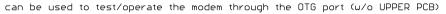
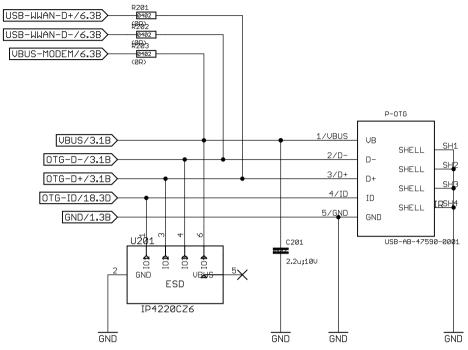


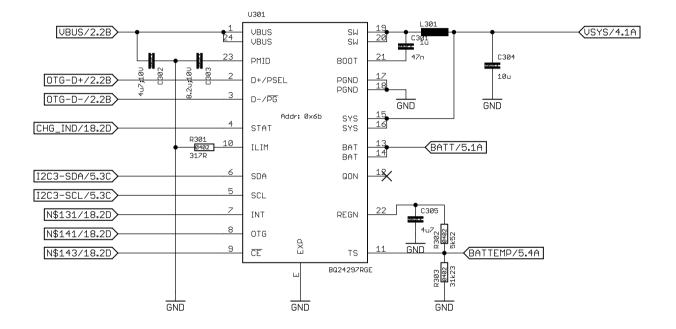
place in scan matrix? would need 3-4 wires to UPPER board instead of 2!
No. VOL+ or VOL- can either be connected to GPIOs
or drive two FETs that sit in the keyboard matrix
in any case it is sufficient to connect GPIO-VOL+ and VOL- to two pins on the B2B connector

Buttons		
TITLE: GTA04b7-jr-first-beautify		
Document Number:		REV: V2b
Date: 09.09.15 02:12	Sheet: 1	

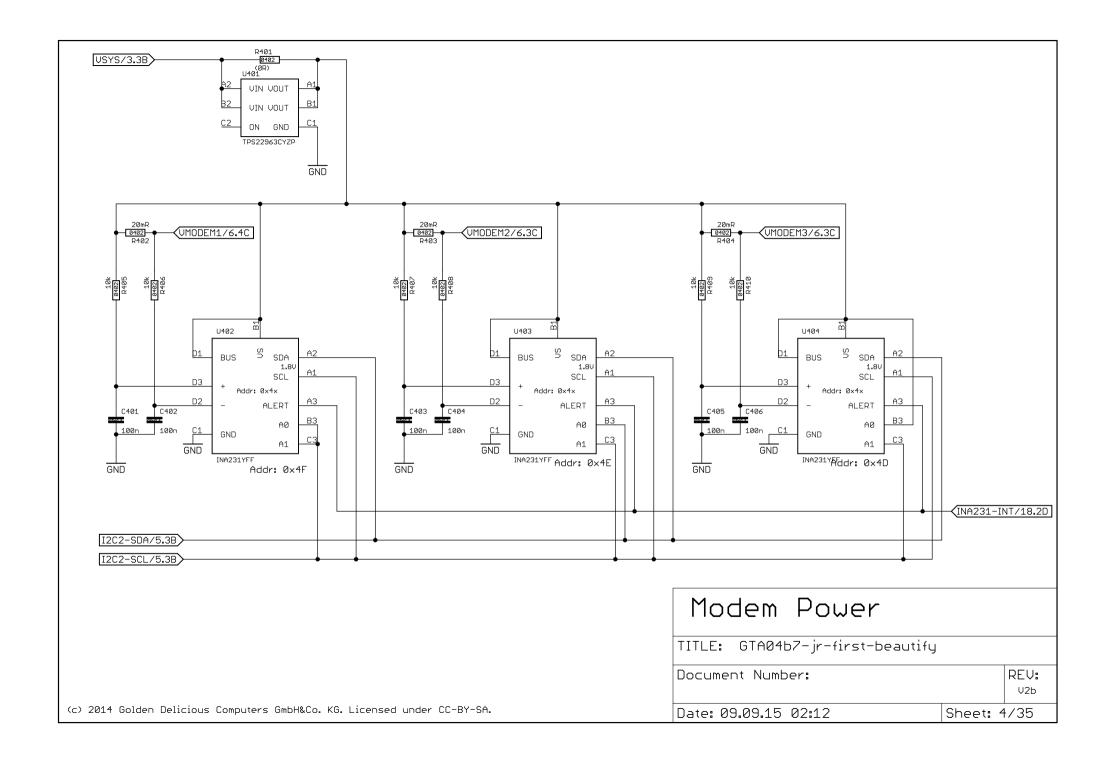


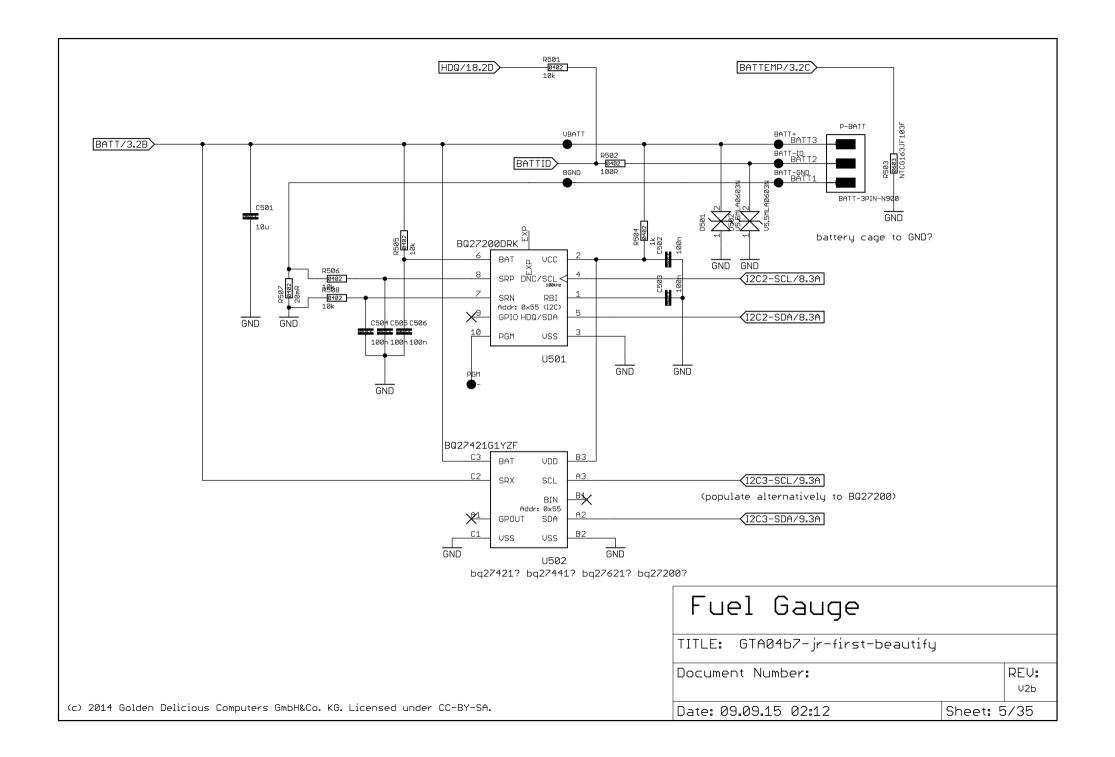


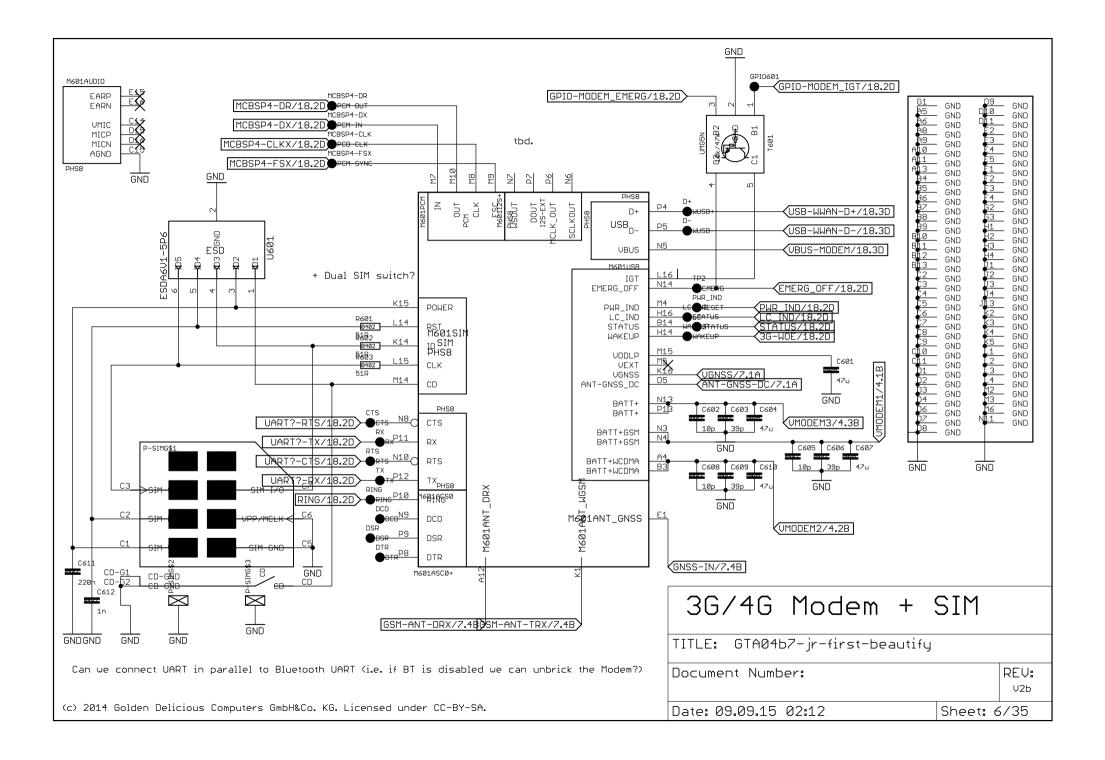
OTG		
TITLE: GTA04b7-jr-first-beautify		
Document Number:		REV: V2b
Date: 09.09.15 02:12	Sheet: 2	2/35

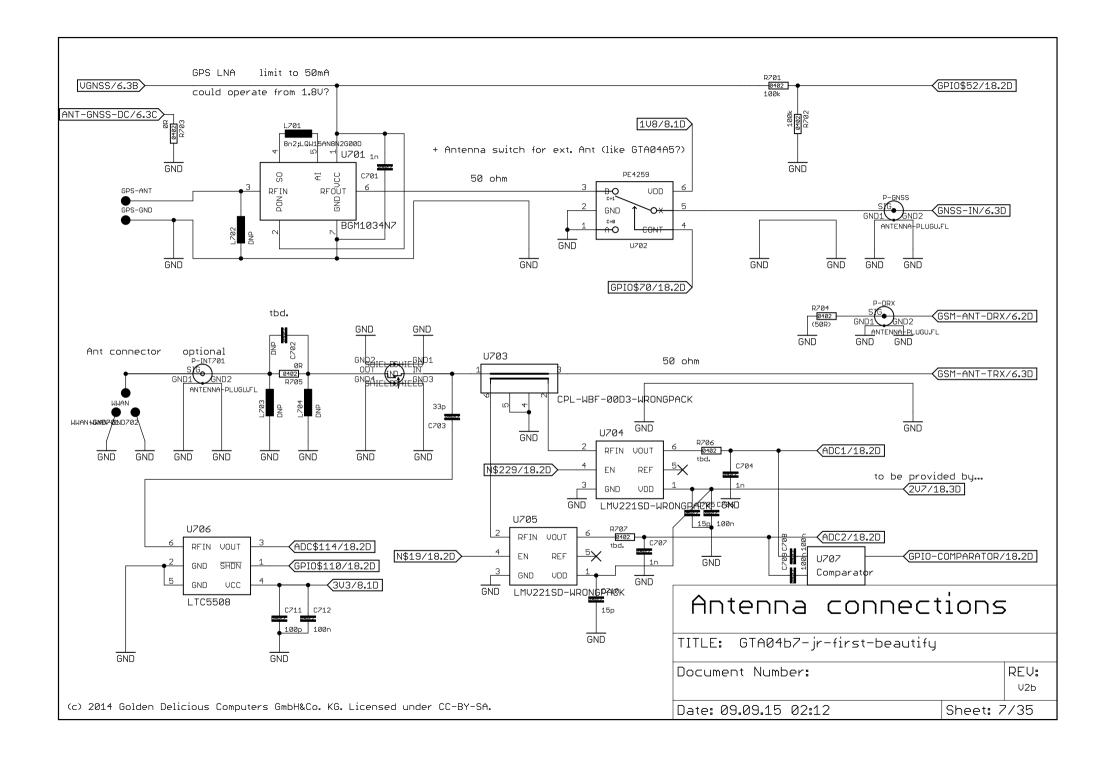


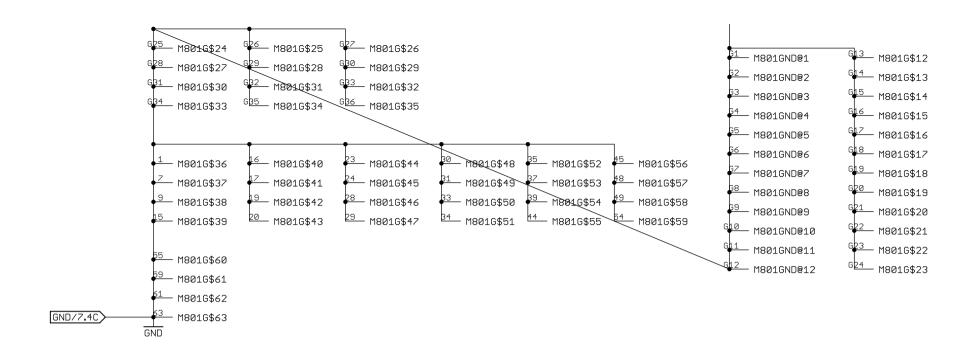
Charger/OTG-Booster			
TITLE: GTA04b7-jr-first-beautify			
Document Number:		REV:	
Date: 09.09.15 02:12	Sheet: 3		

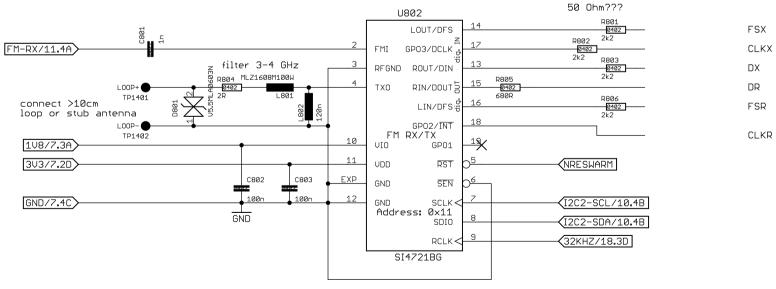




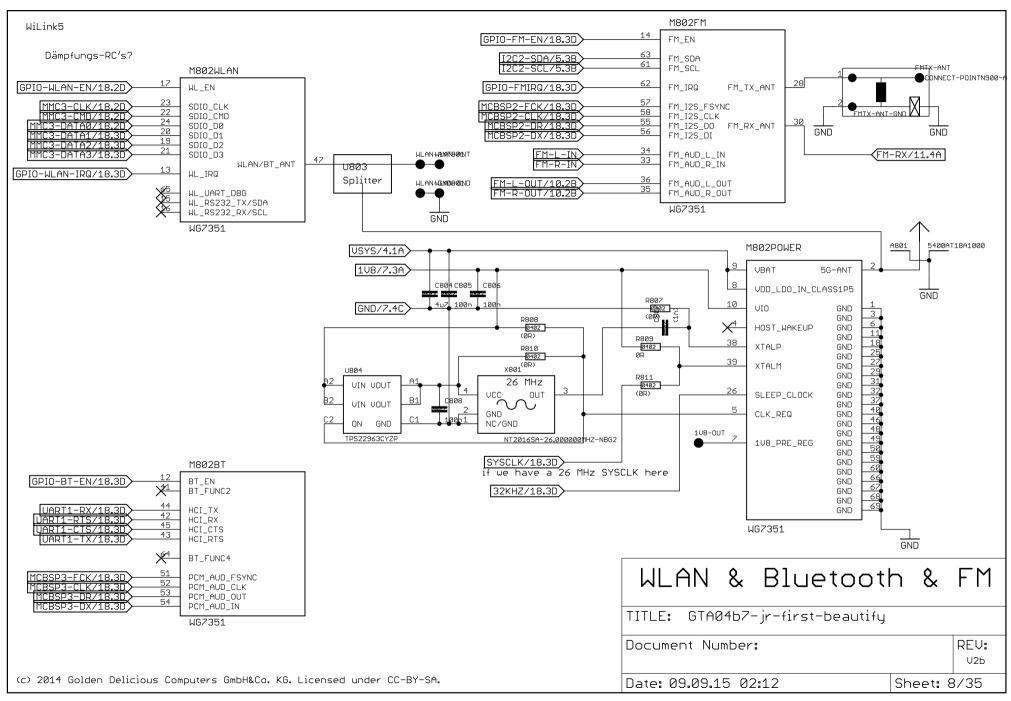








Si4705 is pin compatible (mostly) but RX-only

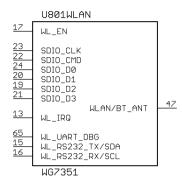


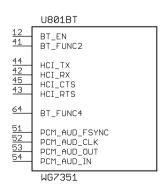
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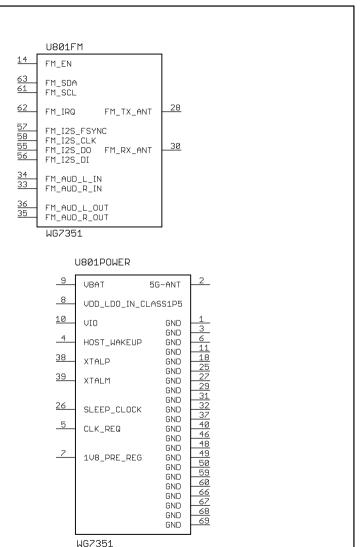
Sheet: 8/35

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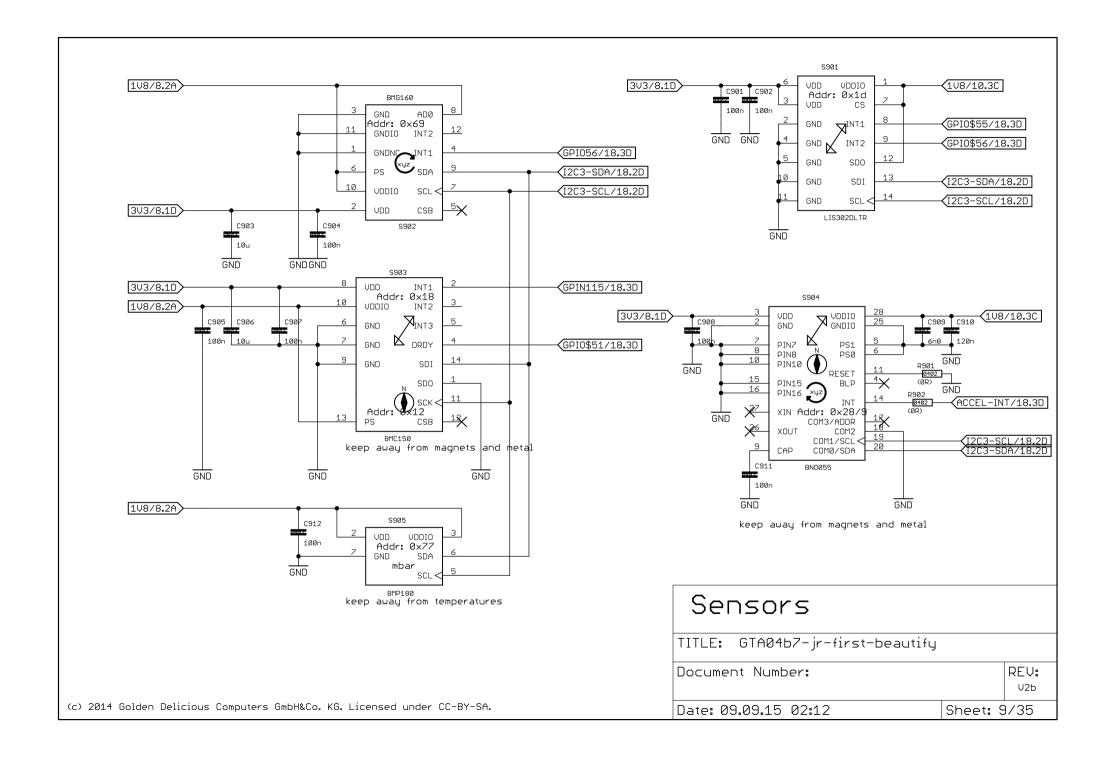


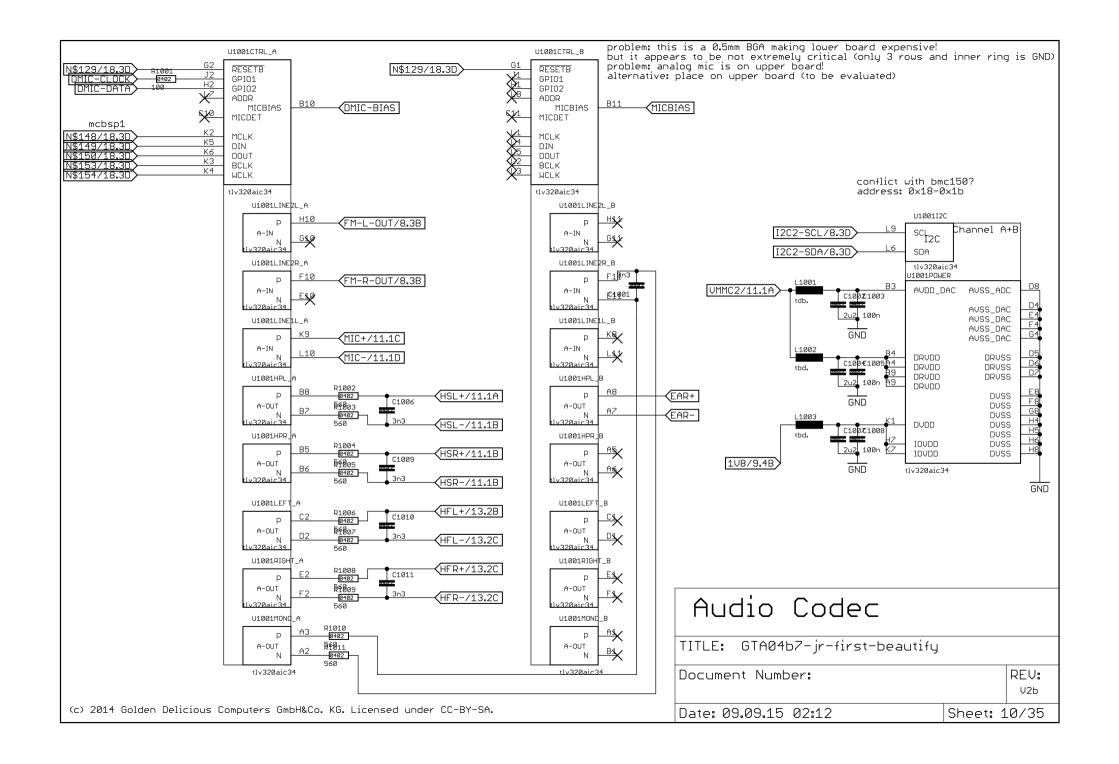


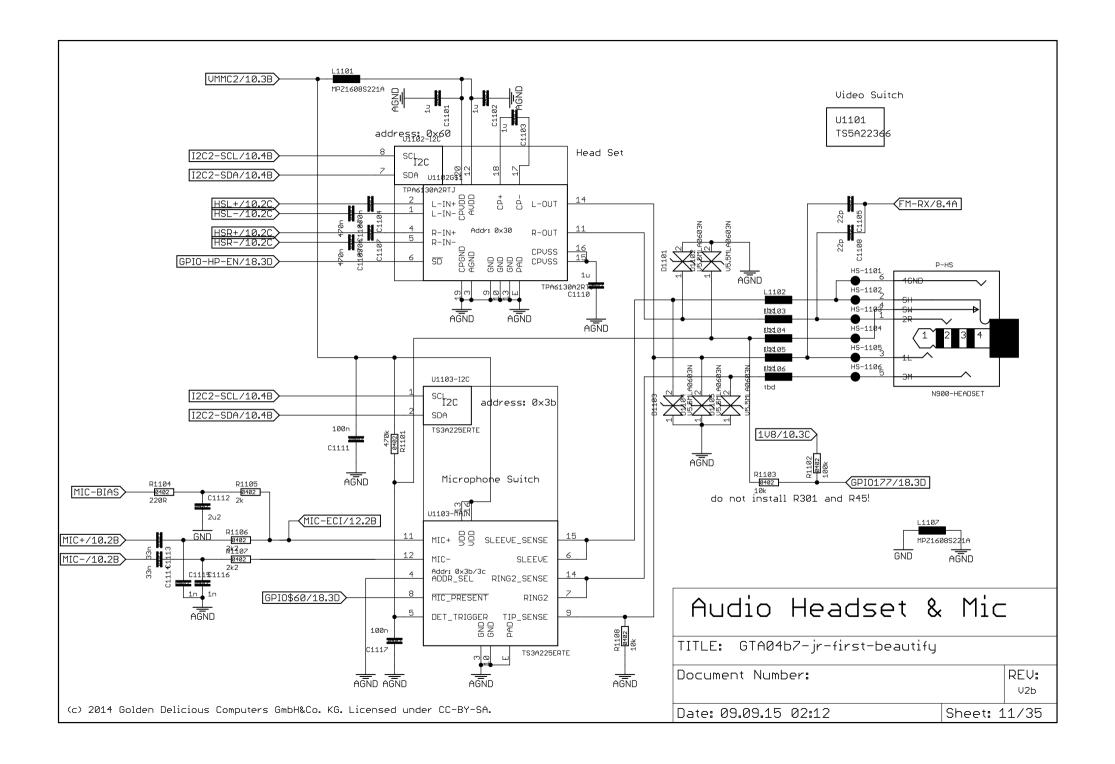
WLAN & Bluetooth & FM

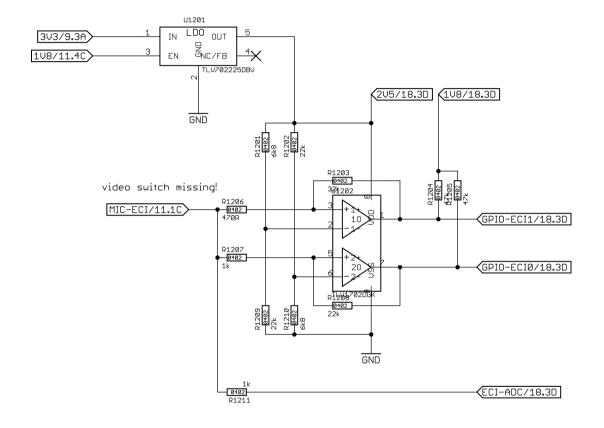
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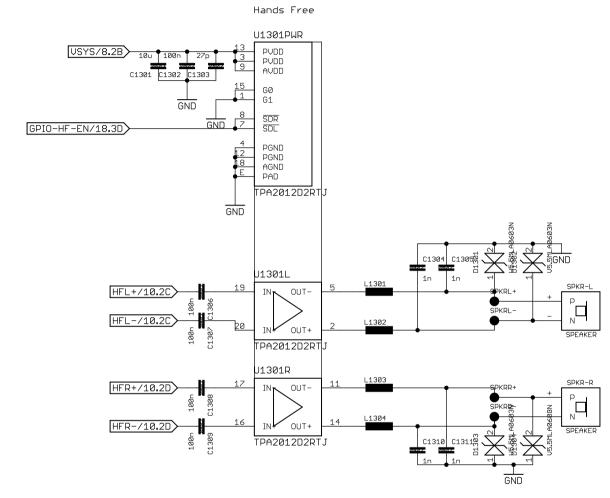




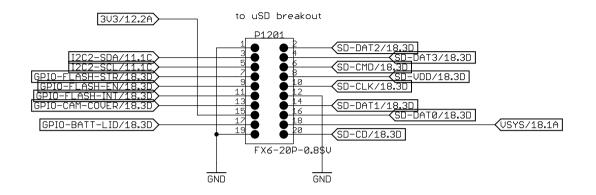


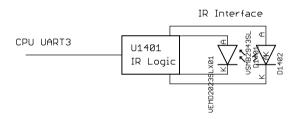


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Date: 09.09.15 02:12	Sheet: 1	2/35

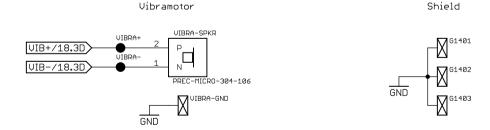


Audio Handsfree TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b Date: 09.09.15 02:12 Sheet: 13/35





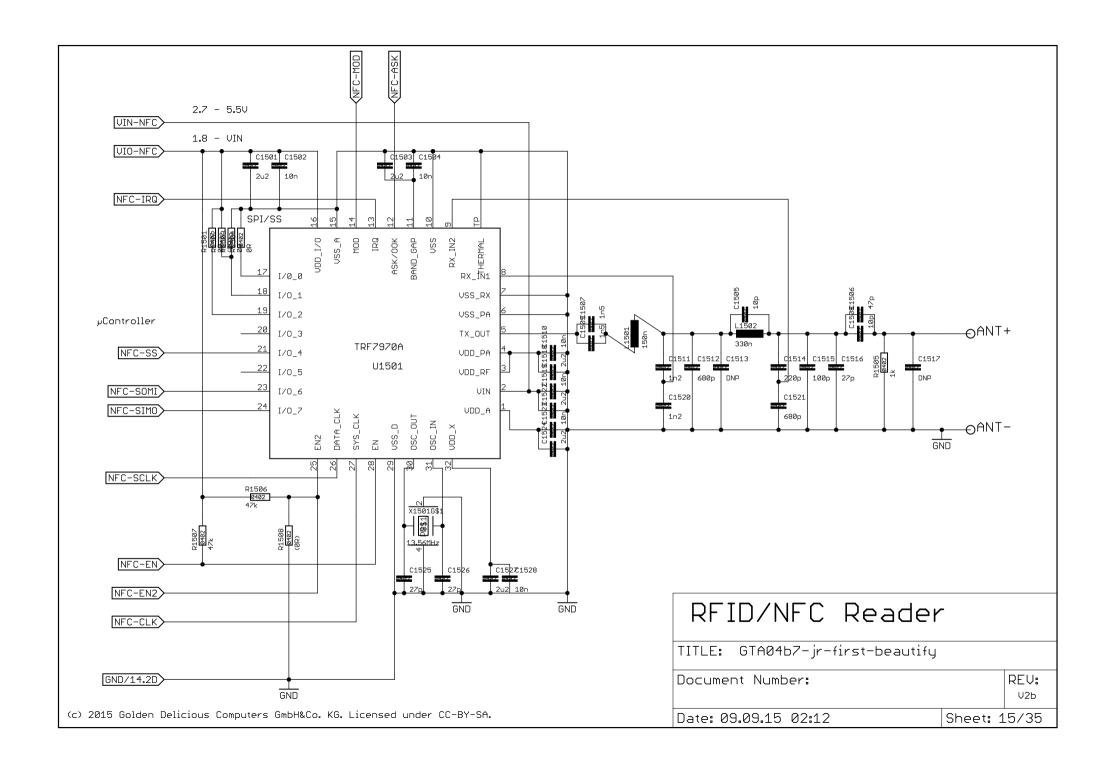
Hackerbus???



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

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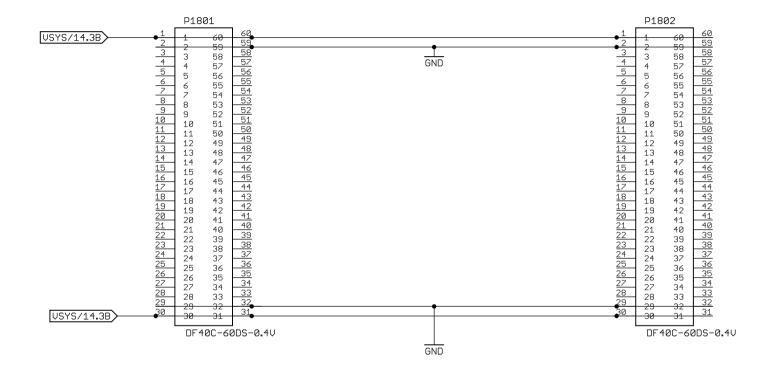


	Hackerbus	
	nackerbus	
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	Tiree. Official ji first bedating	
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(c) 2015 Coldon Dolisious Computars Cabble Co. KG. Linnard Co. DV Co.		
(c) 2015 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA.	Date: 09.09.15 02:12	Sheet: 16/35

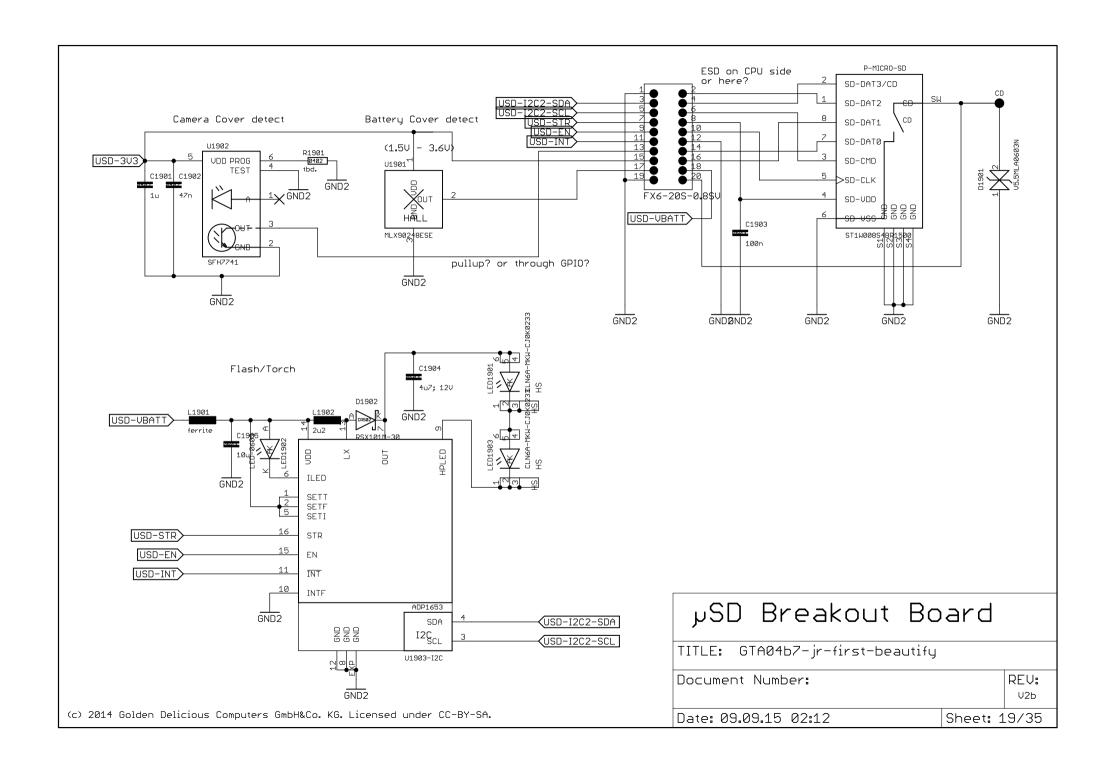
	Infrared	
	IIIII di Cd	
	TITLE: GTA04b7-jr-first-beautify	
	D	DELL
	Document Number:	REV:
		V2b
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	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	

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-UL AN-IRG/8.1A GPIO-BT-EN/8.1C UART1-RX/8.1C UART1-RTS/8.1C UART1-CTS/8.1D UART1-TX/8.1D MCBSP3-FCK/8.1D MCBSP3-CLK/8.1D MCBSP3-DR/8.1D OCK-GPIO/1.2A POWERON/1.3A GPI0-V0L+/1.2B 1CBSP3-DX/8.1D GP10-V01-71.2B CAM1-GP10/1.3B CAM2-GP10/1.3C 12C3-SDA/9.4C 12C3-SCL/9.4C CHG IND/3.1B N\$131/3.1C N\$141/3.1C N\$141/3.1C N\$143/3.1C SYSCLK/8.3C 32KHZ/8.3D GPIO-FM-EN/8.3A GP10-FM-EN/8,3A GP10-FMIRQ/8,3A MCBSP2-FCK/8,3A MCBSP2-CLK/8,3A MCBSP2-DR/8,3A MCBSP2-DR/8,3A GP1056/9,3B GP1056/9,3A GP10\$51/9,3B GP10\$51/9,3B GPIO-EN-MODEM 12C2-SDA/14.1A 12C2-SCL/14.1A 12C2-SCL/14.1A INA231-INT/4.4C HDQ/5.2A GPI0\$55/9.4A GPI0\$56/9.4A ACCEL=INT/9.4C N\$129/10.2A | HDQ/5.2A | GPI0\$707.3B | GPI0\$1107.1D | N\$1977.2D | N\$2977.3C | ADC\$11477.1C | ADC277.4C | ADC277.4C | GPIO-COMPARATOR/7.4D | MCBSP4-DR/6.2A | MCBSP4-DR/6.2A | MCBSP4-CLKY/6.2A N\$148/10.1A N\$149/10.1A N\$149/10.1A N\$150/10.1A N\$153/10.1A N\$154/10.1A GPIO-ECI1/12.3B GPIO-ECI0/12.3C ECI-ADC/12.3C UMMC2/11.1A GPIO-HP-EN/11.1B GPI0\$60/11.2D GPI0177/11.4C MCBSP4-CLKX/6.2A MCBSP4-FSX/6.2A GPIO-HF-EN/13.1B GPIO-FLASH-STR/14.1A GPIO-FLASH-EN/14.1A GPIO-FLASH-INT/14.1A UART?-RTS/6.2C UART?-CTS/6.2C UART?-RX/6.2C UART?-TX/6.2C UART?-TX/6.2C GPIO-BATT-LID/14.1B | SD - CMD/14.1B | SD - CMD/14.2A | SD - CL K/14.2A | SD - CD/14.2B | SD - UDD/14.2A | SD - DA 10/14.2B | SD - DA 10/14.2B | SD - DA 10/14.2A GPIO-MODEM IGT/6.3A GPIO-MODEM EMERG/6.3A EMERG OFF/6.3B PUR IND/6.3B LC IND/6.3B STATUS/6.3B 3G-WOF/6.3B GPIO\$52/7.4A GPIO-WLAN-EN/8.1A MMC3-CLK/8.1A MMC3-CMD/8.1A VIB-/14.1D 3U3/14.1A 2U5/12.3B 1U8/12.3B UBUS/3.1B MMC3-DATA0/8.1A OTG-D-/3.1B OTG-D+/3.1B OTG-ID/2.2B USB-WWAN-D-/6.3B USB-WWAN-D-/6.3B USB-WWAN-D-/6.3B USB-WWAN-D-/6.3B GPIO-CAM-COVER/14.1B

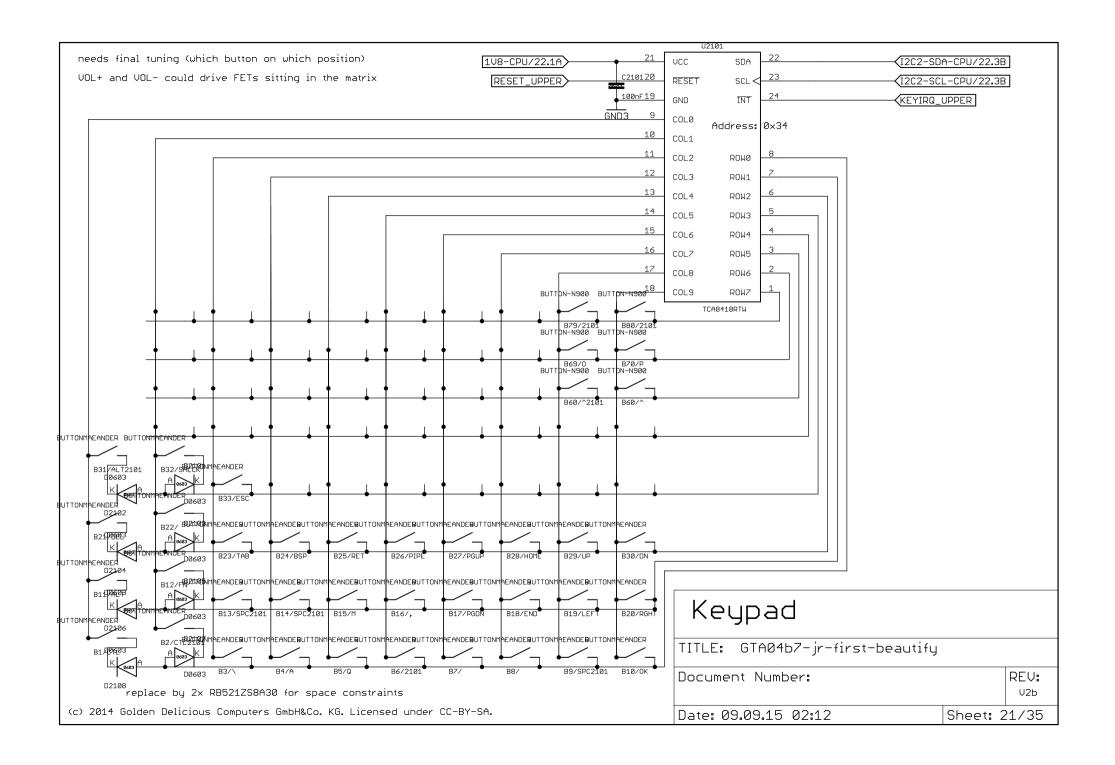
Pin assignment musr be optimized for final component placement we might have to switch to 80 or 100 pin connectors

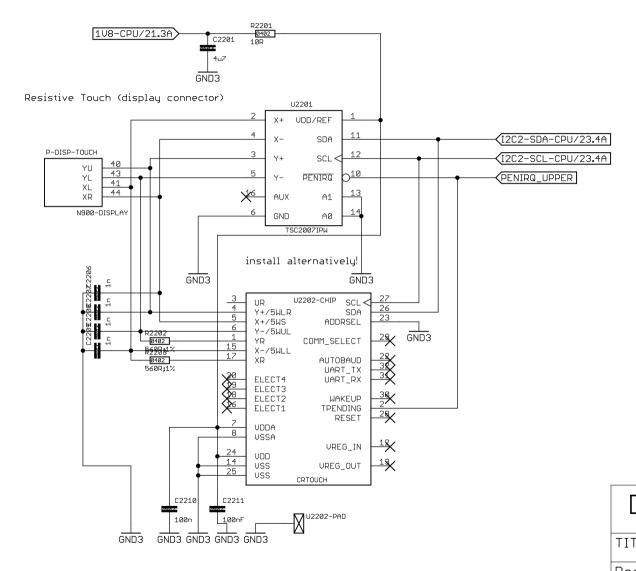


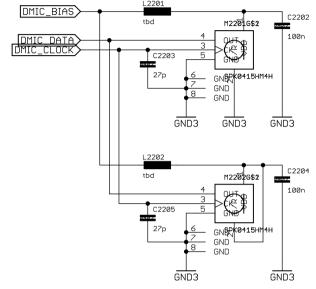
B2B	to	upper	Ьс	ard	
TITLE: G	ГАØ4Ь7	'-jr-first-bea	utify		
Document	Numbe	r:			REV: V2b
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to be adjusted to lower board connector P2002 P2001 VBATT_UPPER/23.1A 58 57 56 55 54 53 52 51 50 49 48 47 44 43 42 41 40 39 38 37 36 35 34 33 33 33 33 58 57 56 55 55 53 52 51 50 49 48 47 46 45 GND3 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 44 43 42 41 40 39 38 37 36 35 34 33 UBATT_UPPER/23.1A DF40C-60DP-0.4V DF40C-60DP-0.4V GND3 SHIELD -X G2002 G2003 to lower board B2B -X G2008 TITLE: GTA04b7-jr-first-beautify REV: Document Number: GND3 GND3 GND3 V2Ь (c) 2014 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA. Date: 09.09.15 02:12 Sheet: 20/35







Display-Peripherals

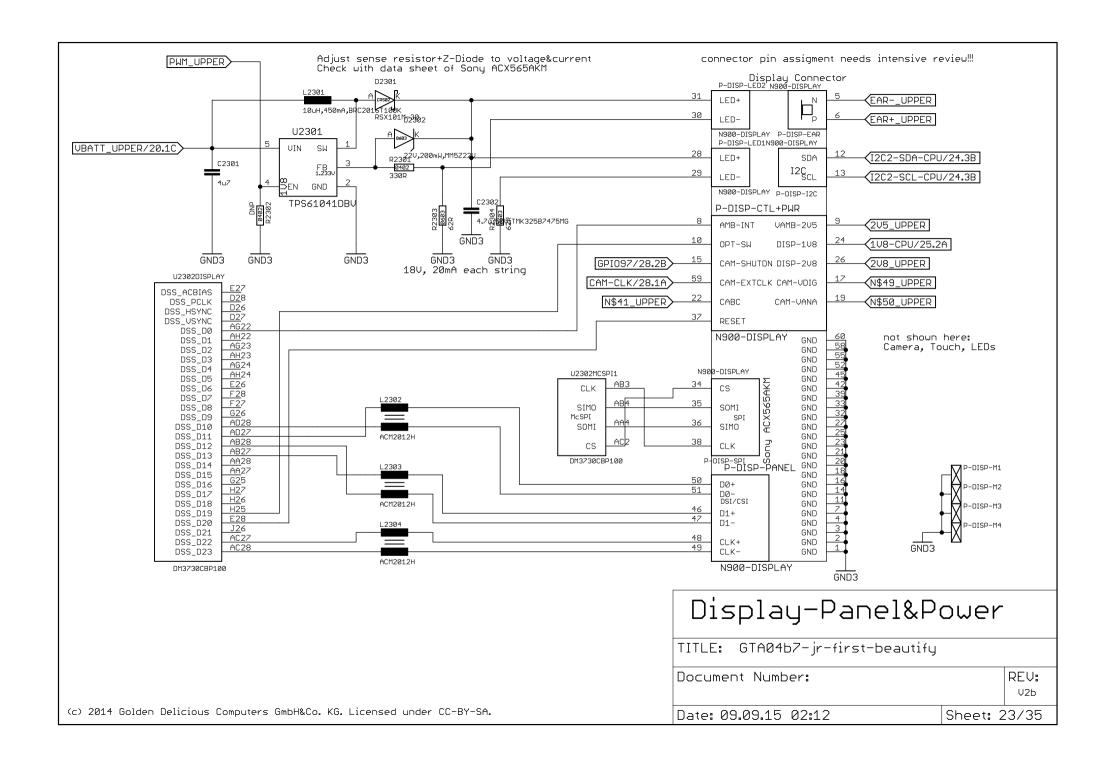
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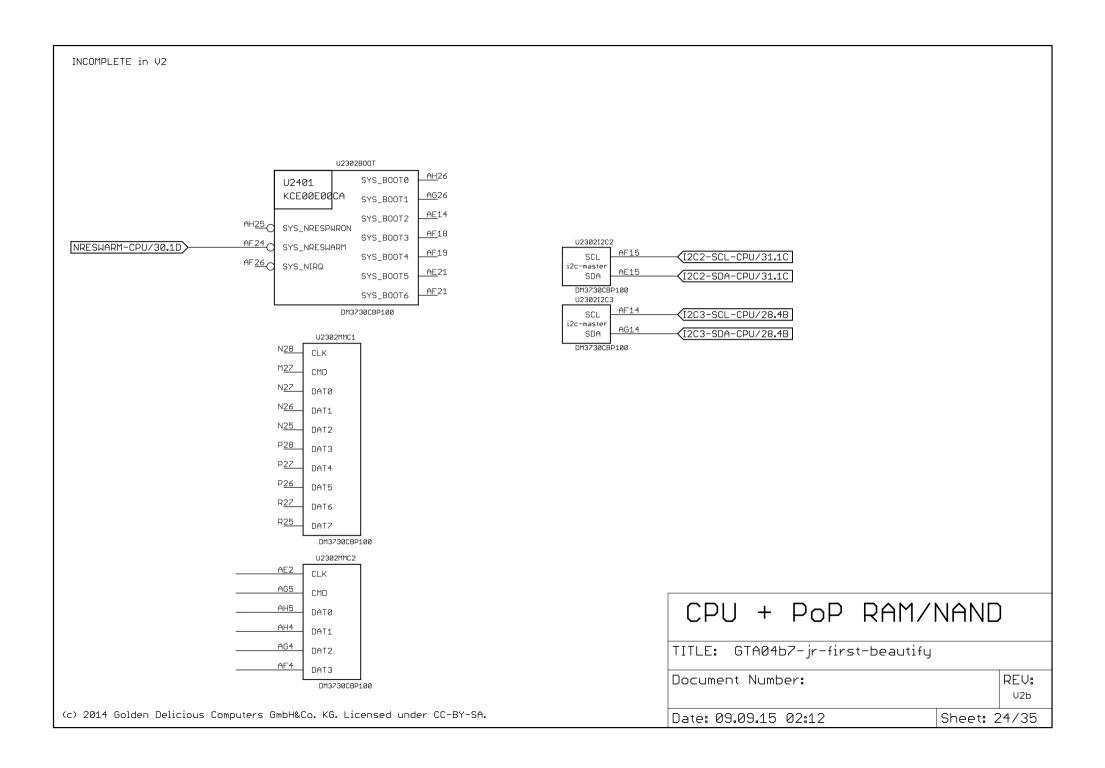
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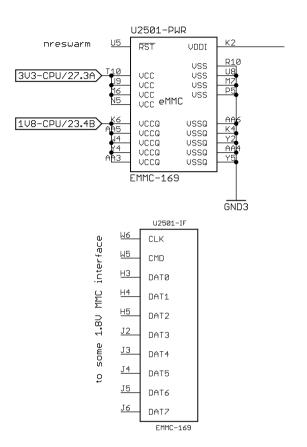
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eMMC

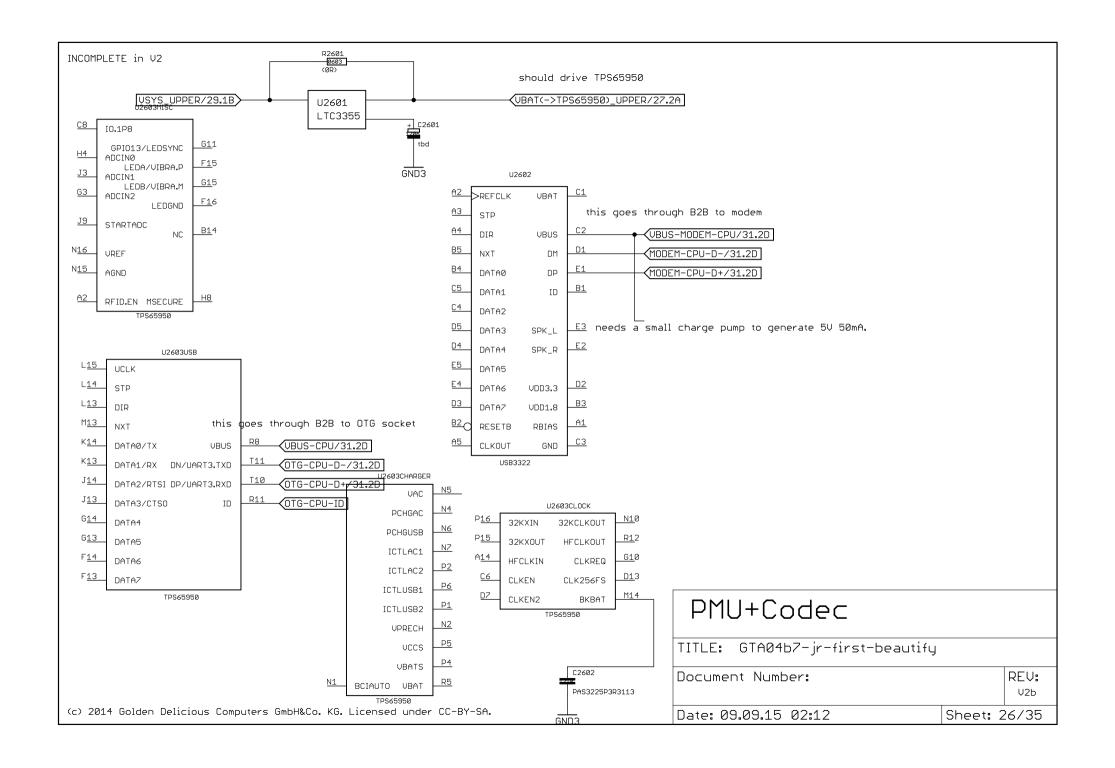
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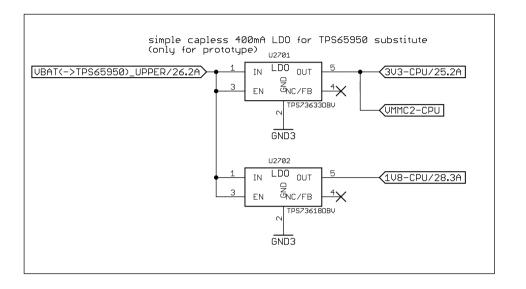
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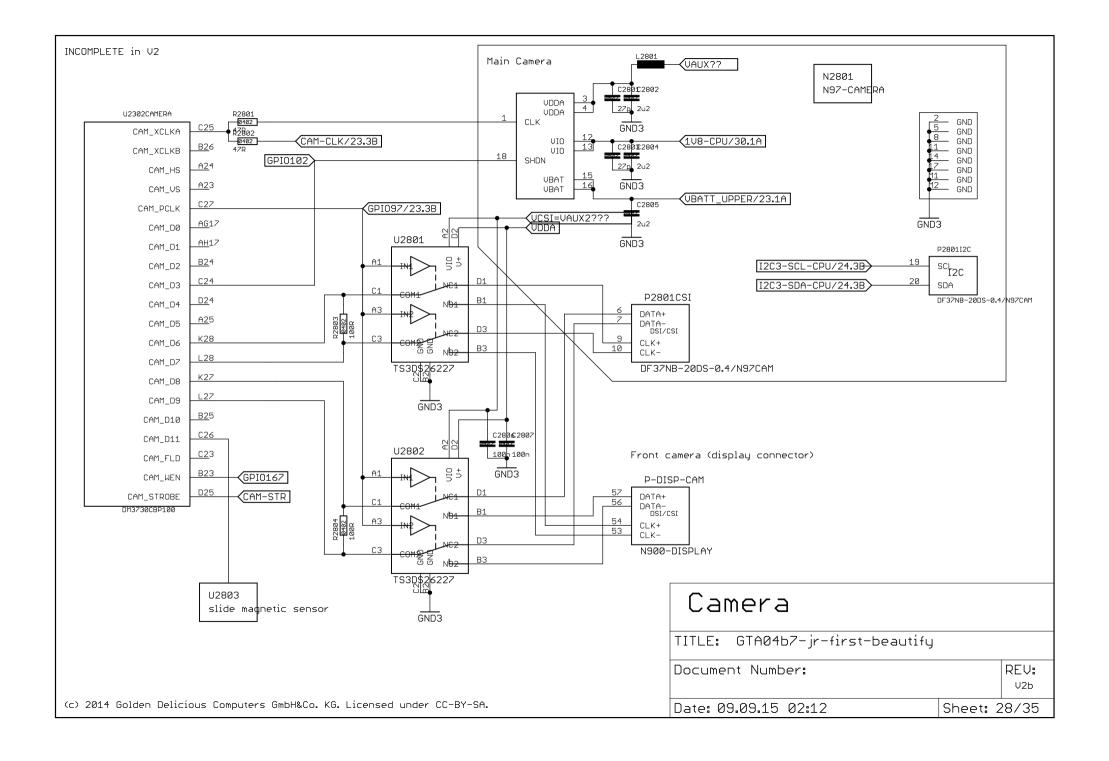
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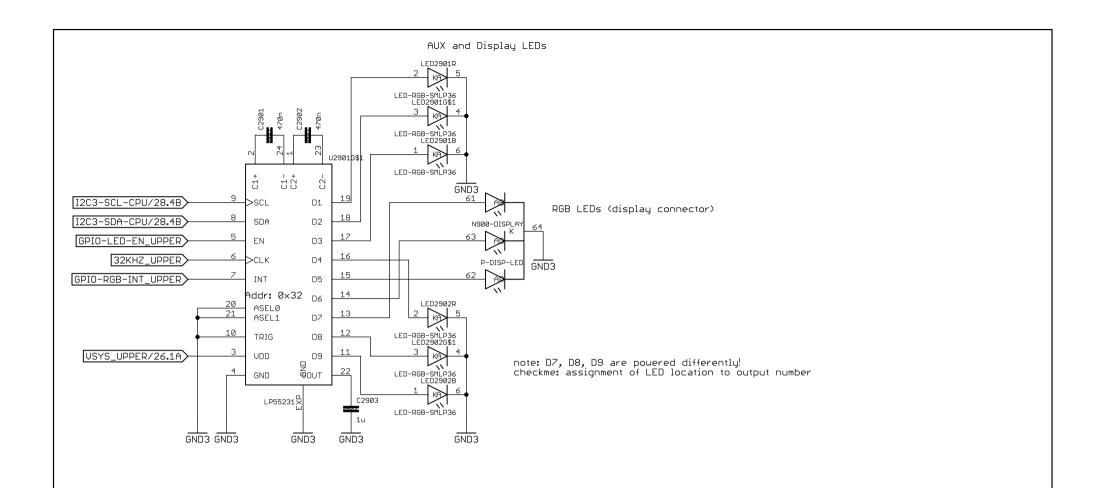
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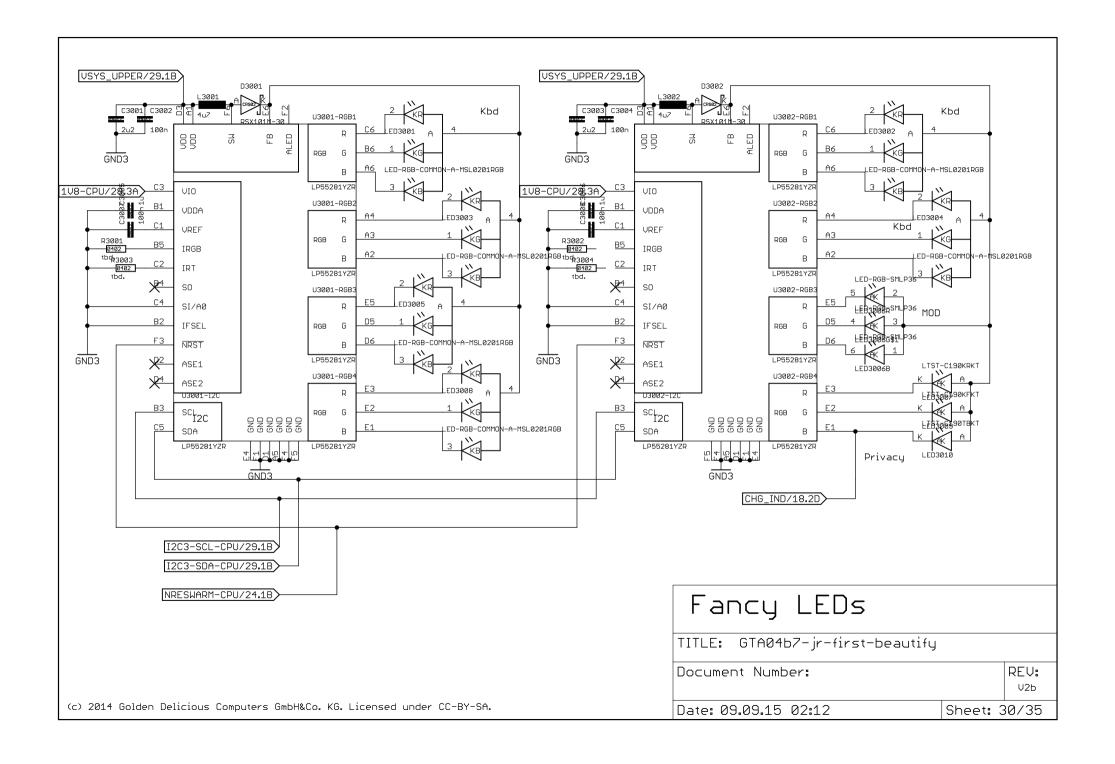


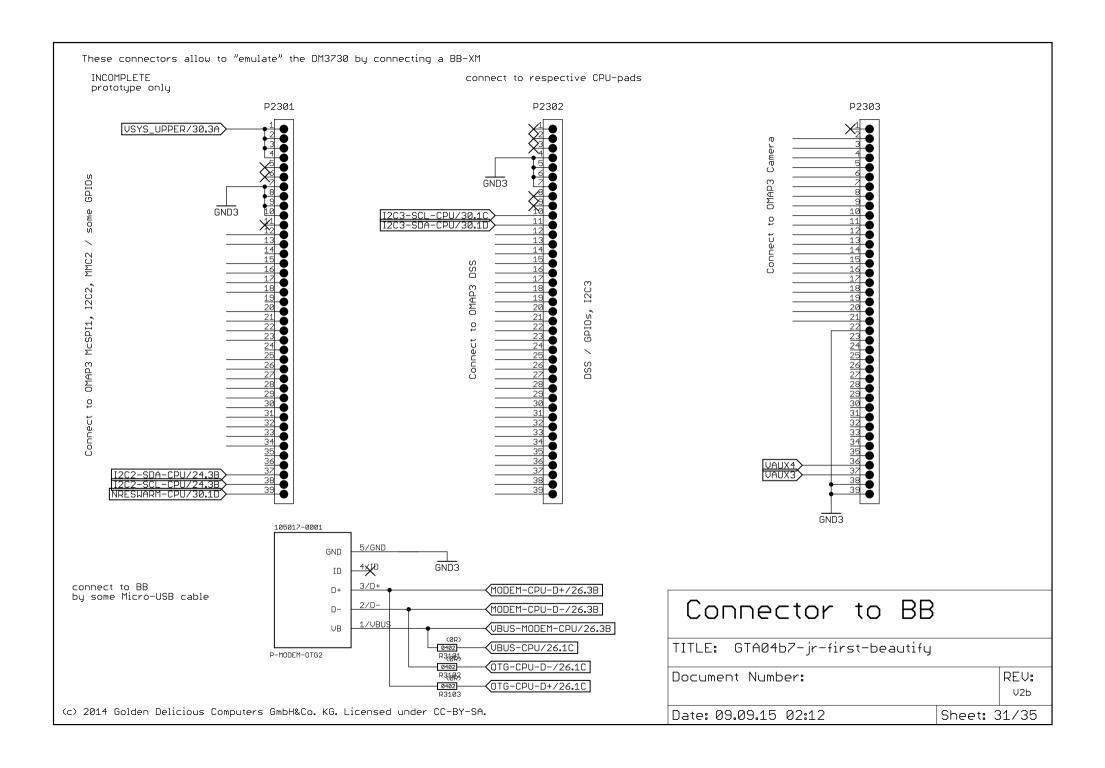
BB-XM Dummy (TWL4030) TITLE: GTA04b7-jr-first-beautify Document Number: REV: V2b Date: 09.09.15 02:12 Sheet: 27/35

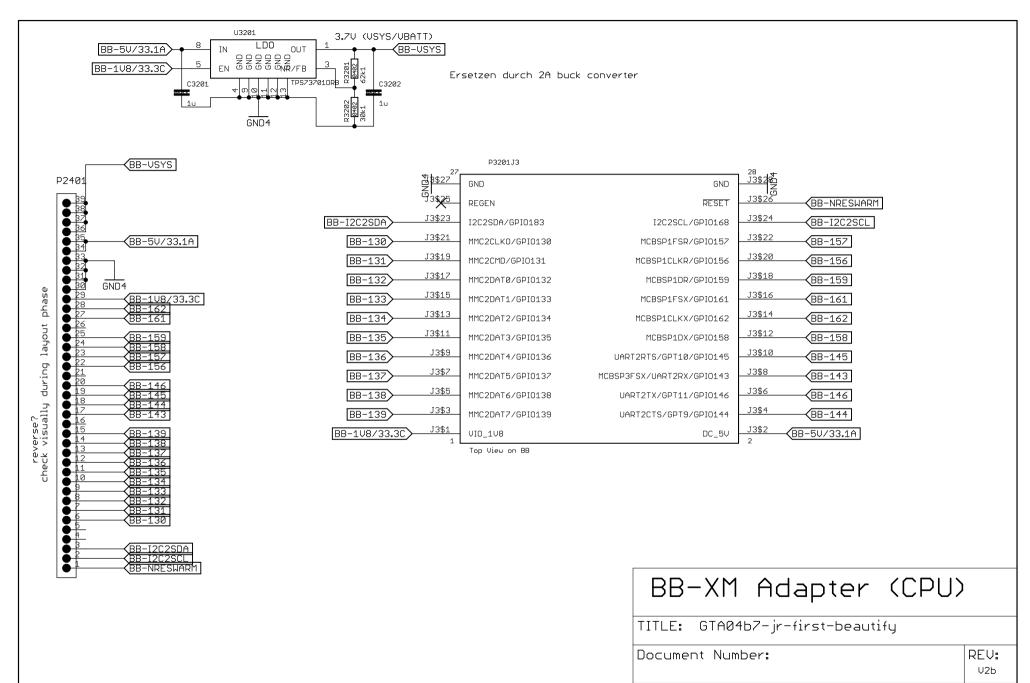




LEDs		
TITLE: GTA04b7-jr-first-beautify		
Document Number:		REU: V2b
Date: 09.09.15 02:12	Sheet: 2	29/35

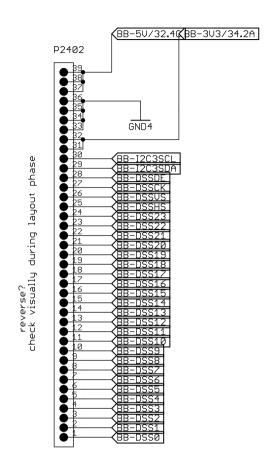


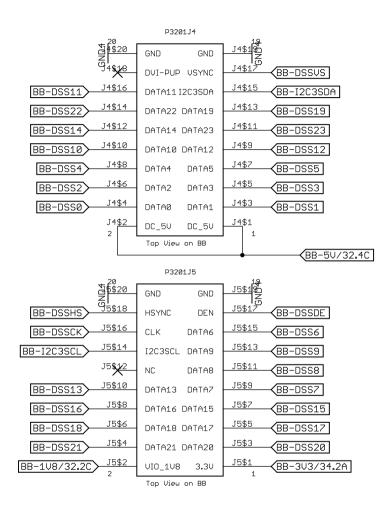




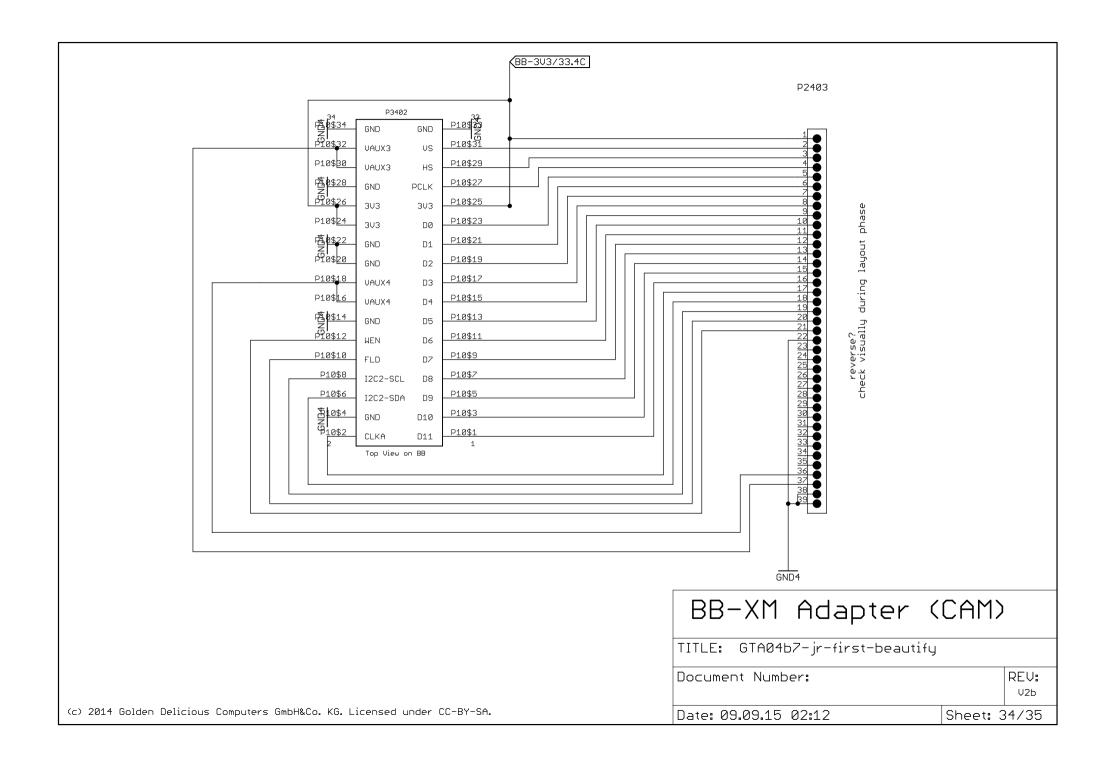
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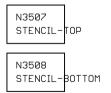
BB-XM Adapter (DISP) TITLE: GTA04b7-jr-first-beautify Document Number: Date: 09.09.15 02:12 REV: V2b Sheet: 33/35



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







No-Solder Components TITLE: GTA04b7-jr-first-beautify

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