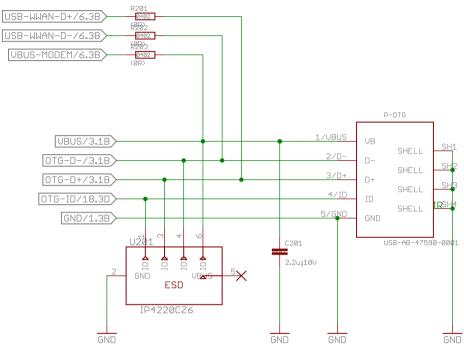


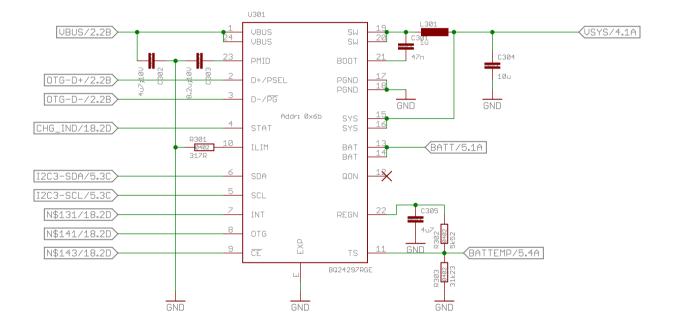
place in scan matrix? would need 3-4 wires to UPPER board instead of 2!
No. VOL+ or VOL- can either be connected to GPIOs
or drive two FETs that sit in the keyboard matrix
in any case it is sufficient to connect GPIO-VOL+ and VOL- to two pins on the B2B connector

Buttons		
TITLE: GTA04b7-jr-first-beautify		
Document Number:		REV: v2b
Date: 09.09.15 02:12	Sheet: 1	L/35

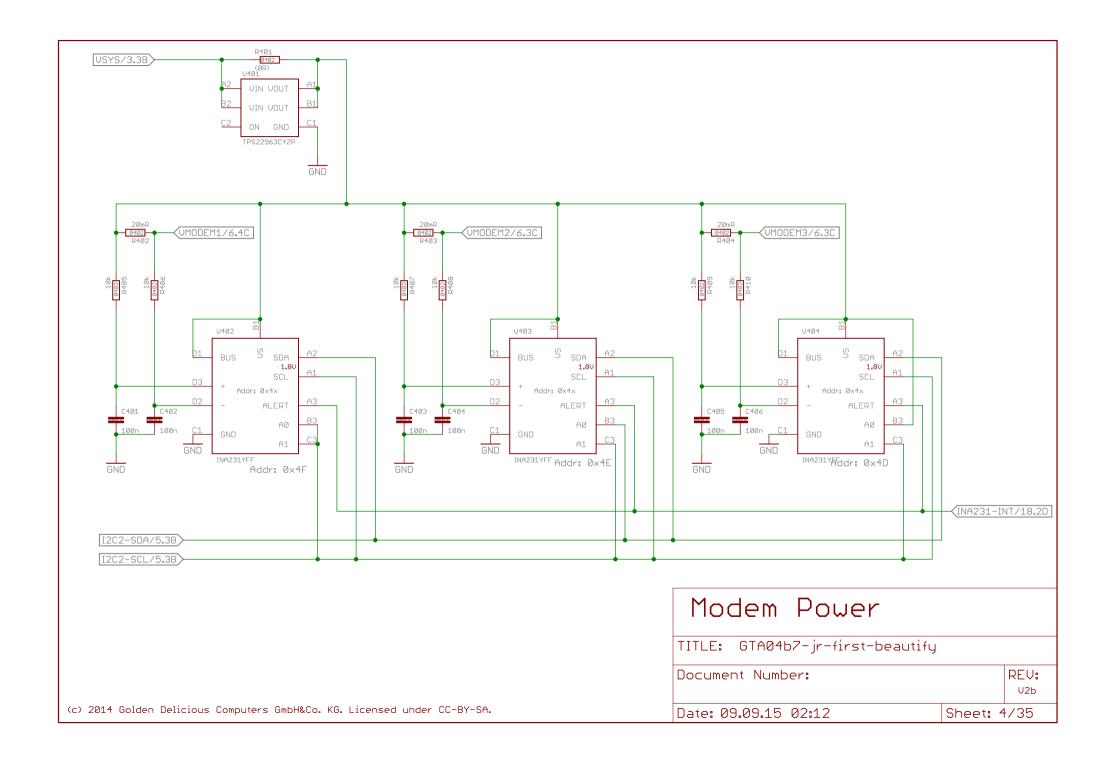


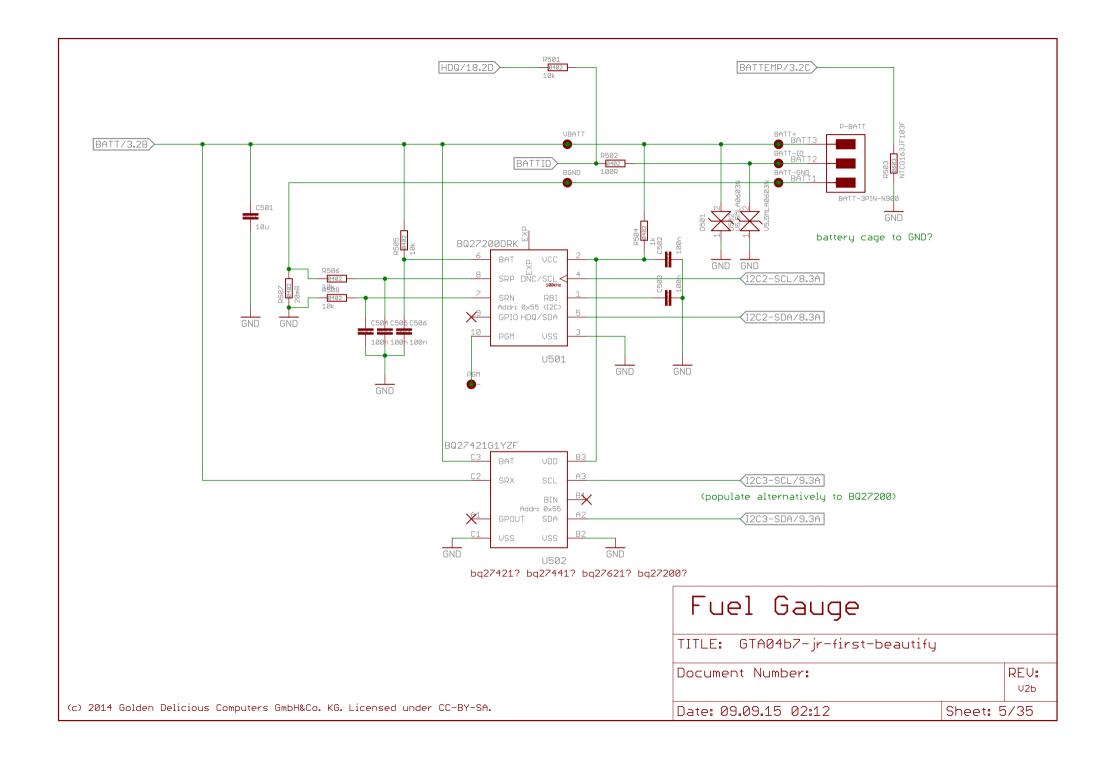


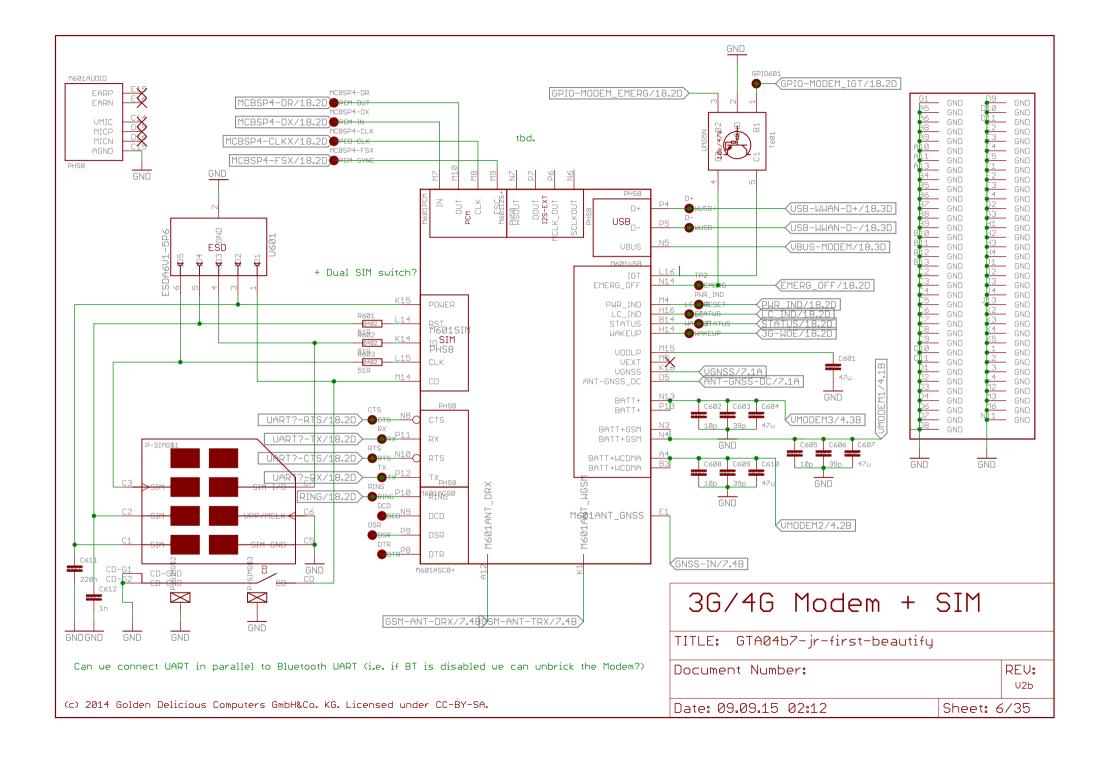
OTG		
TITLE: GTA04b7-jr-first-beautify		
Document Number:		REV: V2b
Date: 09.09.15 02:12	Sheet: 2	2/35

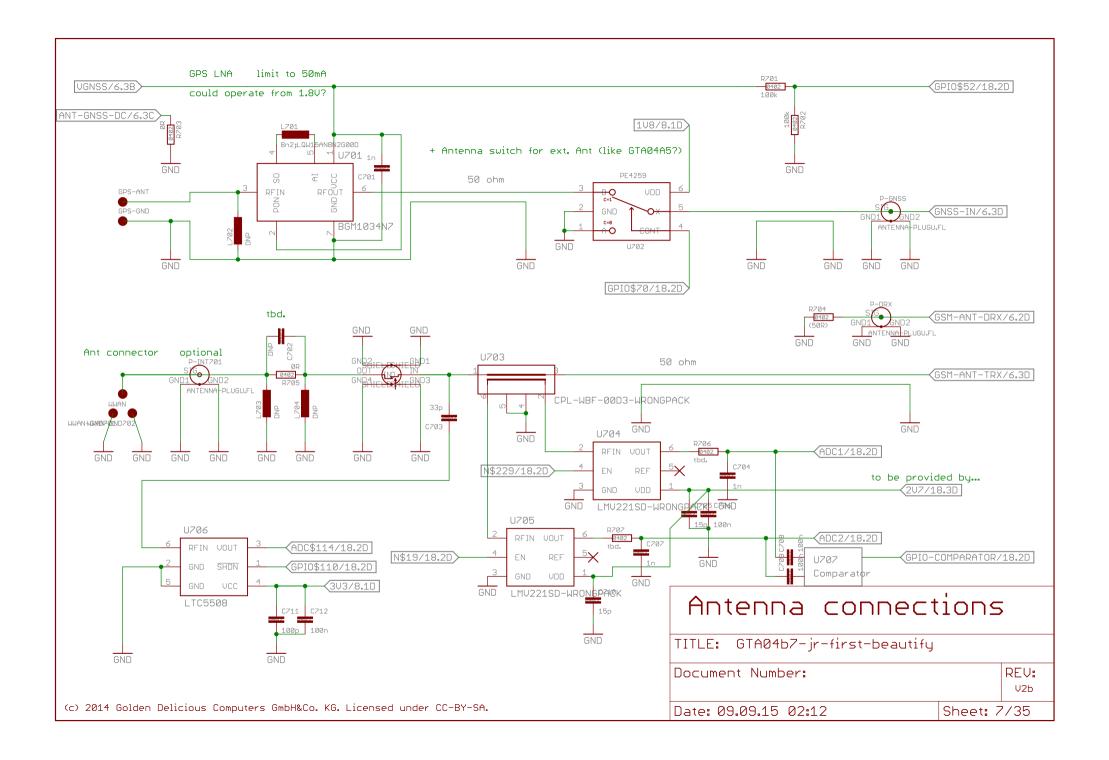


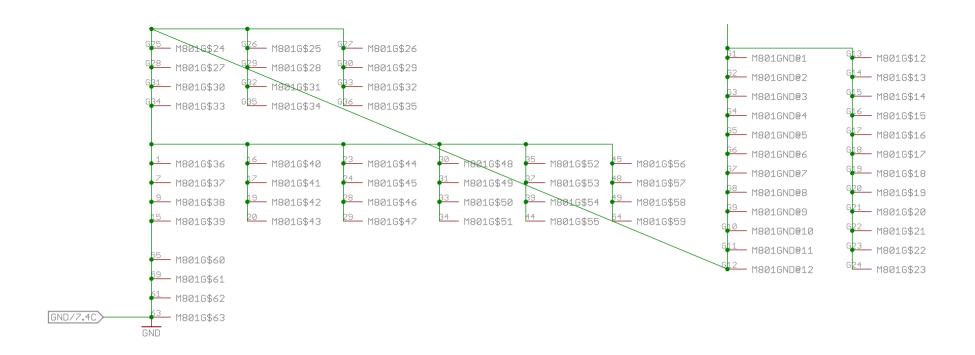
Charger/OTG-Booster TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b Date: 09.09.15 02:12 Sheet: 3/35

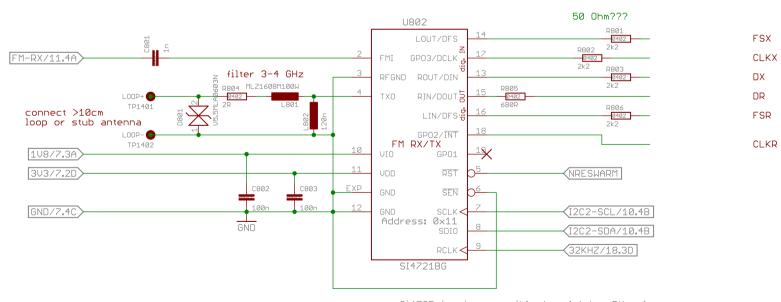




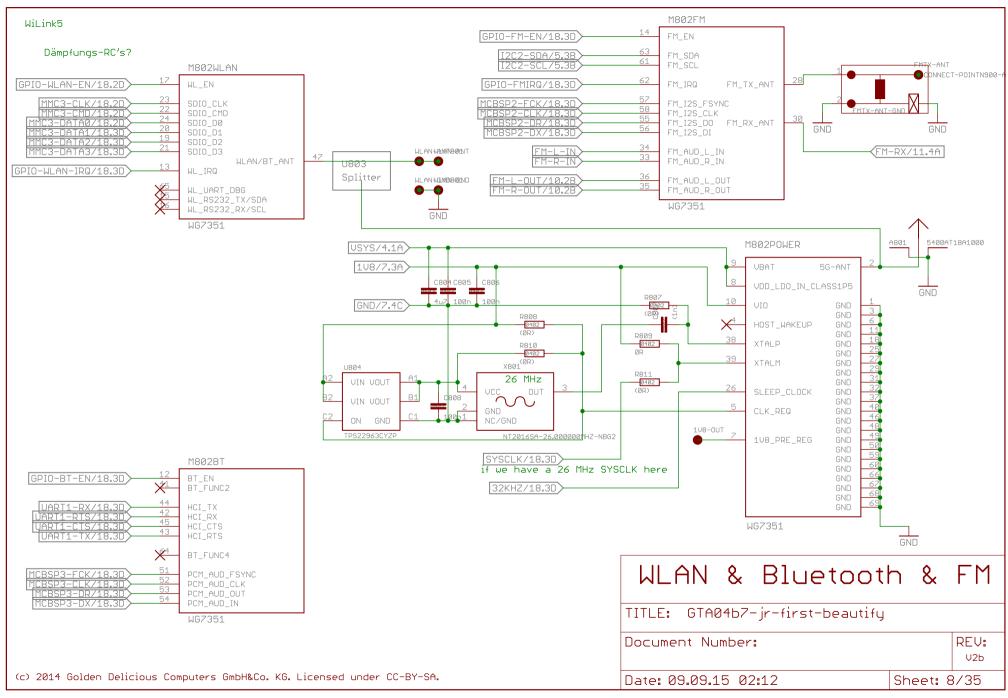


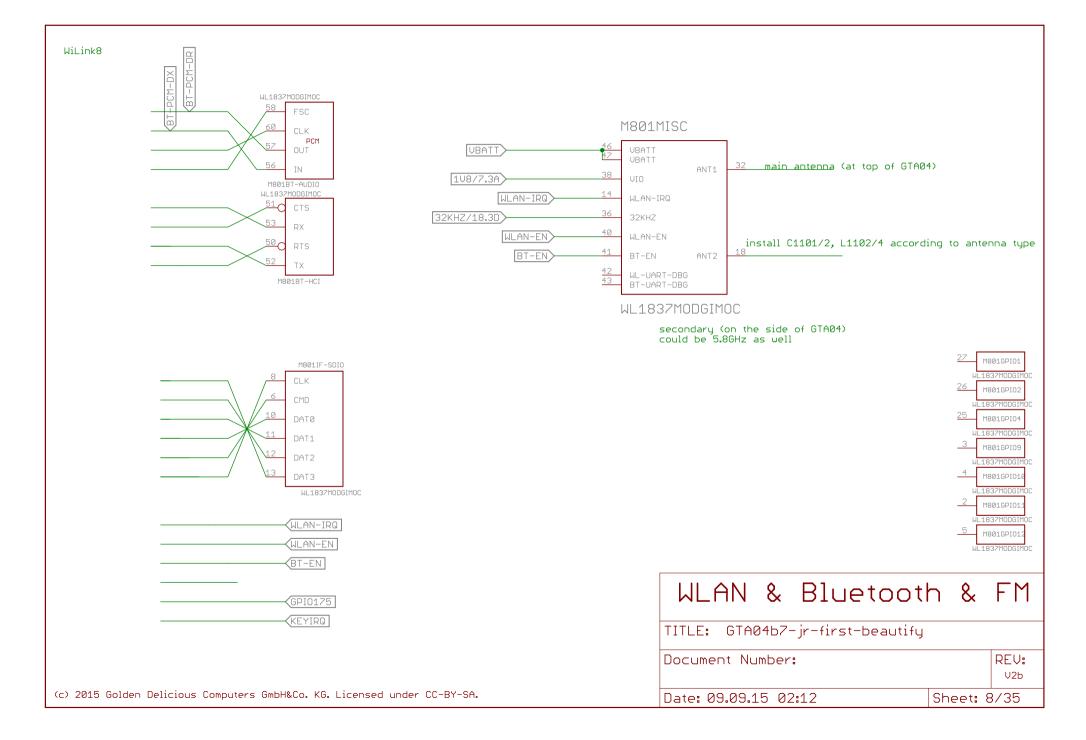




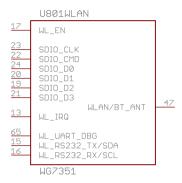


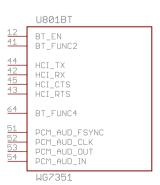
Si4705 is pin compatible (mostly) but RX-only

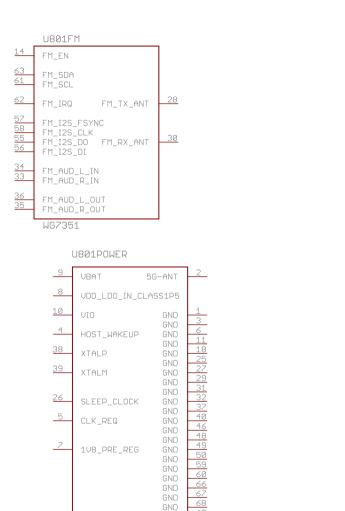












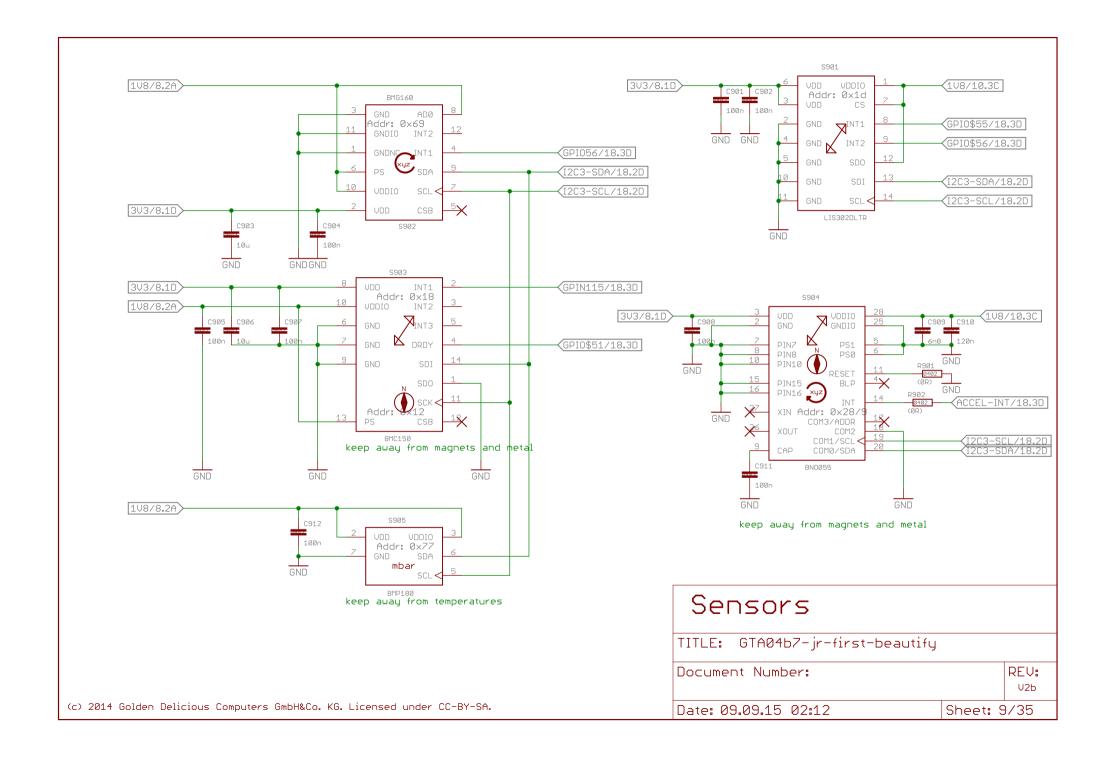
WLAN & Bluetooth & FM

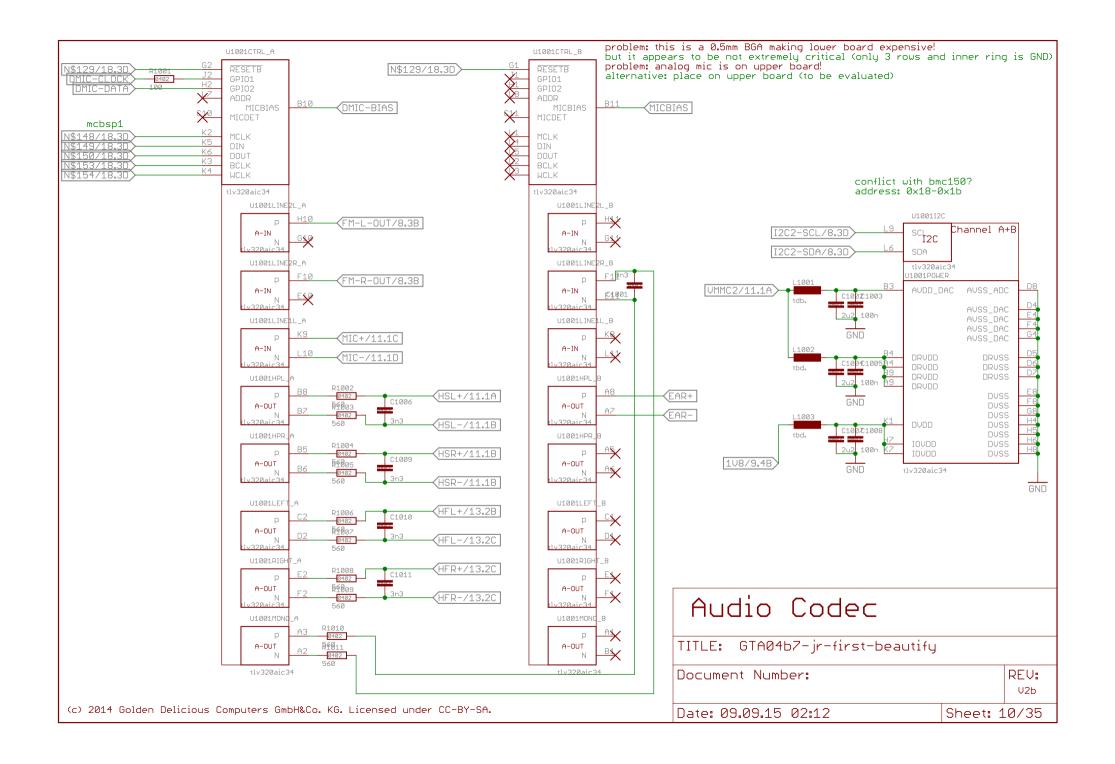
WG7351

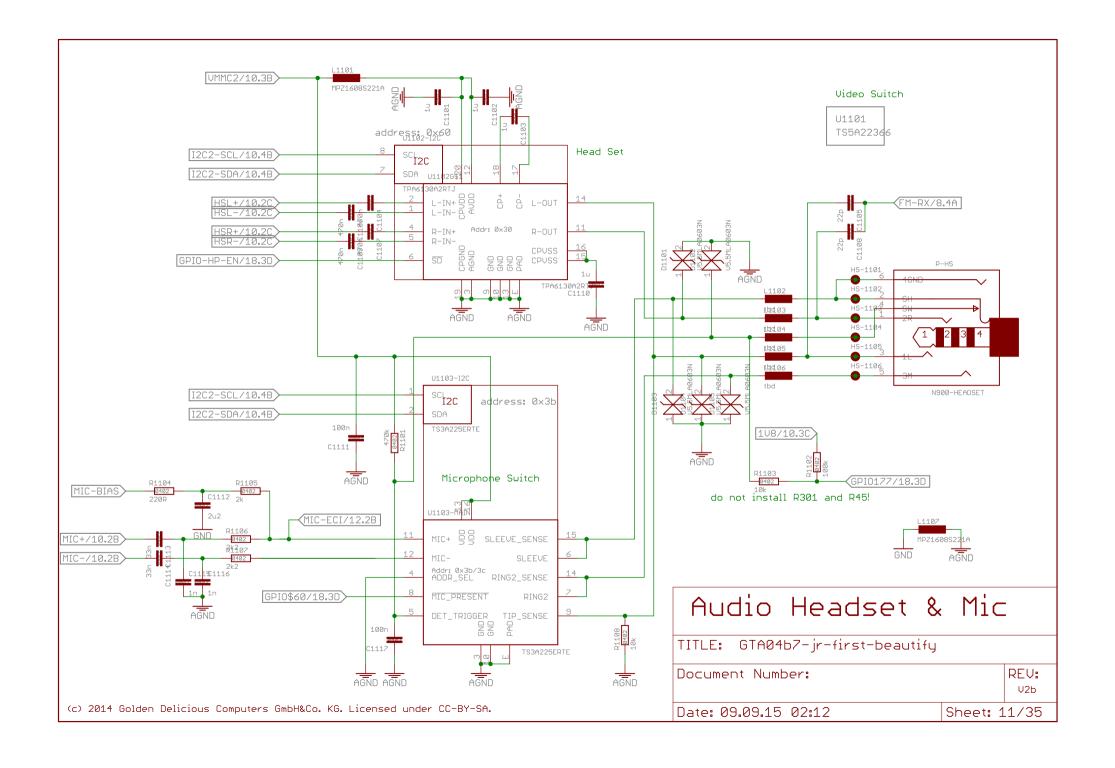
GND

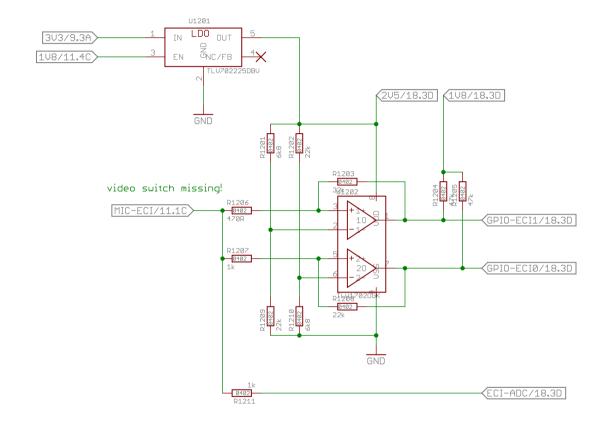
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Document Number: REV: V2b

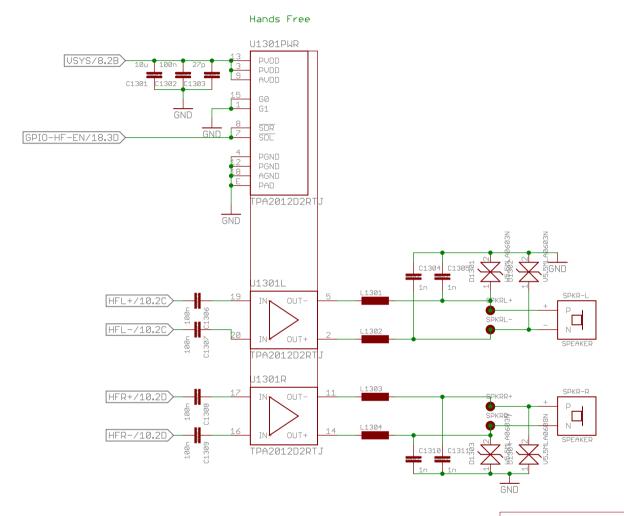








ECI TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b Date: 09.09.15 02:12 Sheet: 12/35



Audio Handsfree

TITLE: GTA04b7-jr-first-beautify

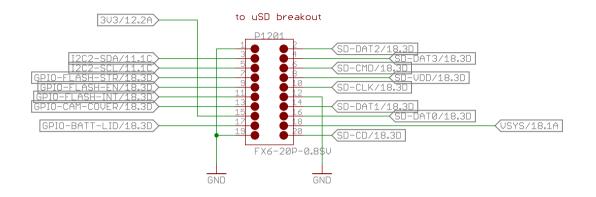
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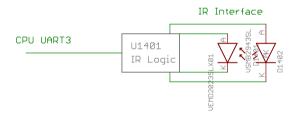
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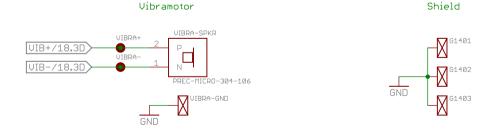
Date: 09.09.15 02:12

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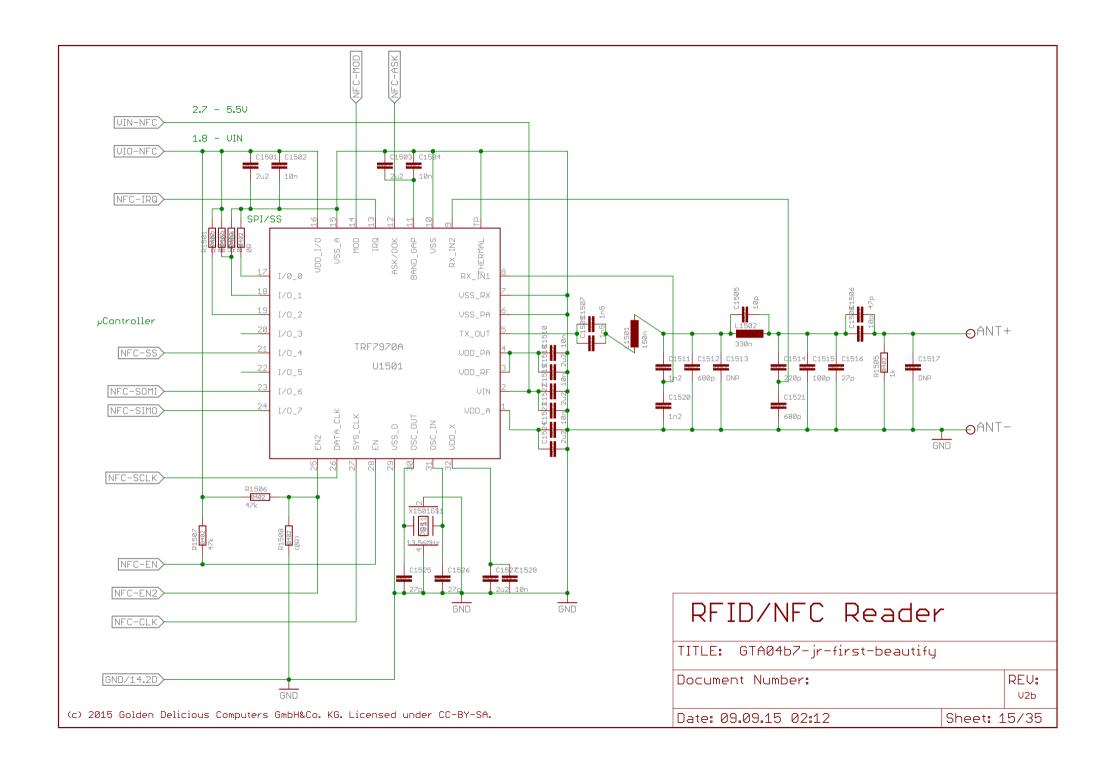
Hackerbus???



Misc (lower) TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b

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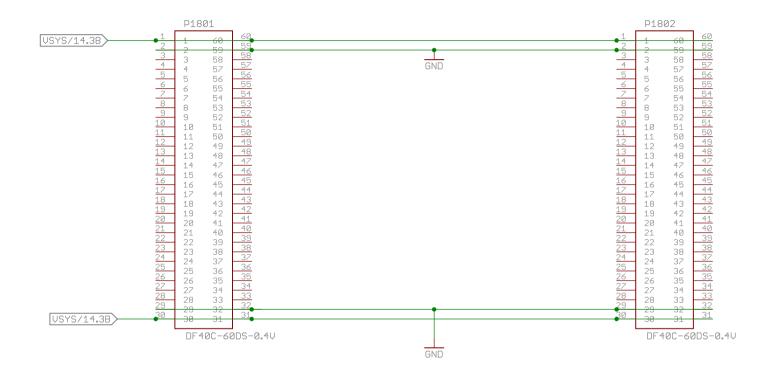


	Hackerbus	
	TITLE: GTA04b7-jr-first-beautify	
	Document Number:	REU: V2b
(c) 2015 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA.	Date: 09.09.15 02:12	Sheet: 16/35

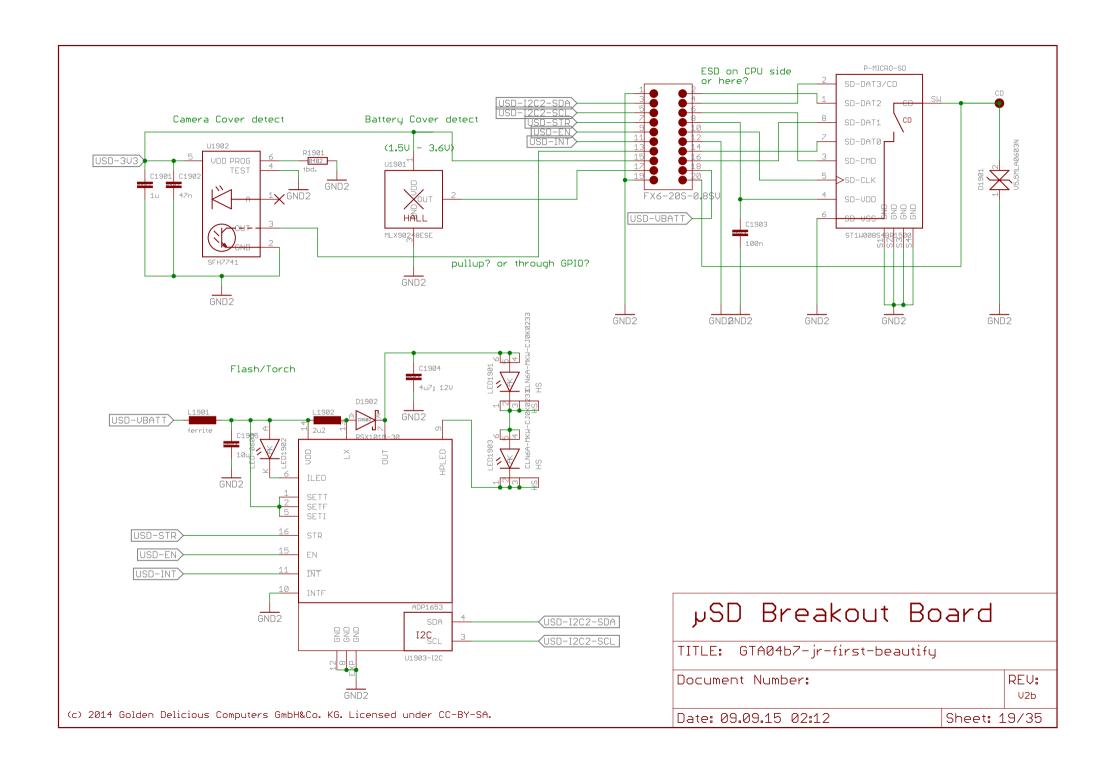
	Infrared	
	TITLE: GTA04b7-jr-first-beautify	
	Document Number:	REU:
(c) 2015 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA.	Date: 09.09.15 02:12	V2b Sheet: 17/35

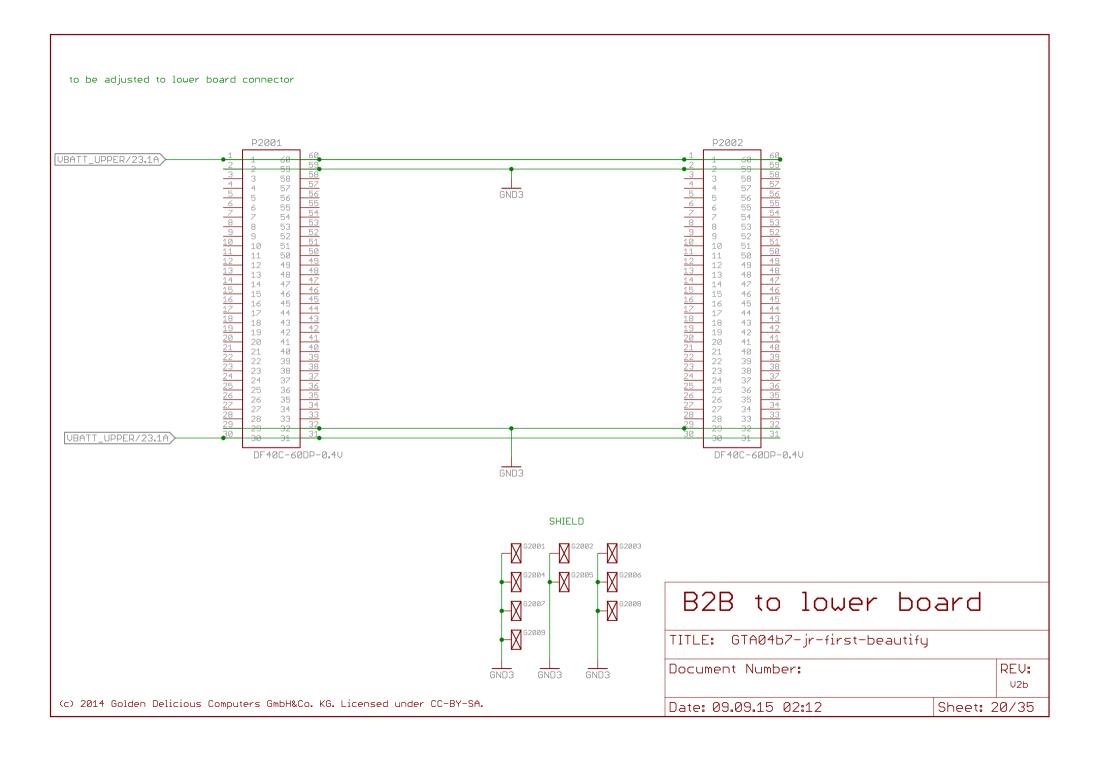
ca. 130 signals (to be counted exactly after definition of upper/lower split) MMC3-DATA1/8.1A MMC3-DATA2/8.1A MMC3-DATA3/8.1A GPIO-ULAN-IRQ/8.1A GPIO-BT-EN/8.1C UART1-RTS/8.10 JART1-CTS/8.1D UART1-TX/8,1D MCBSP3-FCK/8,1D MCBSP3-CLK/8,1D MCBSP3-DR/8,1D MCBSP3-DX/8,1D OCK-GPIO/1.2A POWERON/1.3A GPIO-VOL+/1.2B GPIO-VOL-/1.2B ŞYSCLK/8.3C 32KHZ/8.3D GPIO-FM-EN/8.3A GPIO-FMIRQ/8.3A MCBSP2-FCK/8.3A MCBSP2-CLK/8.3A CHG_IND/3.1B MCBSP2=DR/8.3A MCBSP2=DX/8.3A GPIN115/9.3B GPI056/9.3A GPI0\$51/9.3B N\$131/3.1C N\$141/3.1C N\$143/3.1C BATTEMP/5.4A GPIO-EN-MODEM 12C2-SDA/14.1A 12C2-SCL/14.1A 1NA231-INT/4.4C HDQ/5.2A GPI0\$55/9.4A GPI0\$56/9.4A CCEL-INT/9.4C N\$129/10.2A GPI0\$70/7.3B N\$148/10.1A N\$149/10.1A N\$150/10.1A N\$153/10.1A N\$154/10.1A PIQ**\$110/7.1**D N\$19/7.2D N\$29/7.3C)C\$114/7.1C ADC1/7.4C GPIO-ECI1/12.3B <u>GPIO-ECI0/12.3C</u> GPIO-COMPARATOR/7.4D MCBSP4-DR/6.2A MCBSP4-DX/6.2A MCBSP4-CLKX/6.2A ECI-ADC/12.3C UMMC2/11.1A IO-HP-EN/11.1B GPIO\$60/11.2D GPIO1ZZ/11.4C MCBSP4-FSX/6.2A UART?-RTS/6.2C UART?-CTS/6.2C UART?-RX/6.2C UART?-TX/6.2C UART?-TX/6.2C [RING/6.2C GPIO-HF-EN/13.1B.
GPIO-FLASH-STR/14.1A.
GPIO-FLASH-EN/14.1A.
GPIO-FLASH-INI/14.1A.
GPIO-BATT-LID/14.1B. SD-CMD/14.2A SD-CLK/14.2A SD-CD/14.2B SD-UDD/14.2A GPIO-MODEM IGT/6.36 GPIO-MODEM EMERG/6.3A EMERG OFF/6.3B PWR IND/6.3B ILC IND/6.3B SD-DAT0/14.2B SD-DAT1/14.2B STATUS/6.3B 3G-W0F/6,3B GPIO\$52/7,4A GPIO-WLAN-EN/8,1A MMC3-CLK/8,1A MMC3-CMD/8,1A SD-DAT2/14.2A SD-DAT3/14.2A VIB+/14.1D VIB-/14.1D 3V3/14.1A MMC3-DATA0/8.1A 2V5/12.3B OTG-ID/2.2B UBUS-MODEM/6.3B USB-WWAN-D+/6.3B USB-WWAN-D-/6.3B USB-WWAN-D-/6.3B GPIO-CAM-COVER/14.1B N\$38)

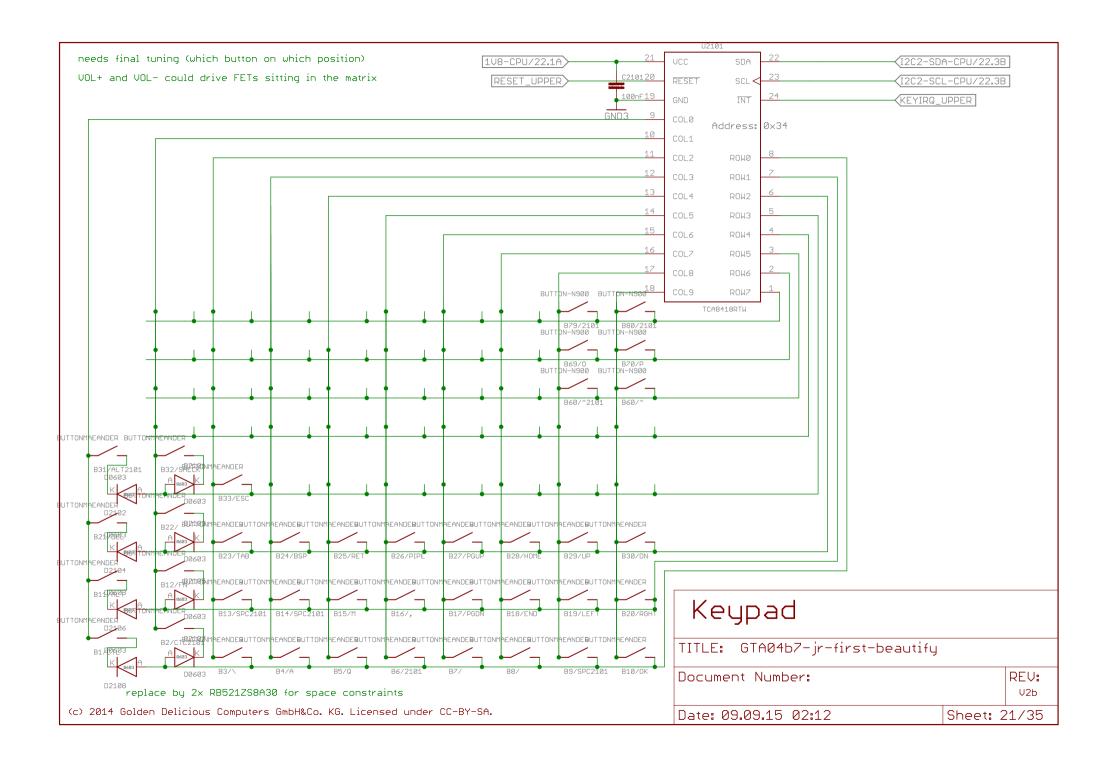
Pin assignment musr be optimized for final component placement we might have to switch to $80\ \mathrm{or}\ 100\ \mathrm{pin}\ \mathrm{connectors}$

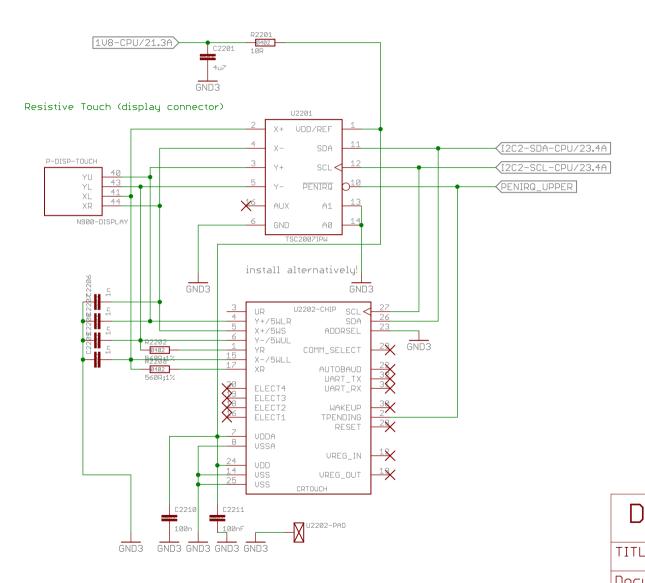


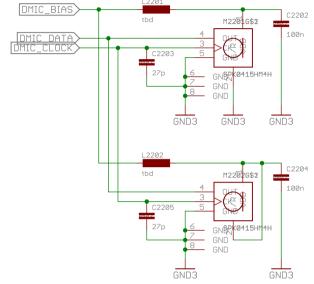
B2B 1	to	upper	ЬС	ard	
TITLE: GTA	04b7	-jr-first-bea	utify		
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					REU: V2b
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Display-Peripherals

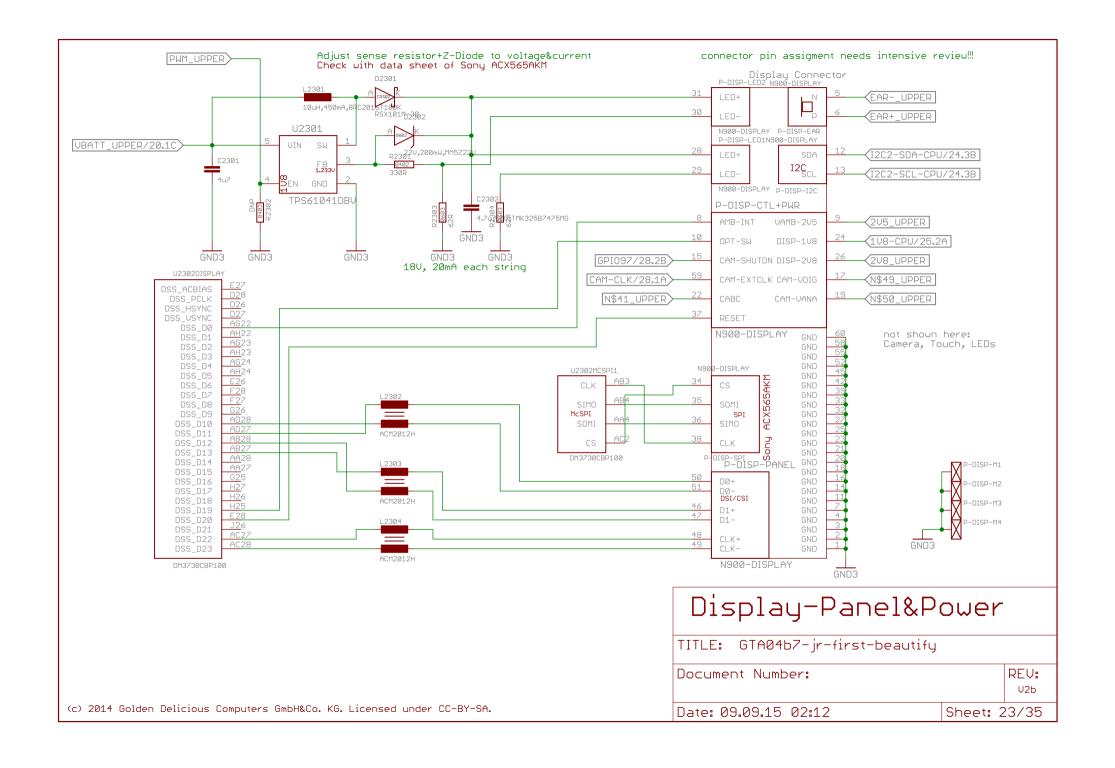
TITLE: GTA04b7-jr-first-beautify

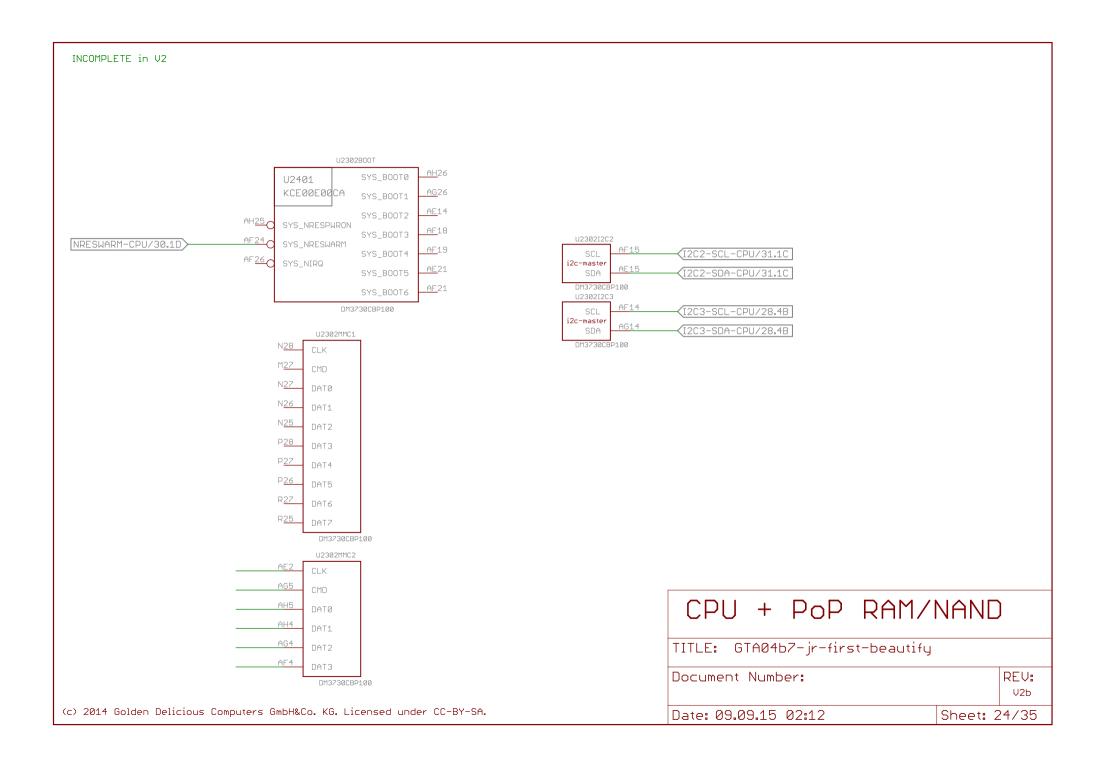
Document Number:

REV: V2b

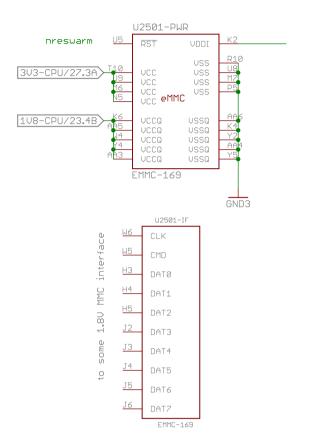
Date: 09.09.15 02:12

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eMMC

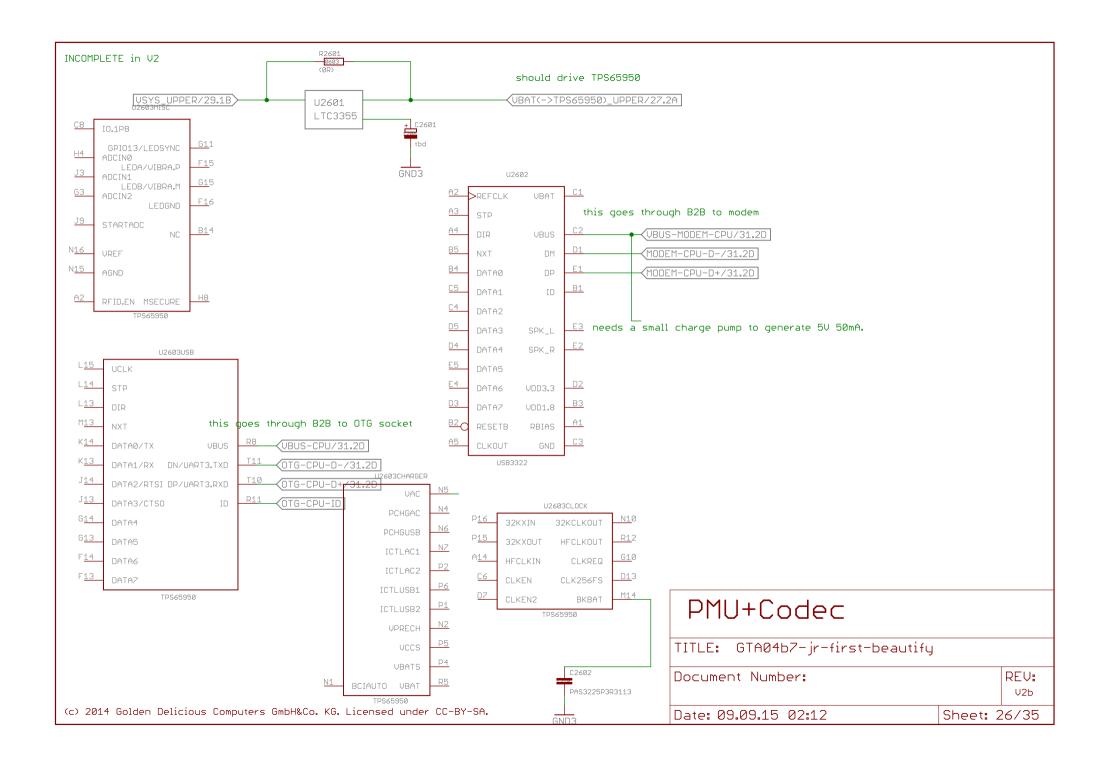
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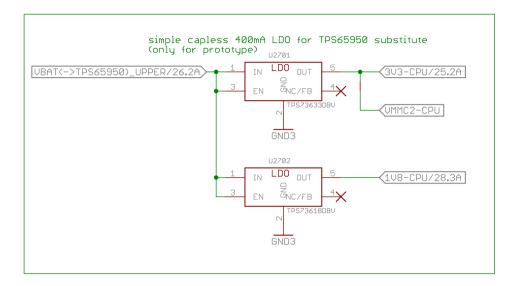
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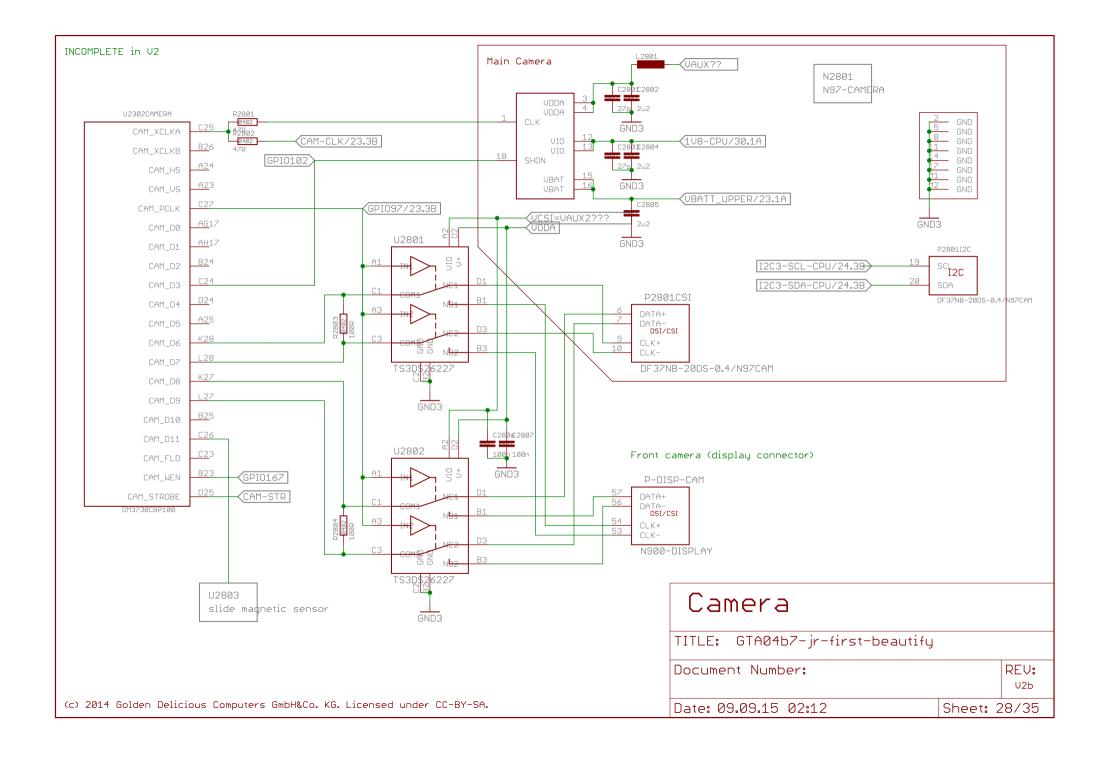
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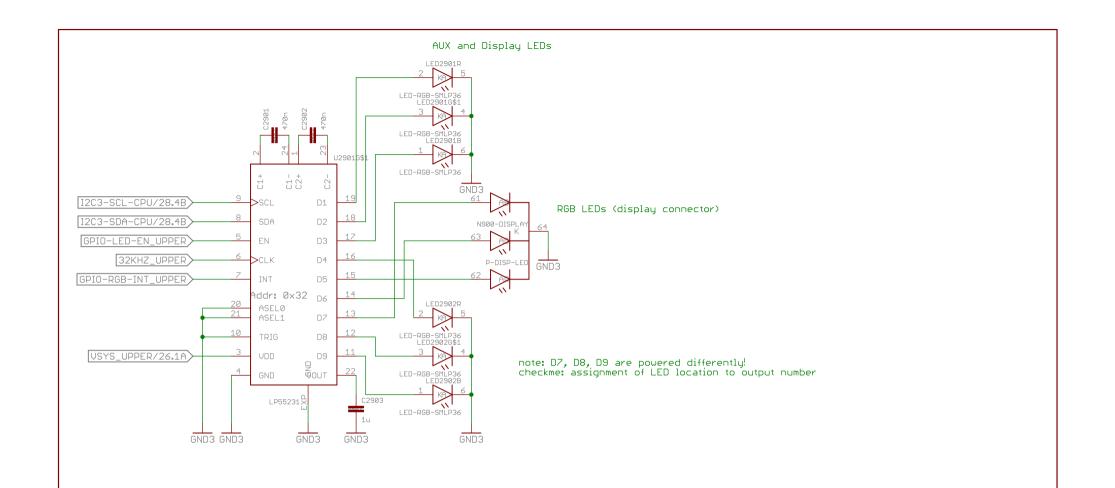
Sheet: 25/35



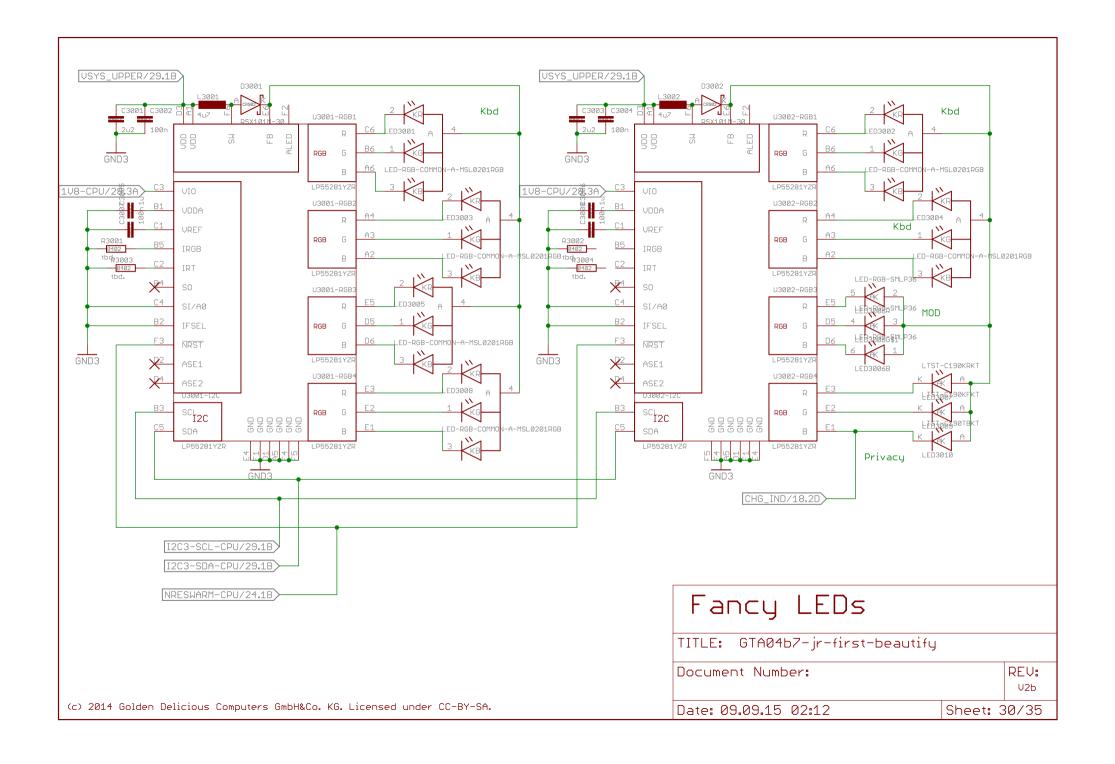


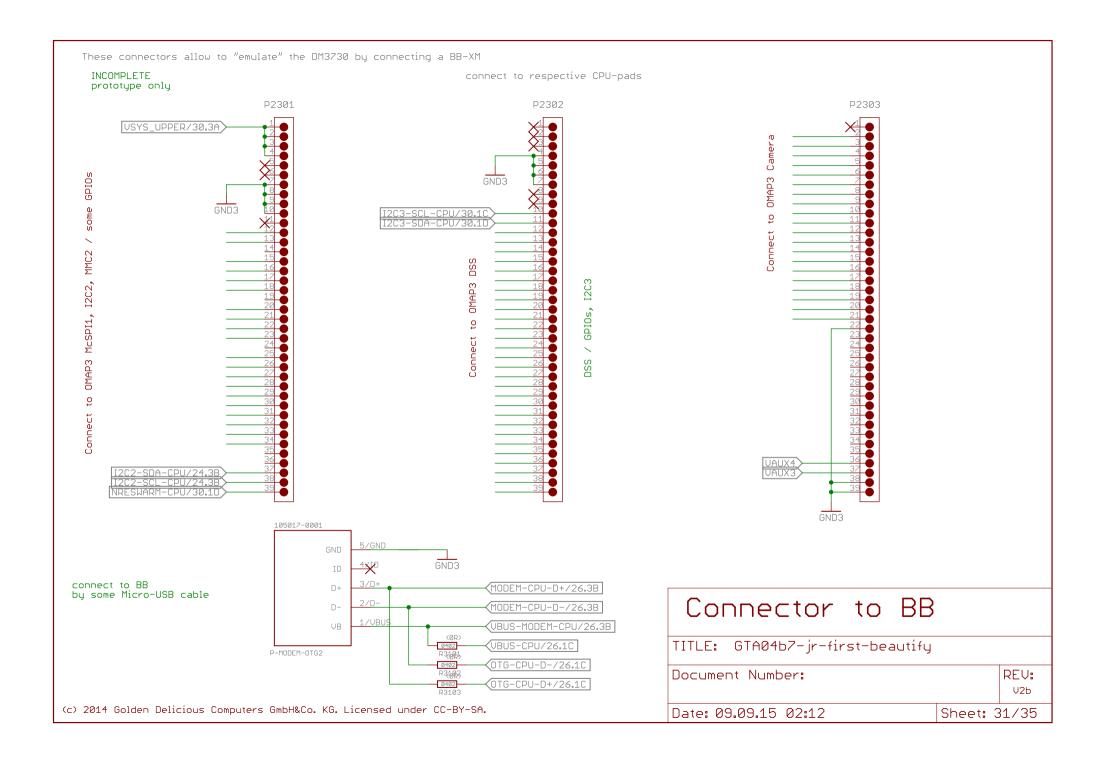
BB-XM Dummy (TWL4030) TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b Date: 09.09.15 02:12 Sheet: 27/35

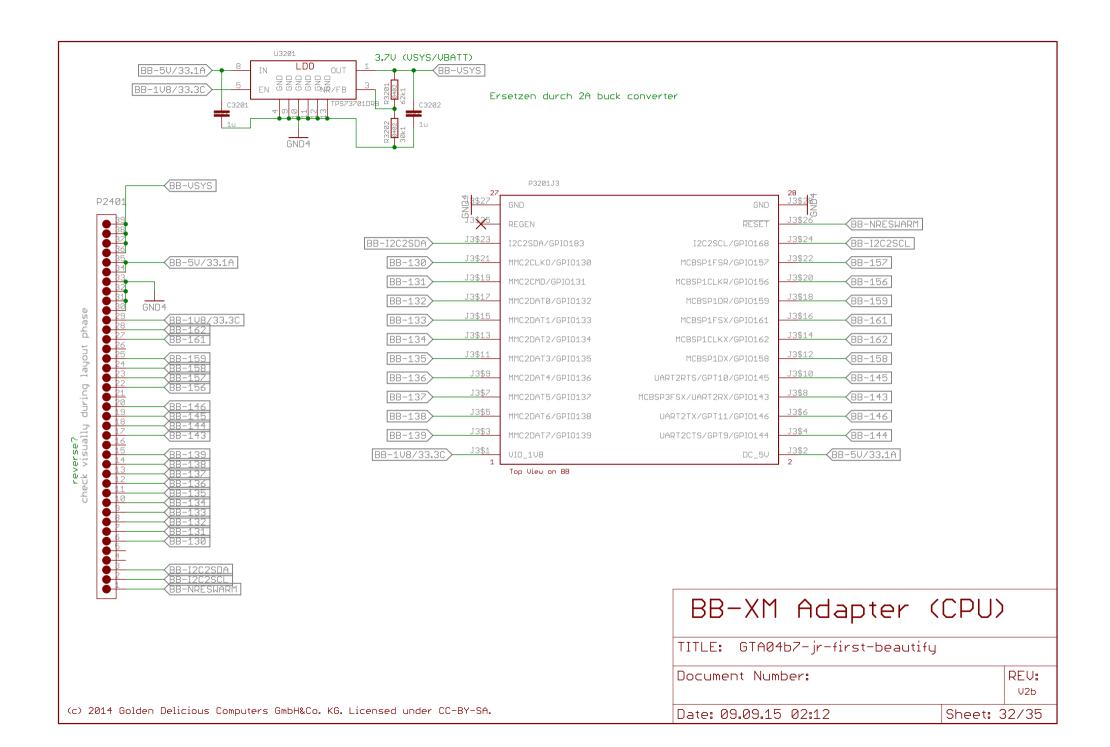


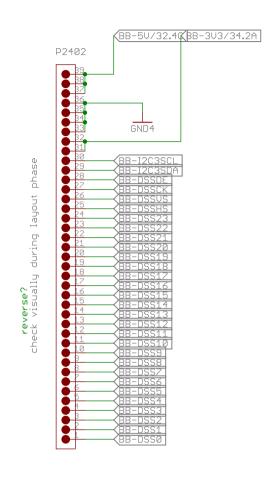


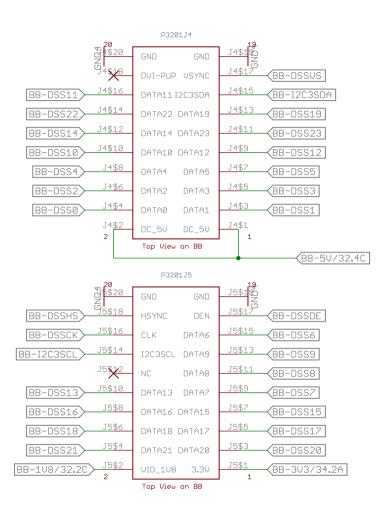
LEDs		
TITLE: GTA04b7-jr-first-beautify		
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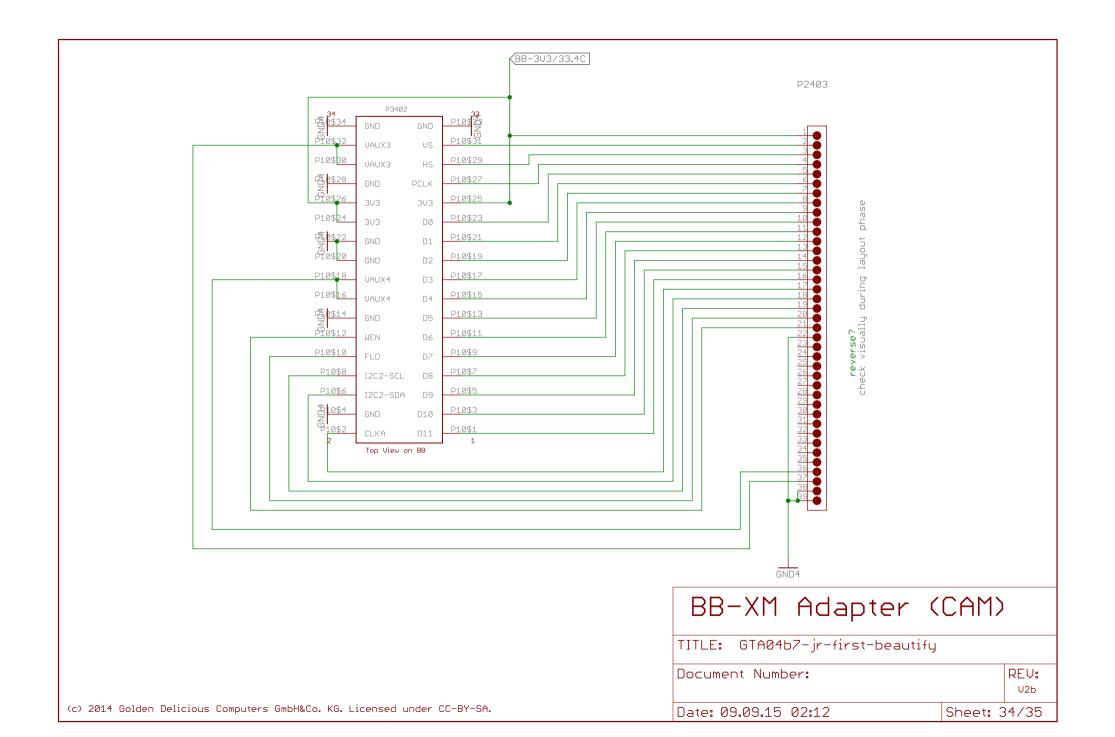








BB-XM Adapter (DISP) TITLE: GTA04b7-jr-first-beautify Document Number: Date: 09.09.15 02:12 Sheet: 33/35



Molex Jumper cables to connect BB-XM-Adapter to Uppwer board N3501 N3502 N3503 15015-0439 15015-0439 15015-0439 CPU DISP CAM N3504 N900 case assembly N3505 N3506 N97-CAMERA-HOLE headset jack N3507 STENCIL-TOP N3508



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STENCIL-BOTTOM