.2D	GPIO\$60/12.2D
N\$148/11.1A	GPIO177/12.4C	GPIO177/12.4C	GPIO177/12.4C
N\$149/11.1A	GPIO-HF-EN/14.1B	GPIO-HF-EN/14.1B	GPIO-HF-EN/14.1B
N\$150/11.1A	GPIO-FLASH-STR/15.1A	GPIO-FLASH-STR/15.1A	GPIO-FLASH-STR/15.1A
N\$153/11.1A	GPIO-FLASH-EN/15.1A	GPIO-FLASH-EN/15.1A	GPIO-FLASH-EN/15.1A
N\$154/11.1A	GPIO-FLASH-INT/15.1A	GPIO-FLASH-INT/15.1A	GPIO-FLASH-INT/15.1A
GPIO-ECI1/13.3B	GPIO-BATT-LID/15.1B	GPIO-BATT-LID/15.1B	GPIO-BATT-LID/15.1B
GPIO-ECIO/13.3C	SD-CMD/15.2A	SD-CMD/15.2A	SD-CMD/15.2A
ECI-ADC/13.3C	SD-CLK/15.2A	SD-CLK/15.2A	SD-CLK/15.2A
VMMC2/12.1A	SD-CD/15.2B	SD-CD/15.2B	SD-CD/15.2B
GPIO-HP-EN/12.1B	SD-VDD/15.2A	SD-VDD/15.2A	SD-VDD/15.2A
GPIO\$60/12.2D	SD-DAT0/15.2B	SD-DAT0/15.2B	SD-DAT0/15.2B
GPIO177/12.4C	SD-DAT1/15.2B	SD-DAT1/15.2B	SD-DAT1/15.2B
GPIO-HF-EN/14.1B	SD-DAT2/15.2A	SD-DAT2/15.2A	SD-DAT2/15.2A
GPIO-FLASH-STR/15.1A	SD-DAT3/15.2A	SD-DAT3/15.2A	SD-DAT3/15.2A
GPIO-FLASH-EN/15.1A	VIB+/15.1D	VIB+/15.1D	VIB+/15.1D
GPIO-FLASH-INT/15.1A	VIB-/15.1D	VIB-/15.1D	VIB-/15.1D
GPIO-BATT-LID/15.1B	3V3/19.1D	3V3/19.1D	3V3/19.1D
SD-CMD/15.2A	2V5/13.3B	2V5/13.3B	2V5/13.3B
SD-CLK/15.2A	1V8/19.1D	1V8/19.1D	1V8/19.1D
SD-CD/15.2B	VBUS/18.1C	VBUS/18.1C	VBUS/18.1C
SD-VDD/15.2A	OTG-D-/3.1B	OTG-D-/3.1B	OTG-D-/3.1B
SD-DAT0/15.2B	OTG-D+/3.1B	OTG-D+/3.1B	OTG-D+/3.1B
SD-DAT1/15.2B	OTG-ID/2.2B	OTG-ID/2.2B	OTG-ID/2.2B
SD-DAT2/15.2A	VBUS-MODEM/6.3B	VBUS-MODEM/6.3B	VBUS-MODEM/6.3B
SD-DAT3/15.2A	USB-WWAN-D+/18.3A	USB-WWAN-D+/18.3A	USB-WWAN-D+/18.3A
VIB+/15.1D	USB-WWAN-D-/18.3A	USB-WWAN-D-/18.3A	USB-WWAN-D-/18.3A
VIB-/15.1D	2V7/8.4C	2V7/8.4C	2V7/8.4C
3V3/19.1D	GPIO-CAM-COVER/15.1B	GPIO-CAM-COVER/15.1B	GPIO-CAM-COVER/15.1B
2V5/13.3B	N\$38	N\$38	N\$38
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 must be optimized for final component placement
we might have to switch to 80 or 100 pin connectors



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B2B to UPPER

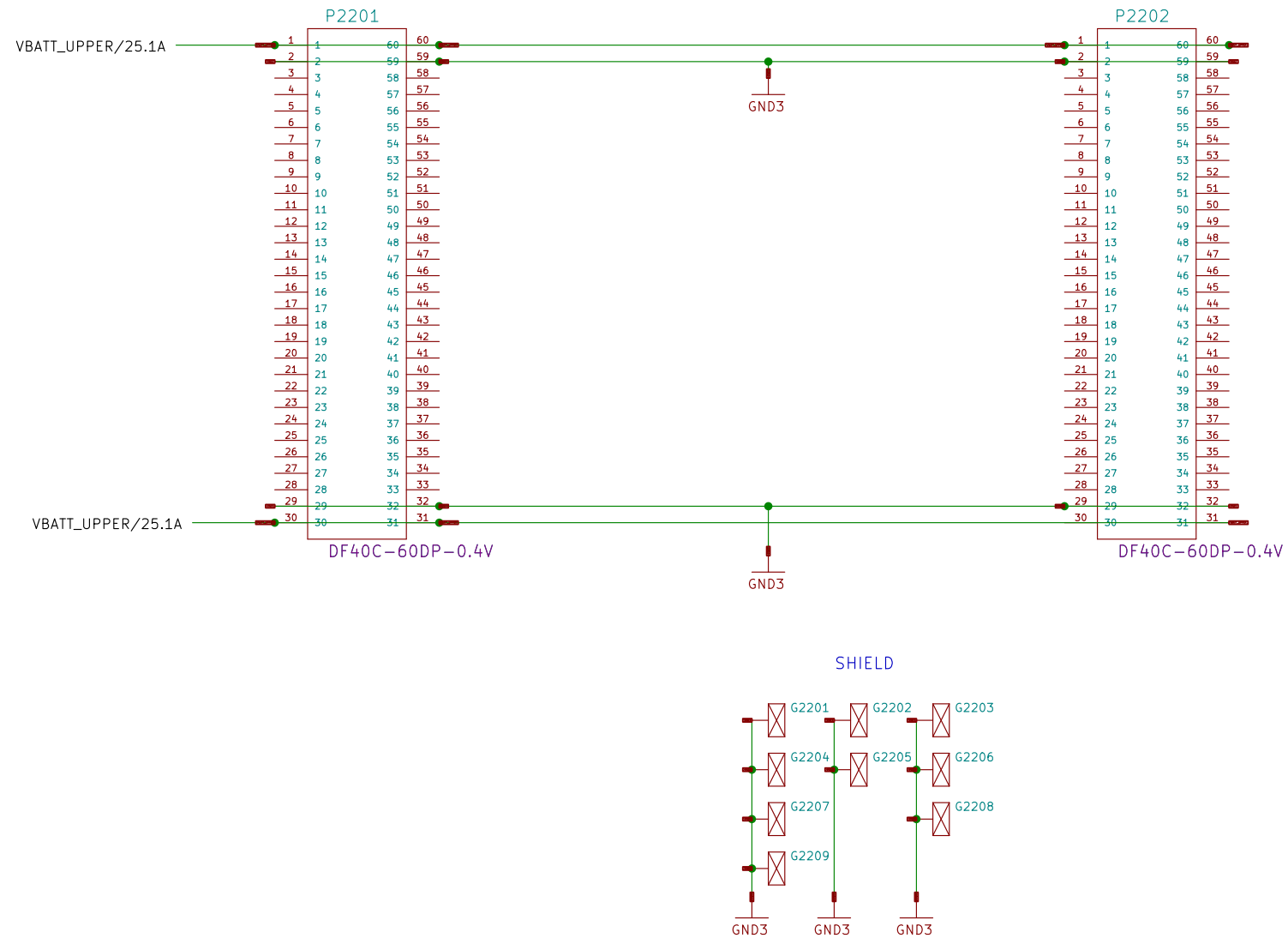
Sheet: /B2B to UPPER/
File: neo900_SS_20.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016 Rev: 1
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-21.06.ct

TODO: track B2B to UPPER


 to be adjusted to lower board connector



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B2B to LOWER

Sheet: /B2B to LOWER/
File: neo900_SS_22.sch

Title: neo900.sch

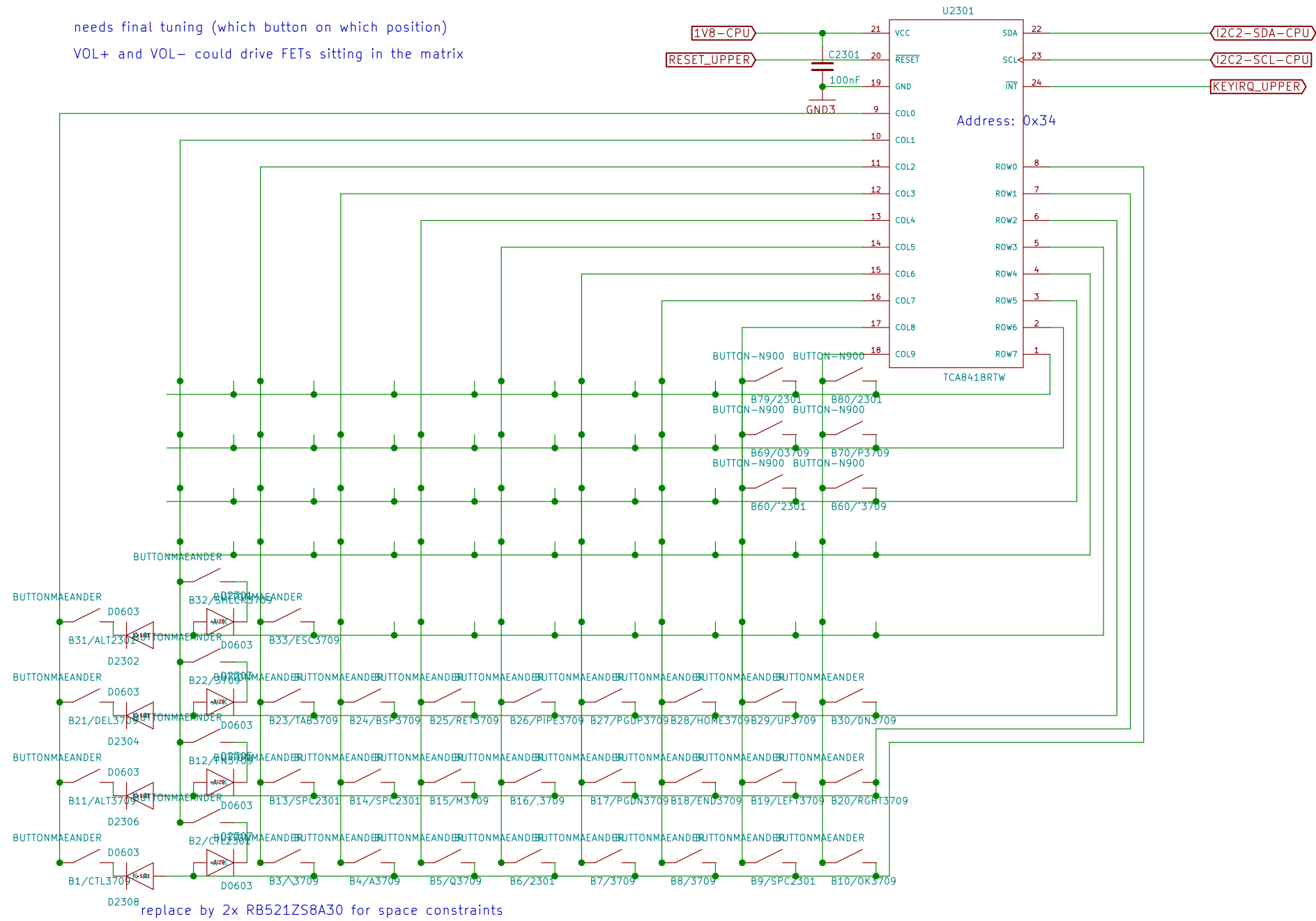
Size: A3 Date: 17 JUL 2016

Rev:

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-23.06.ct

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

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Keypad

Sheet: /Keypad/
File: neo900_SS_23.sch

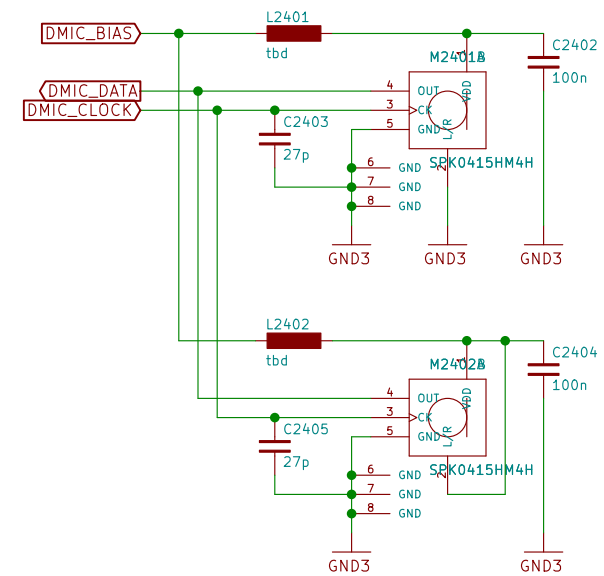
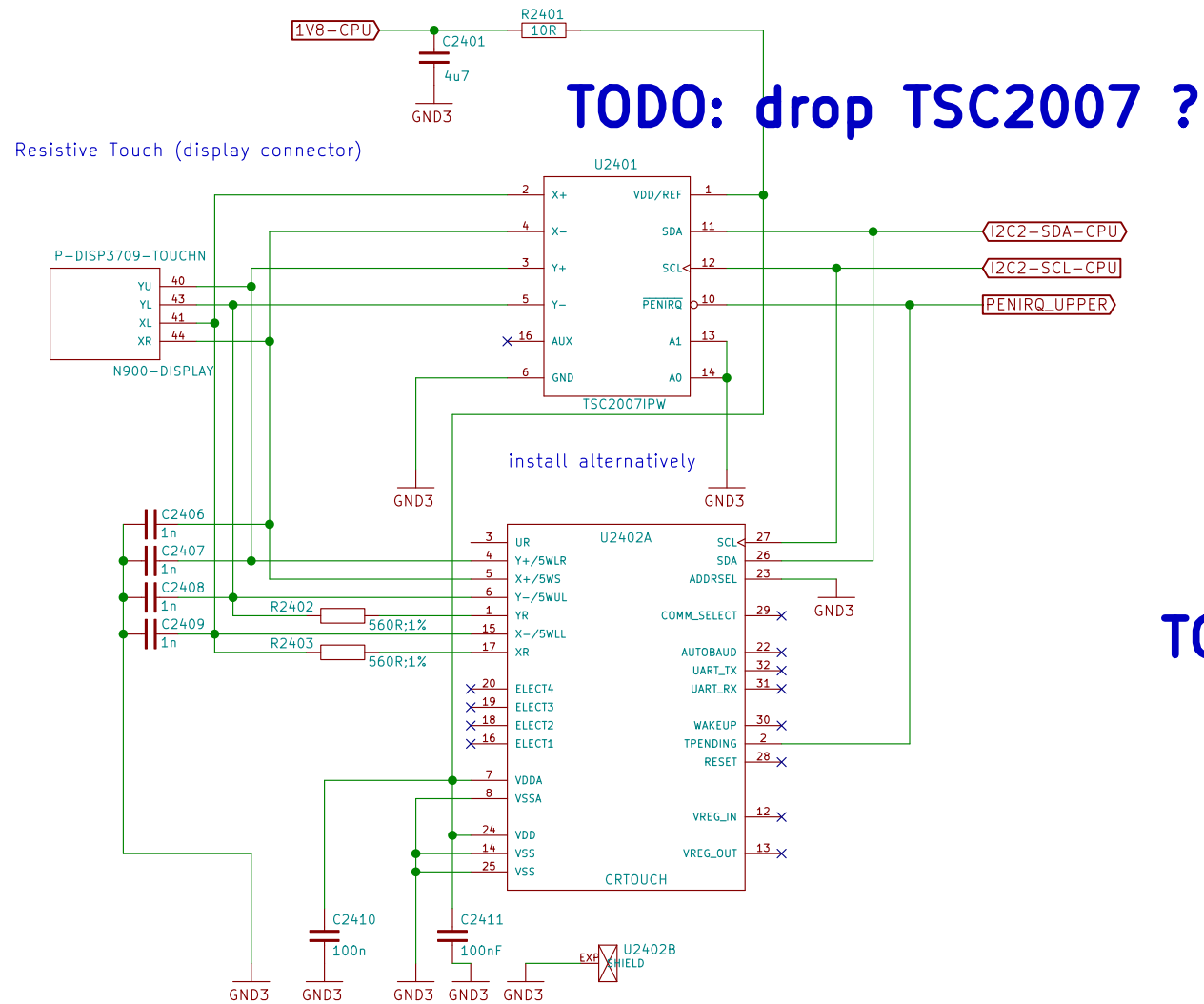
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Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04.1-24.03.ct

Rev:

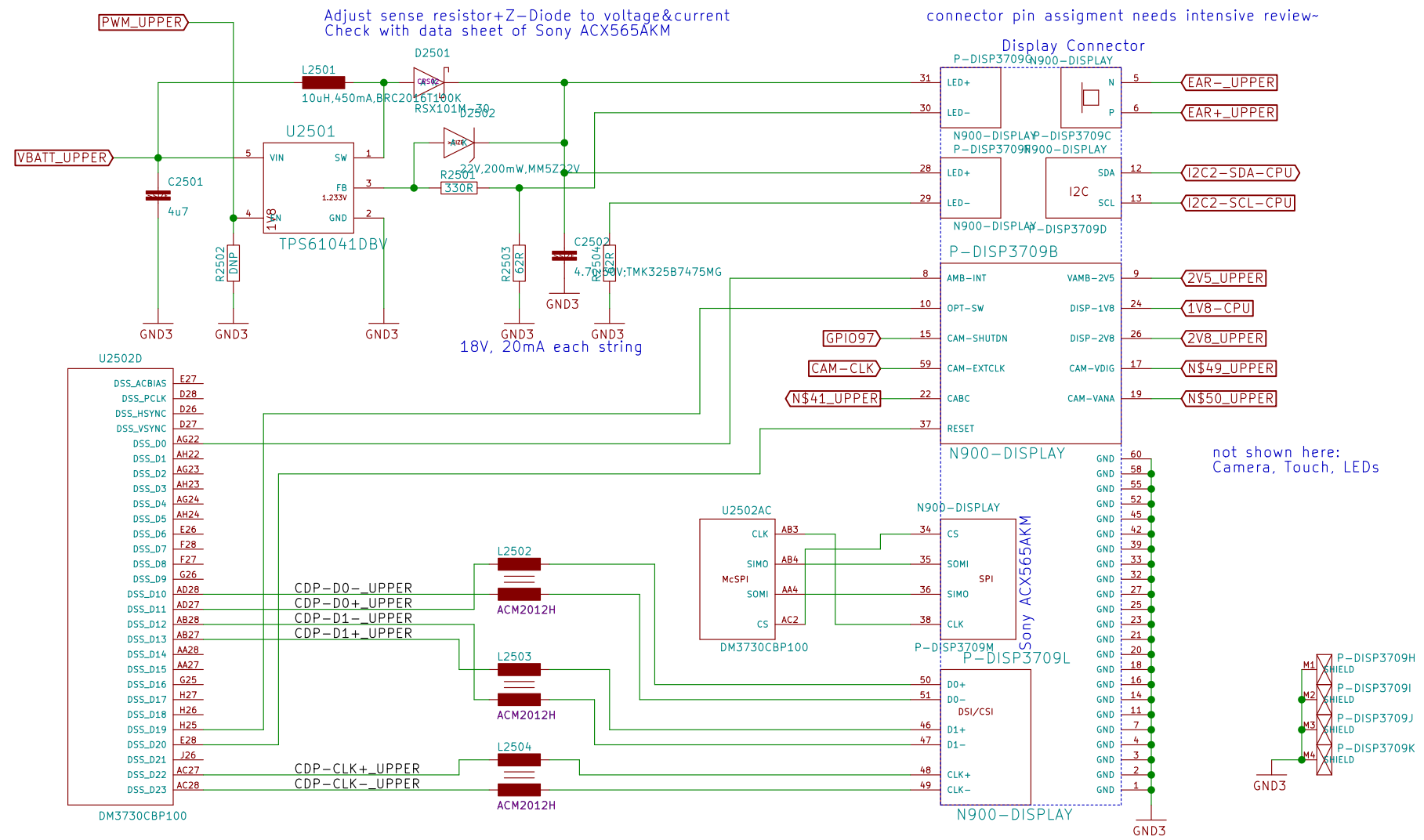
4.1.0



TODO: floating shield pins ?

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Display-Peripherals			
Sheet: /Display-Peripherals/ File: neo900_SS_24.sch			
Title: neo900.sch			
Size: A3	Date: 17 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		25 Oct	



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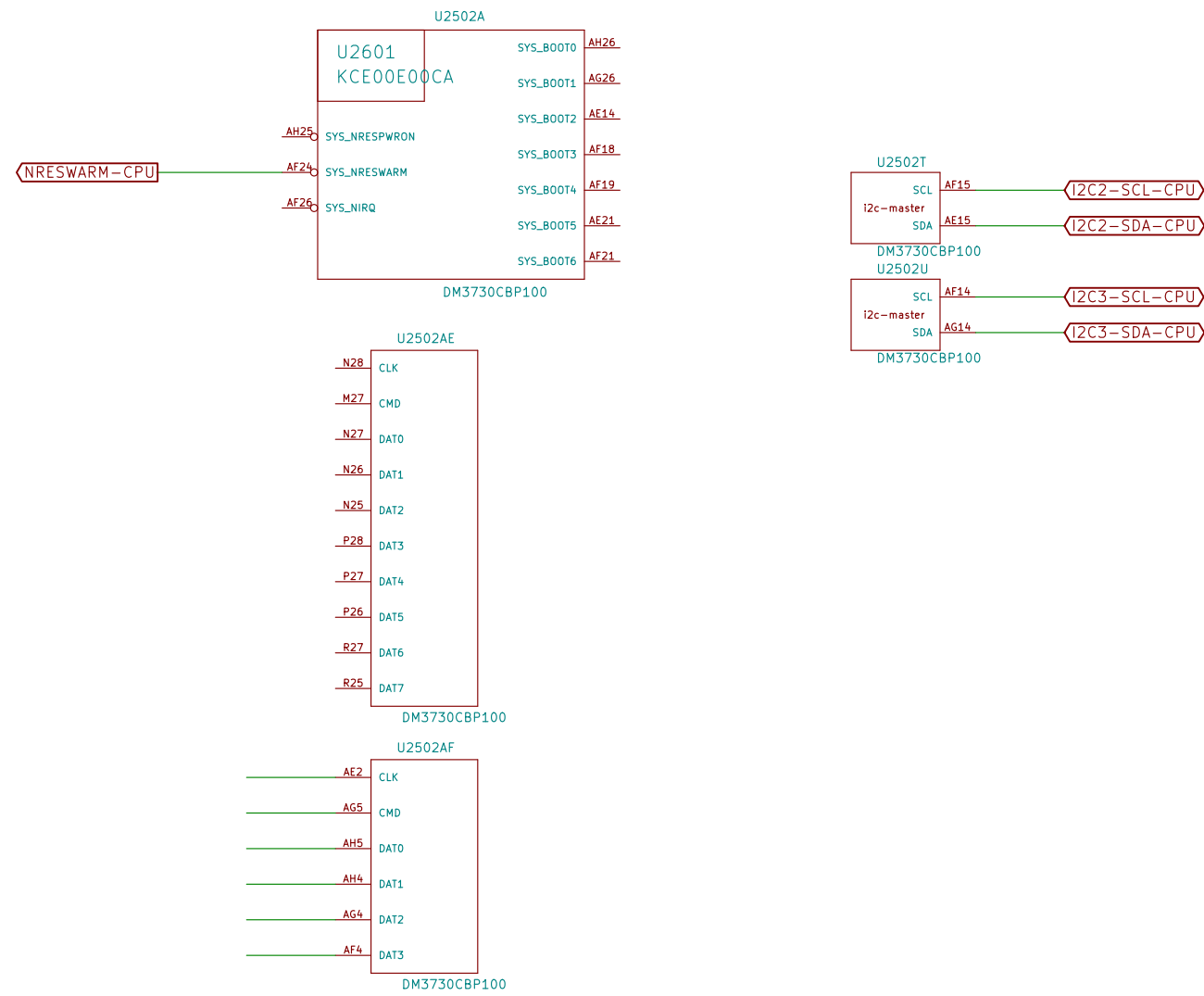
Display-Panel&Power

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

Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		26/08/2016

INCOMPLETE in V2



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CPU + PoP RAM/NAND

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

Title: neo900.sch

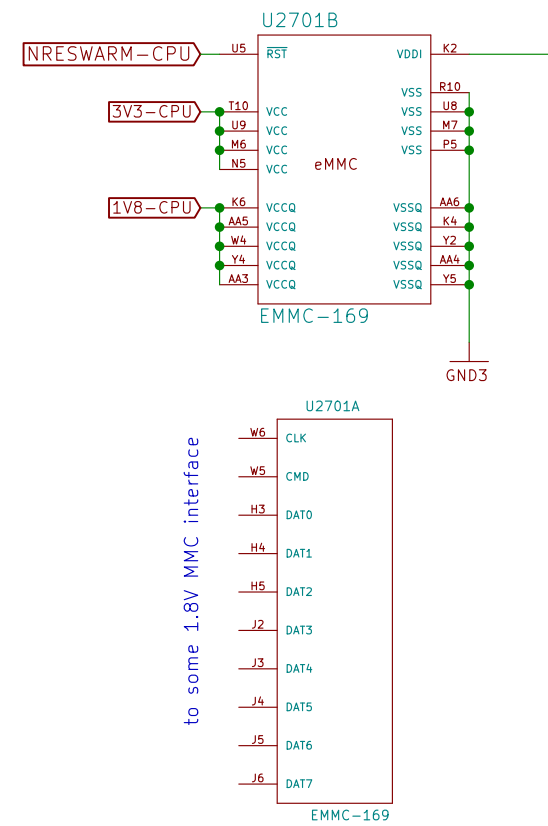
Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-27.06.ct

Rev:

1-27.06.ct

INCOMPLETE in V2

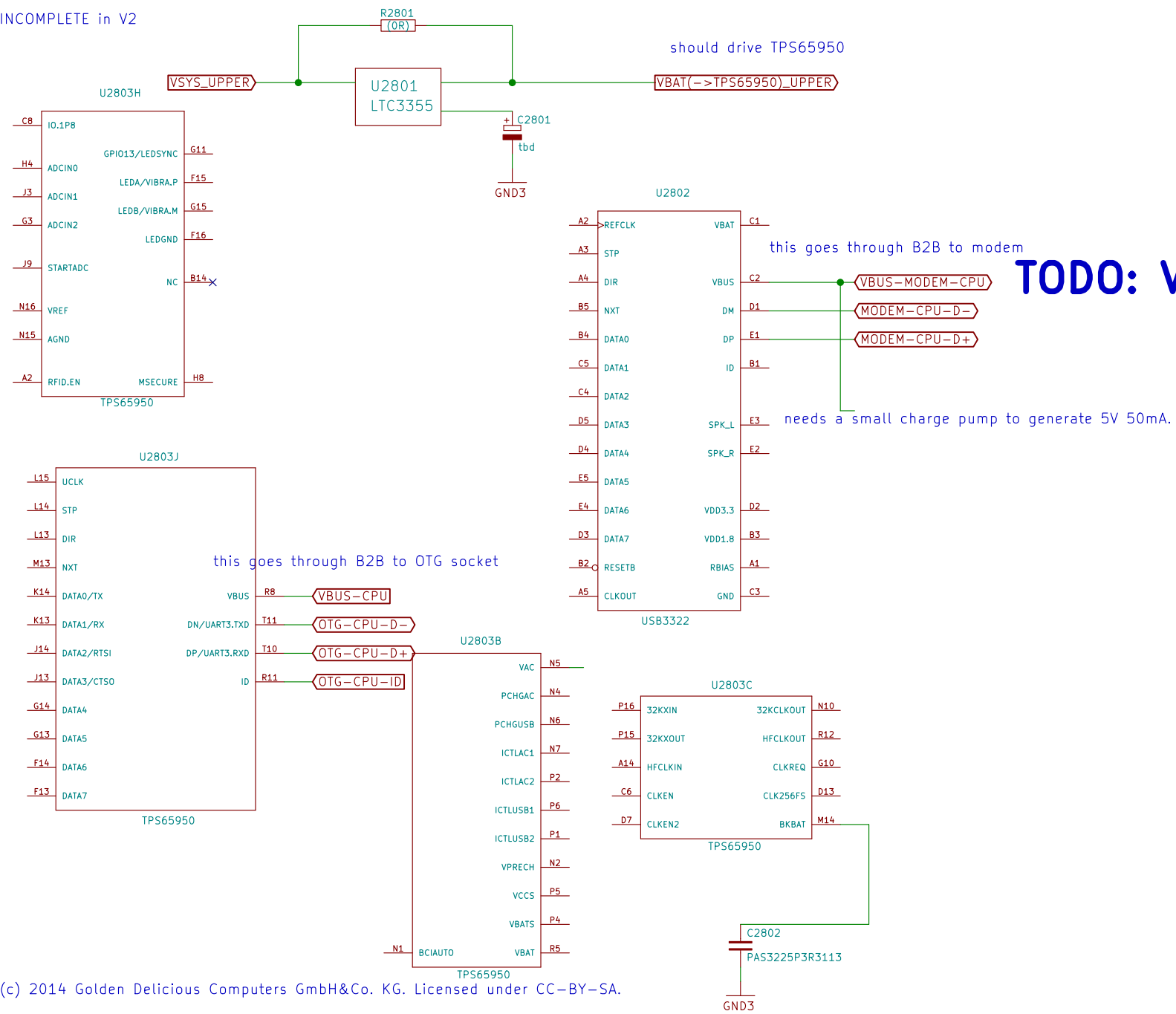


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eMMC	
Sheet: /eMMC/ File: neo900_SS_27.sch	
Title: neo900.sch	
Size: A3	Date: 17 JUL 2016
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04	Rev: 20160806

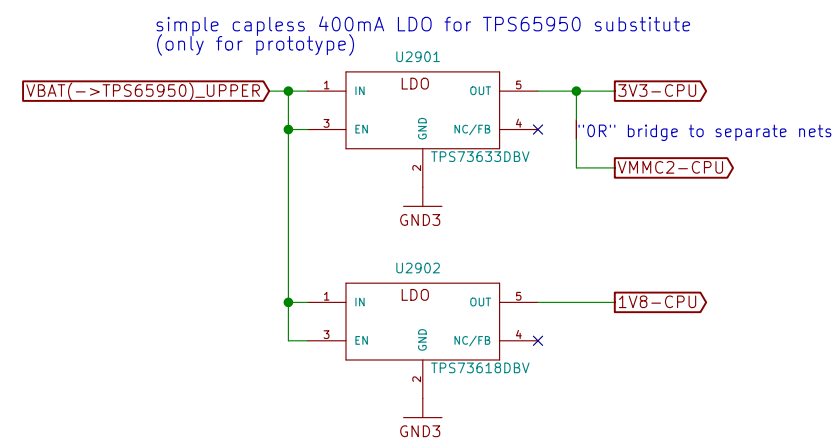
TODO: check role

INCOMPLETE in V2



TODO: VBUS-MODEM ?

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BB-XM Dummy (TWL4030)

Sheet: /BB-XM Dummy (TWL4030)/
File: neo900_SS_29.sch

Title: neo900.sch

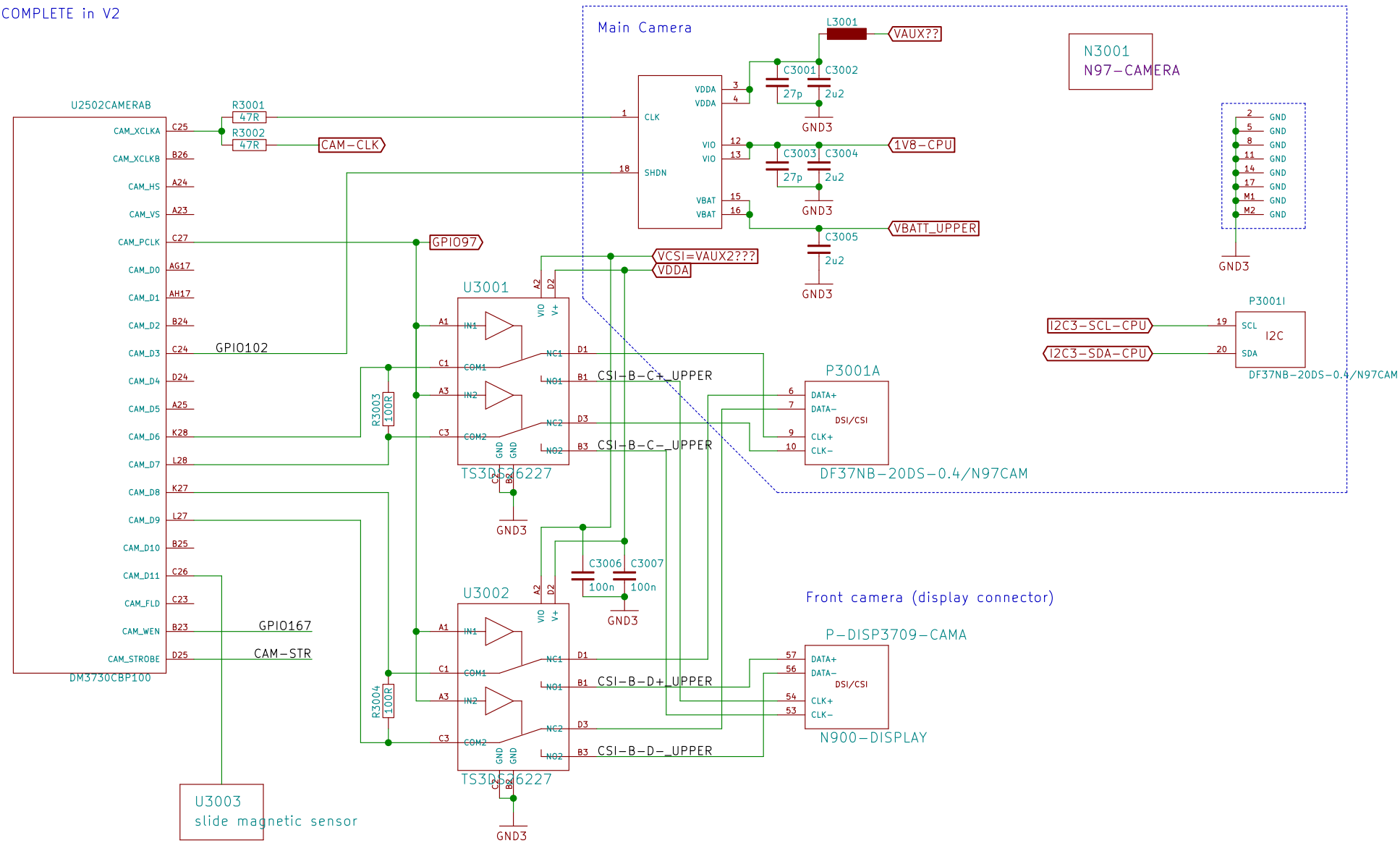
Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-1-30-06.ct

Rev:

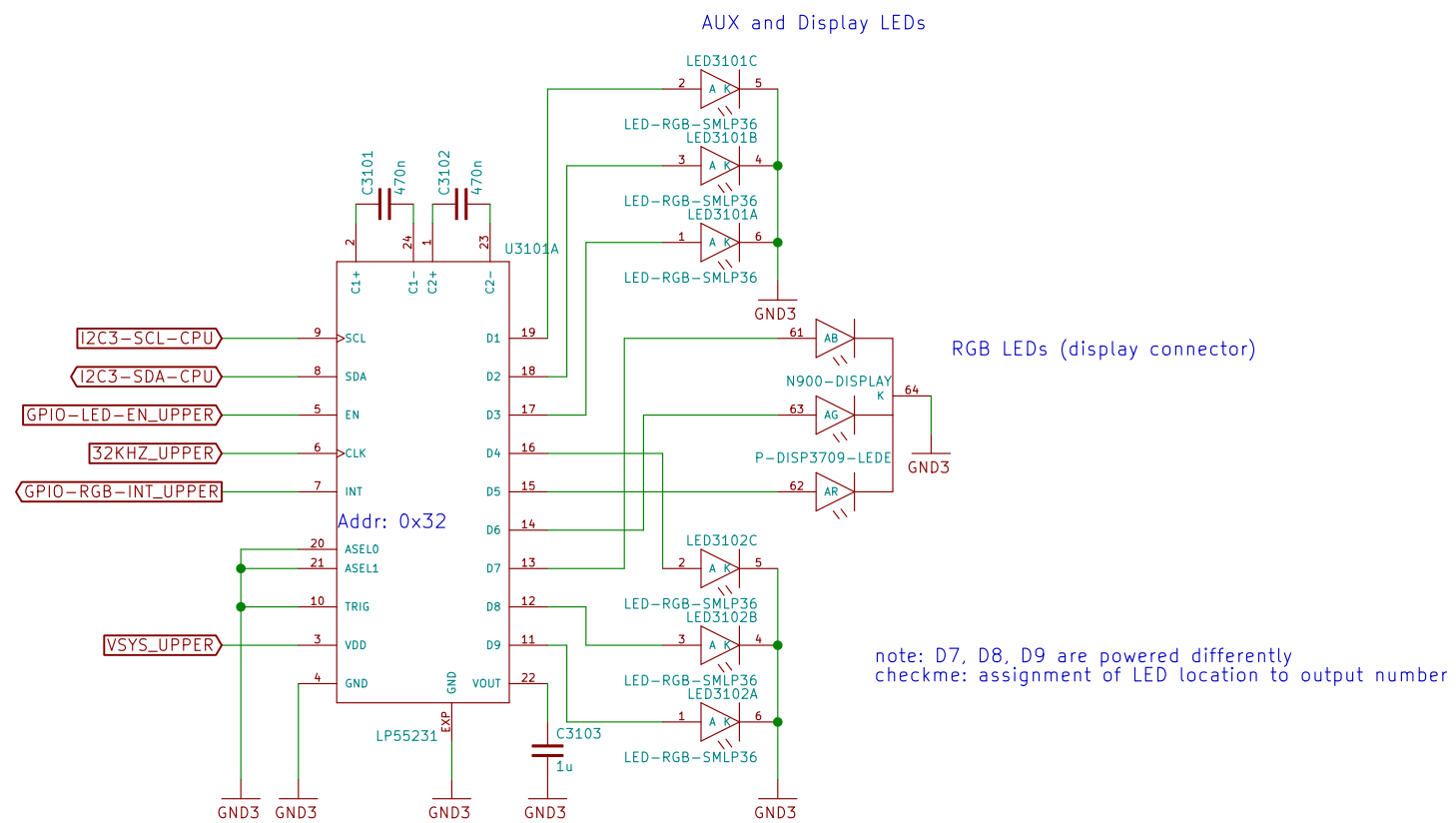
1.0

INCOMPLETE in V2



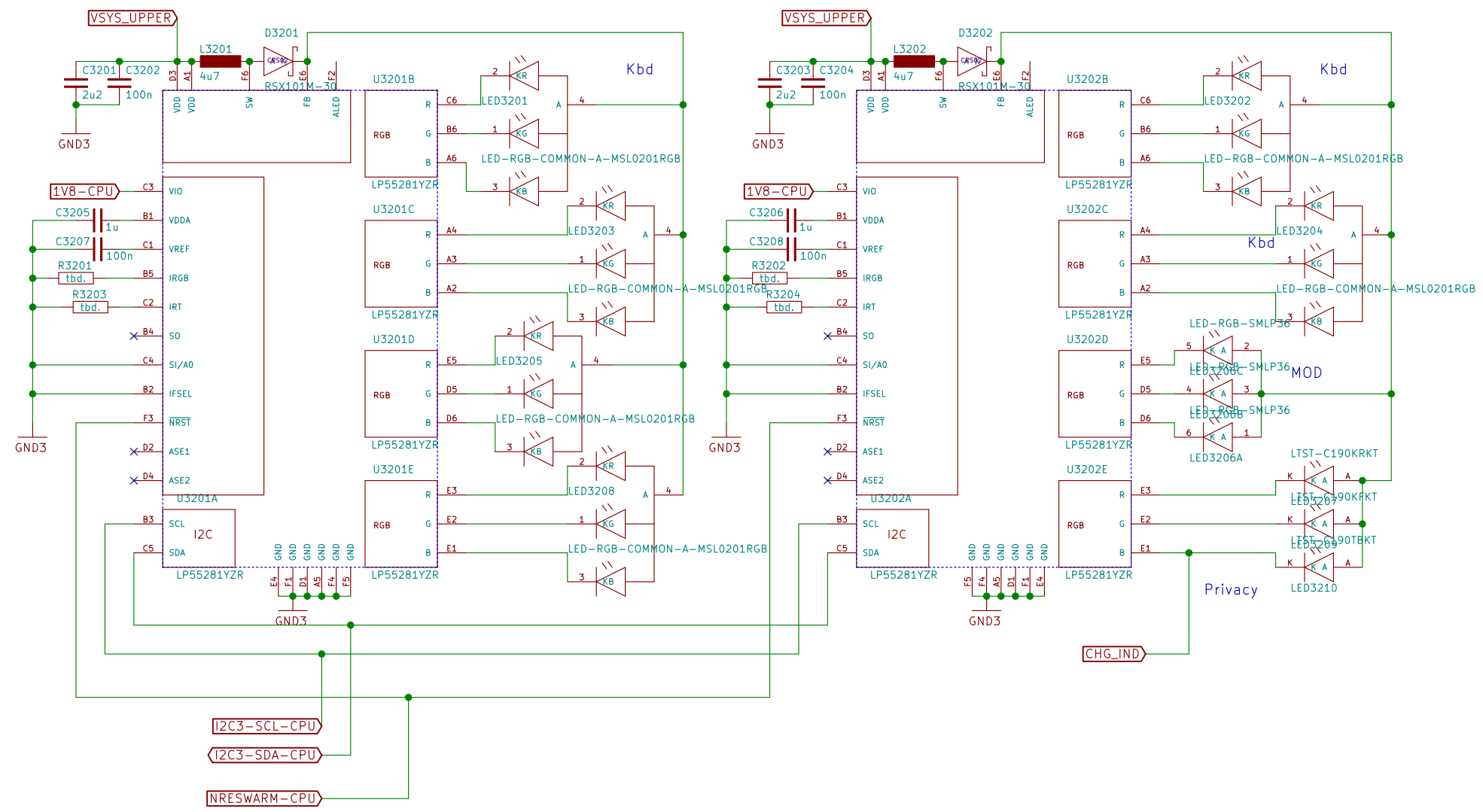
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Camera			
Sheet: /Camera/			
File: neo900_SS_30.sch			
Title: neo900.sch			
Size: A3	Date: 17 JUL 2016	Rev:	
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		11/18/16	



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LEDs		
Sheet: /LEDs/ File: neo900_SS_31.sch		
Title: neo900.sch		
Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1-32/36.ct



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Fancy LEDs

Sheet: /Fancy LEDs/
File: neo900_SS_32.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

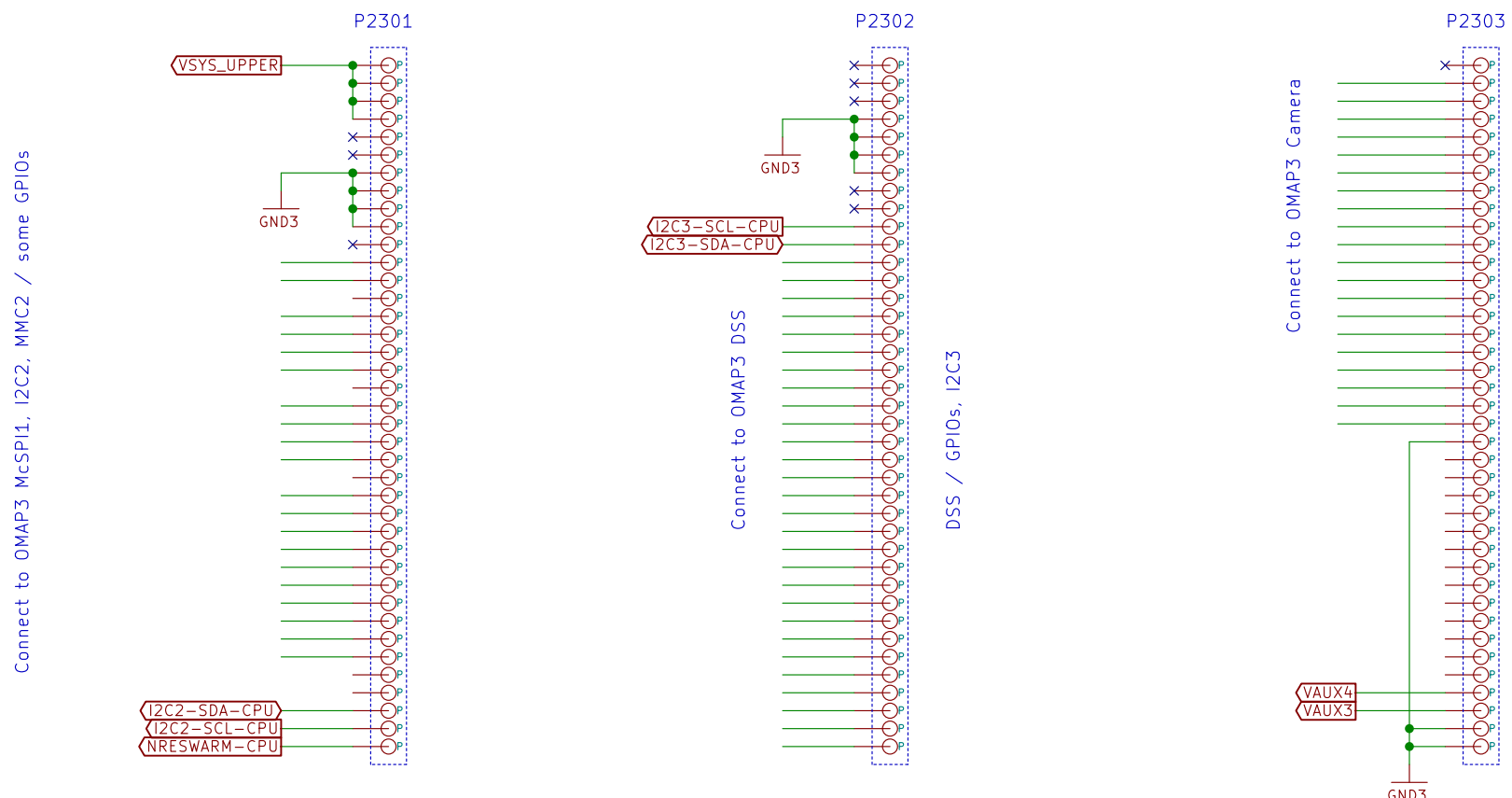
Rev:

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04.1-33.06.ct

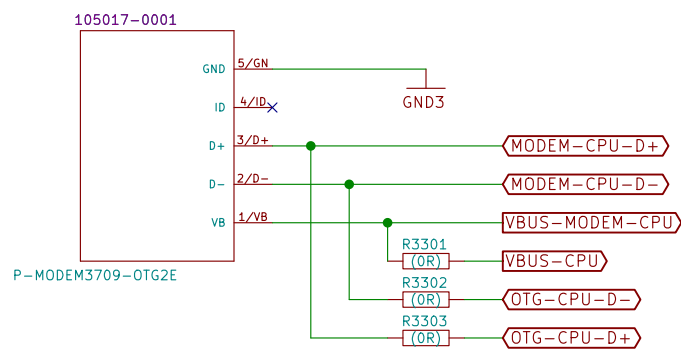
These connectors allow to "emulate" the DM3730 by connecting a BB-XM

INCOMPLETE
prototype only

connect to respective CPU-pads



connect to BB
by some Micro-USB cable



TODO: VBUS-MODEM ?

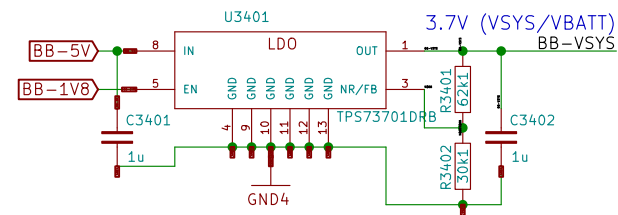
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Connector to BB-XM

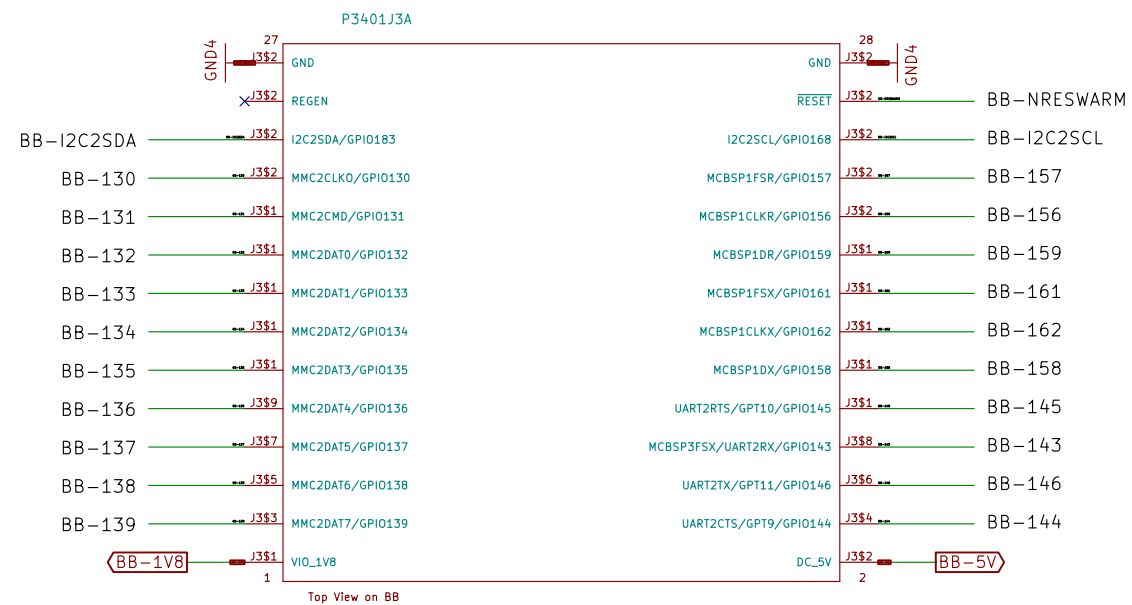
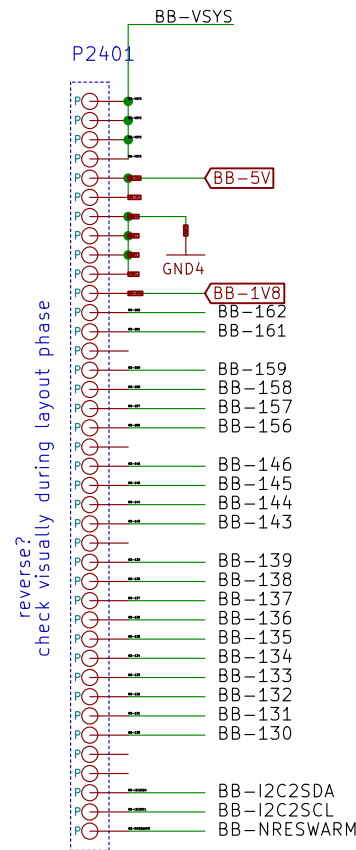
Sheet: /Connector to BB-XM/
File: neo900_SS_33.sch

Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1/1



Ersetzen durch 2A buck converter



BB-xM Main Expansion Header (7.24)

TODO: needs decision on where to take this

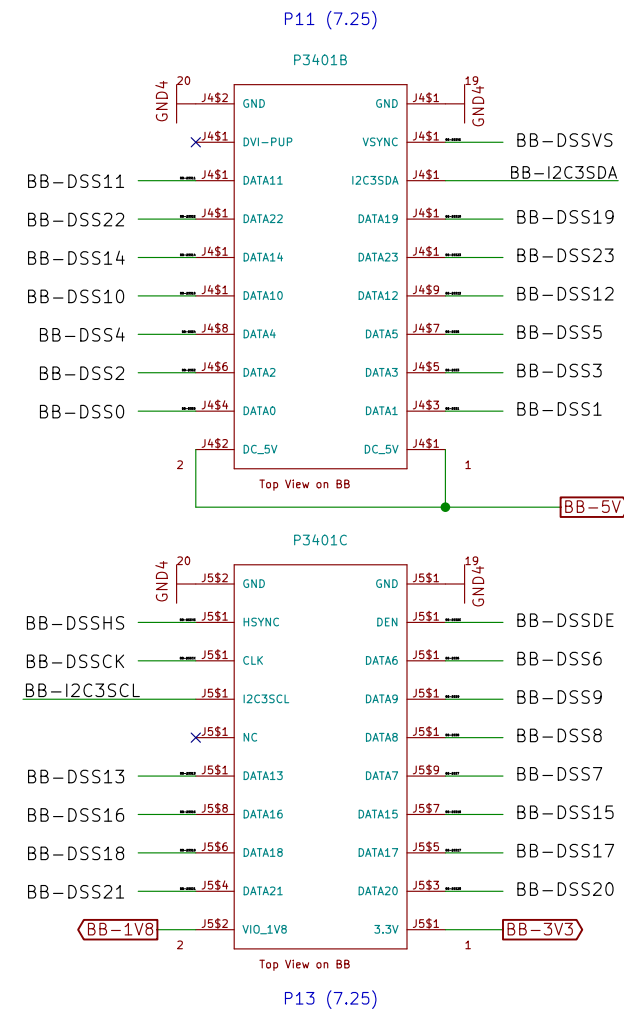
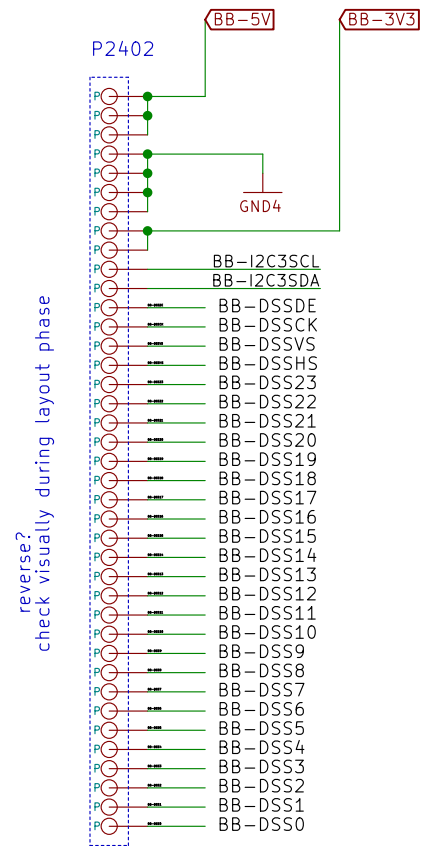
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BB-xM Adapter (CPU)

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

Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1-36/36.ct



TODO: needs decision on where to take this

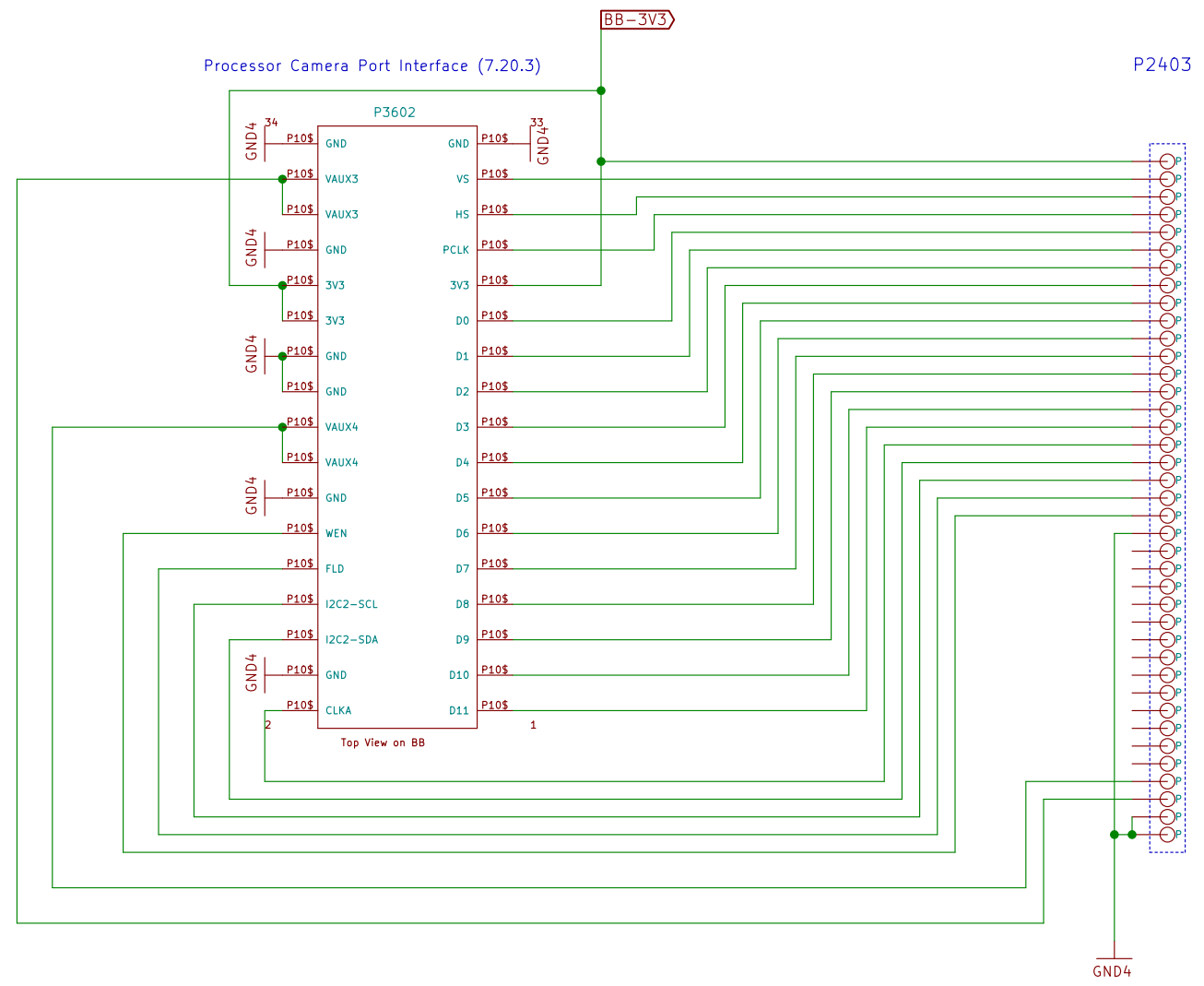
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BB-XM Adapter (DISP)

Sheet: /BB-XM Adapter (DISP)/
File: neo900_SS_35.sch

Title: neo900.sch

Size: A3 Date: 17 JUL 2016 Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-160808



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BB-XM Adapter (CAM)

Sheet: /BB-XM Adapter (CAM)/
File: neo900_SS_36.sch

Title: neo900.sch

Size: A3	Date: 17 JUL 2016	Rev:
KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04		1/1

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

N3701 15015-0439	N3702 15015-0439	N3703 15015-0439
CPU	DISP	CAM

N3704 N900 case assembly

N3705 N97-CAMERA-HOLE

N3706 headset jack

N3707 STENCIL-TOP

N3708 STENCIL-BOTTOM

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No-Solder Components

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

Title: neo900.sch

Size: A3 Date: 17 JUL 2016

KiCad E.D.A. eeschema 4.1.0-alpha+201607120318+697546ubuntu16.04-1p06ct **Rev:** 1.0