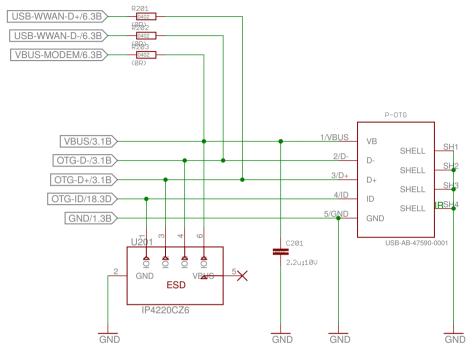


CAM2-GPIO/18.2D

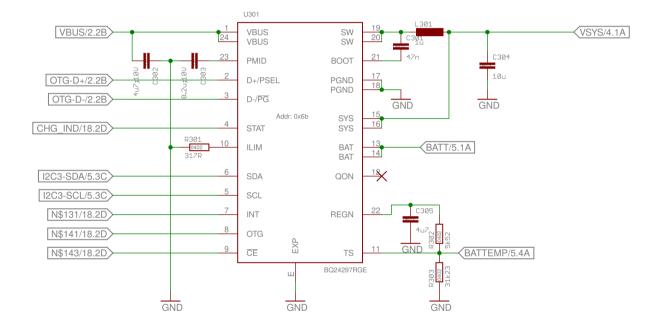
place in scan matrix? would need 3-4 wires to UPPER board instead of 2!
No. VOL+ or VOL- can either be connected to GPIOs
or drive two FETs that sit in the keyboard matrix
in any case it is sufficient to connect GPIO-VOL+ and VOL- to two pins on the B2B connector

| Buttons                          |          |             |
|----------------------------------|----------|-------------|
| TITLE: GTA04b7-jr-2-beautify_for | nts      |             |
| Document Number:                 |          | REU:<br>V2b |
| Date: 09.09.15 02:57             | Sheet: 1 | /35         |

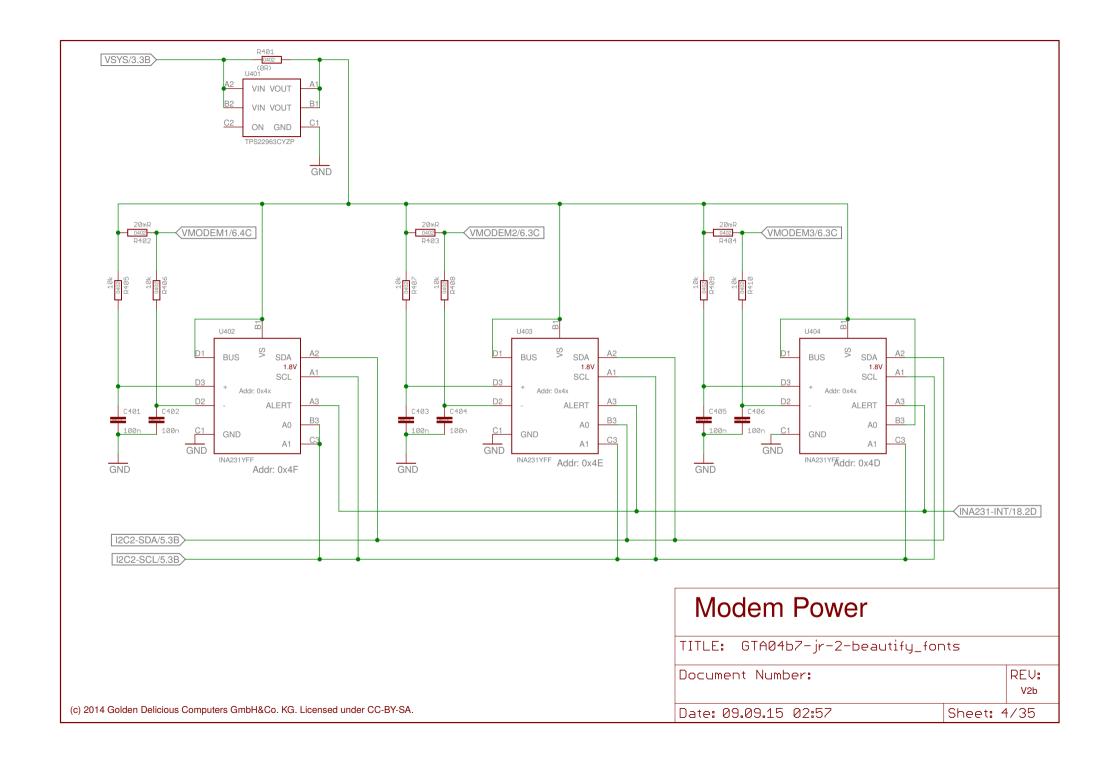


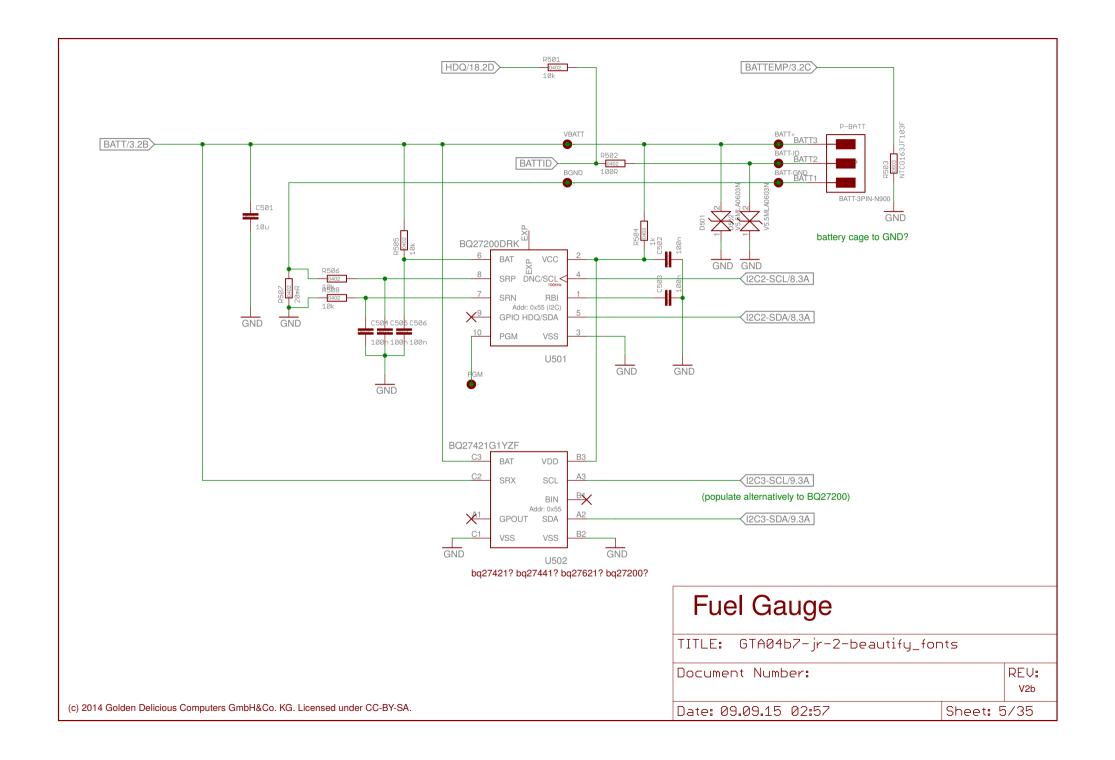


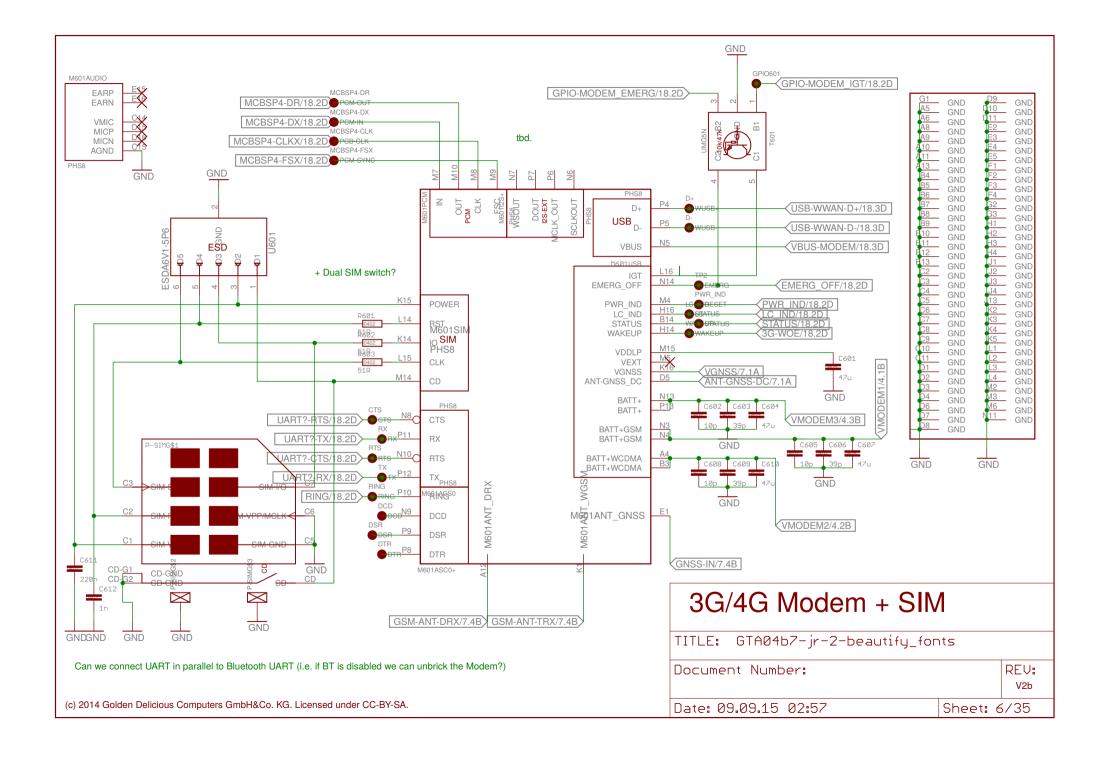
| OTG                              |          |             |
|----------------------------------|----------|-------------|
| TITLE: GTA04b7-jr-2-beautify_for | nts      |             |
| Document Number:                 |          | REV:<br>V2b |
| Date: 09.09.15 02:57             | Sheet: 2 | 2/35        |

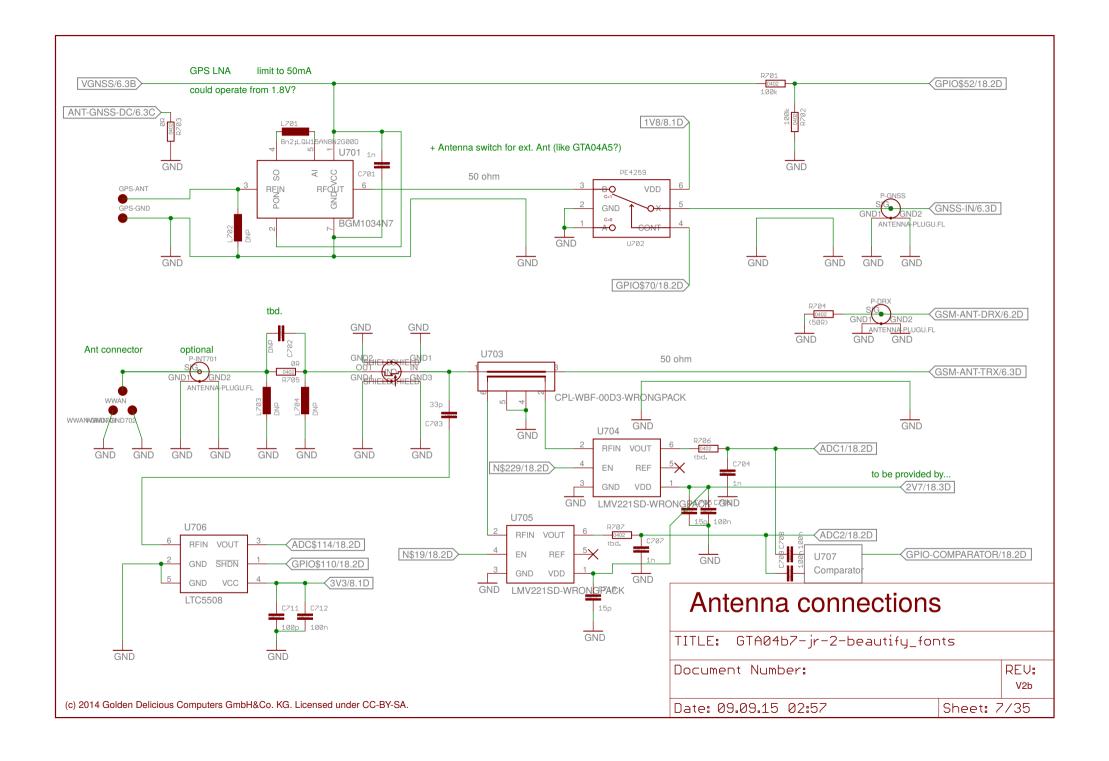


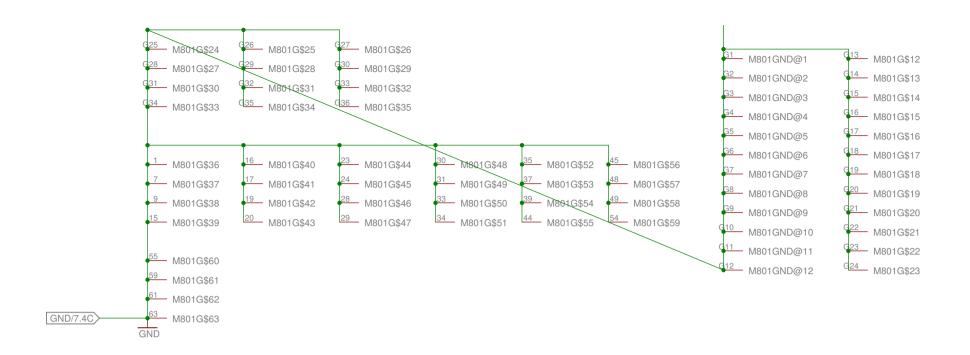
| Charger/OTG-Booster              |          |             |
|----------------------------------|----------|-------------|
| TITLE: GTA04b7-jr-2-beautify_for | nts      |             |
| Document Number:                 |          | REV:<br>V2b |
| Date: 09.09.15 02:57             | Sheet: 3 | 3/35        |

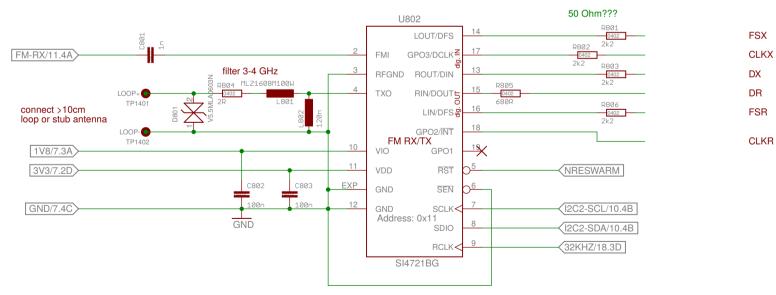




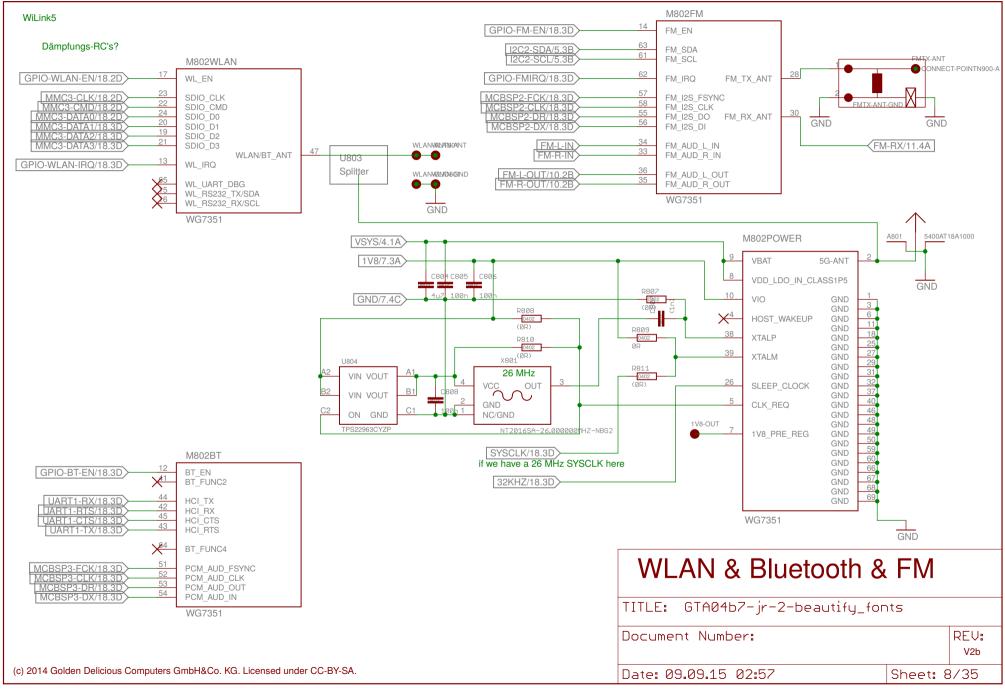


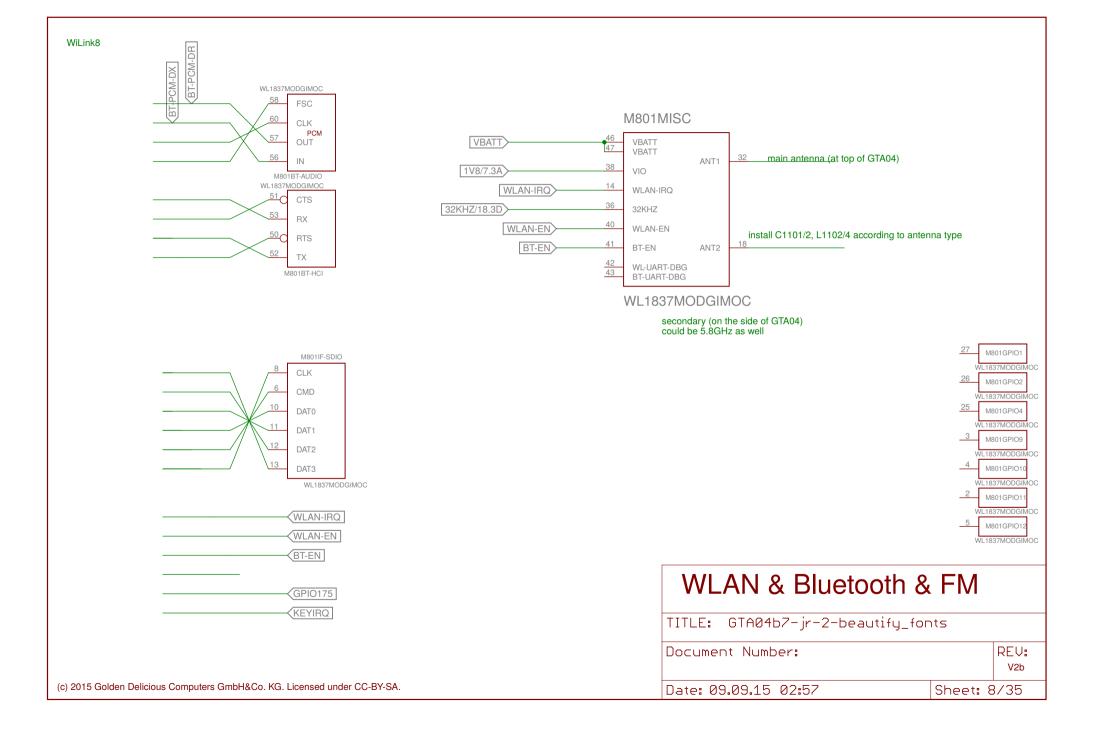




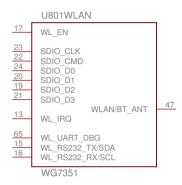


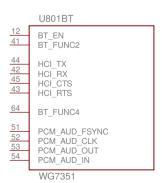
Si4705 is pin compatible (mostly) but RX-only

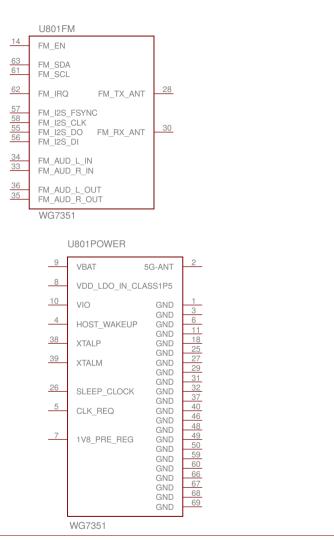








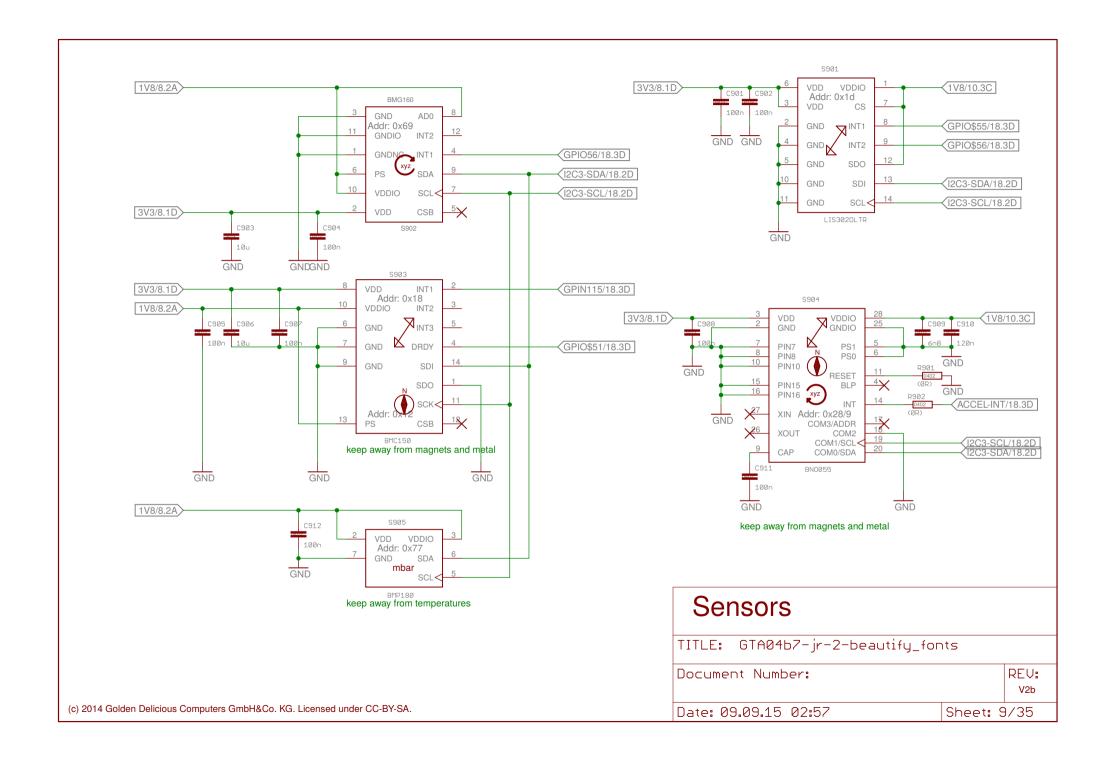


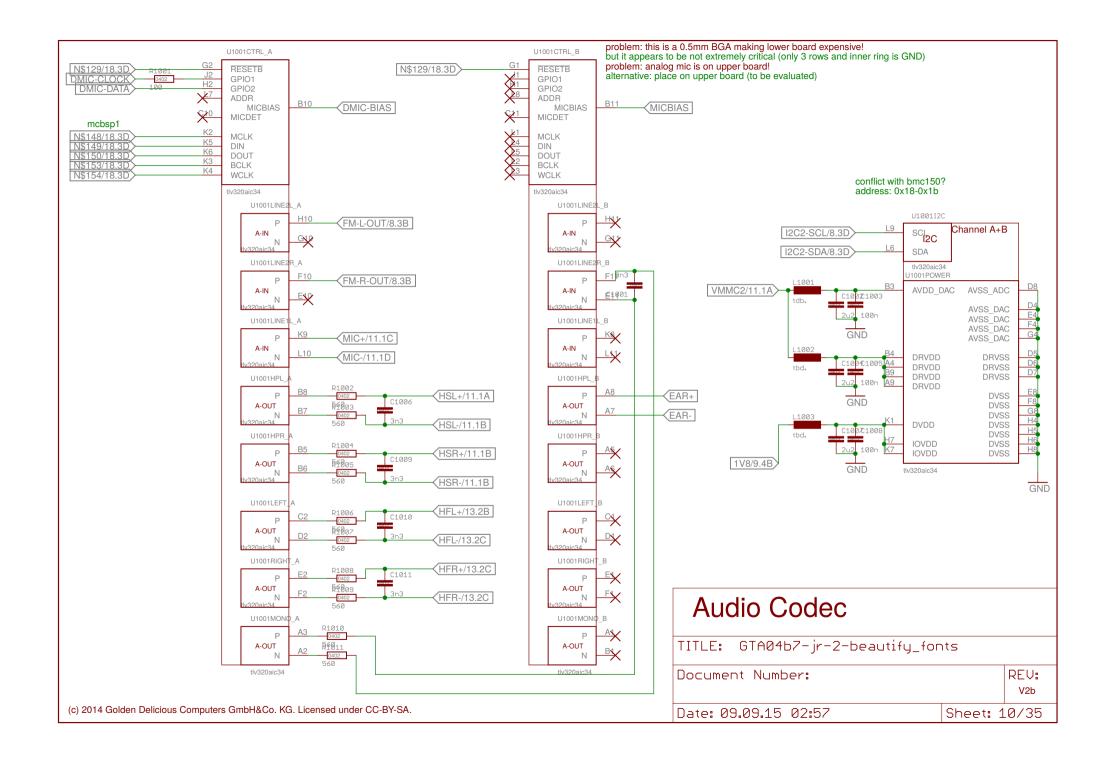


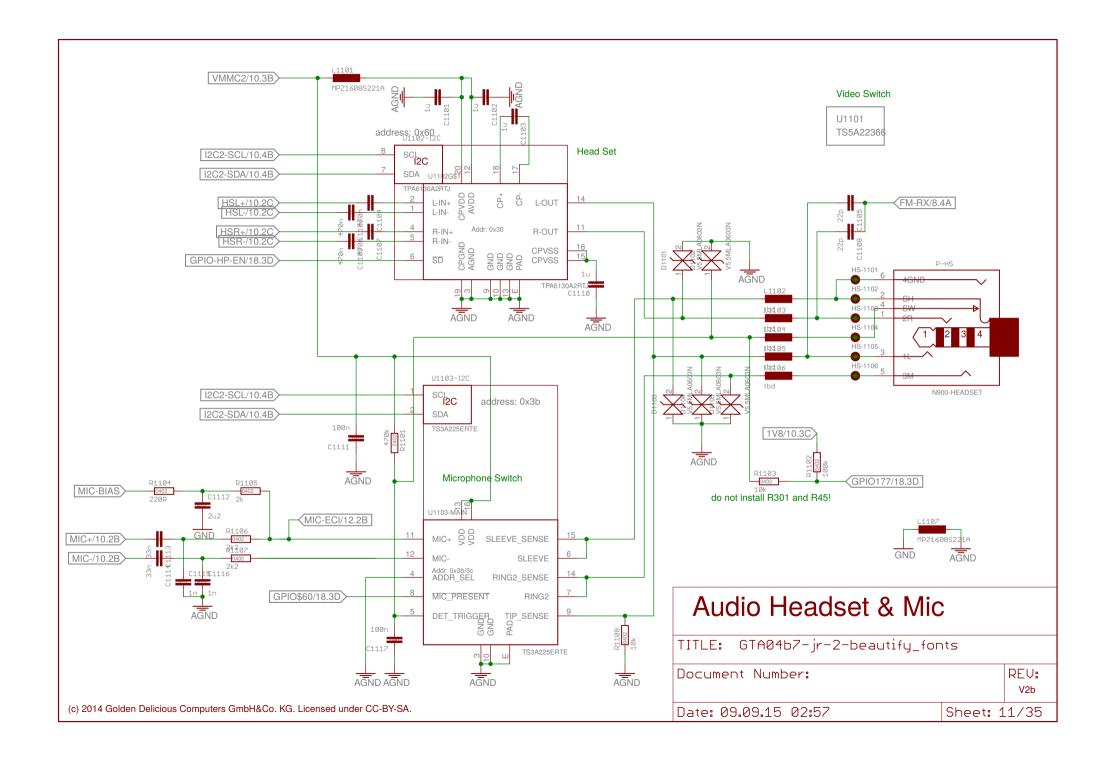
#### WLAN & Bluetooth & FM

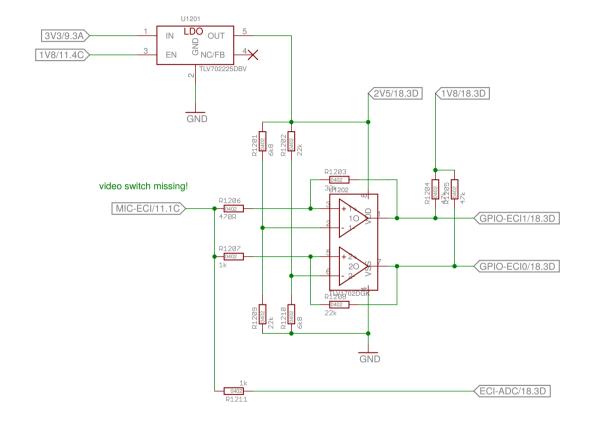
TITLE: GTA04b7-jr-2-beautify\_fonts

Document Number: REV: V2b

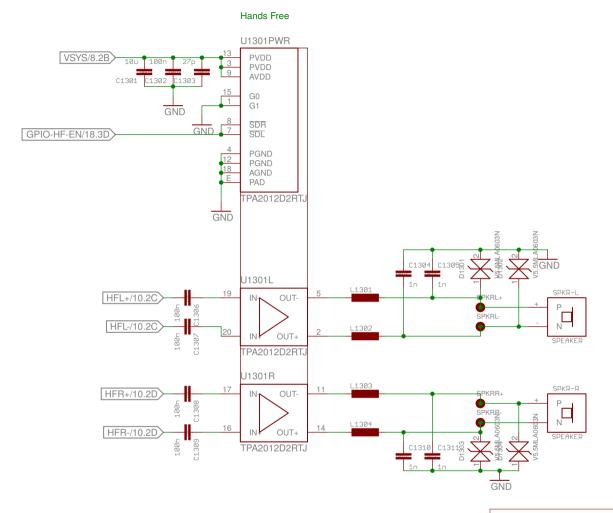








# ECI TITLE: GTA04b7-jr-2-beautify\_fonts Document Number: REV: V2b Date: 09.09.15 02:57 Sheet: 12/35



### Audio Handsfree

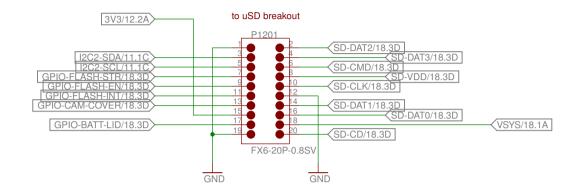
TITLE: GTA04b7-jr-2-beautify\_fonts

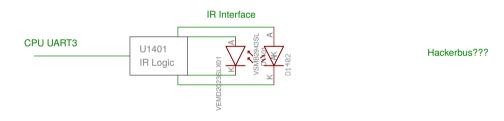
Document Number:

REV: V2b

Date: 09.09.15 02:57

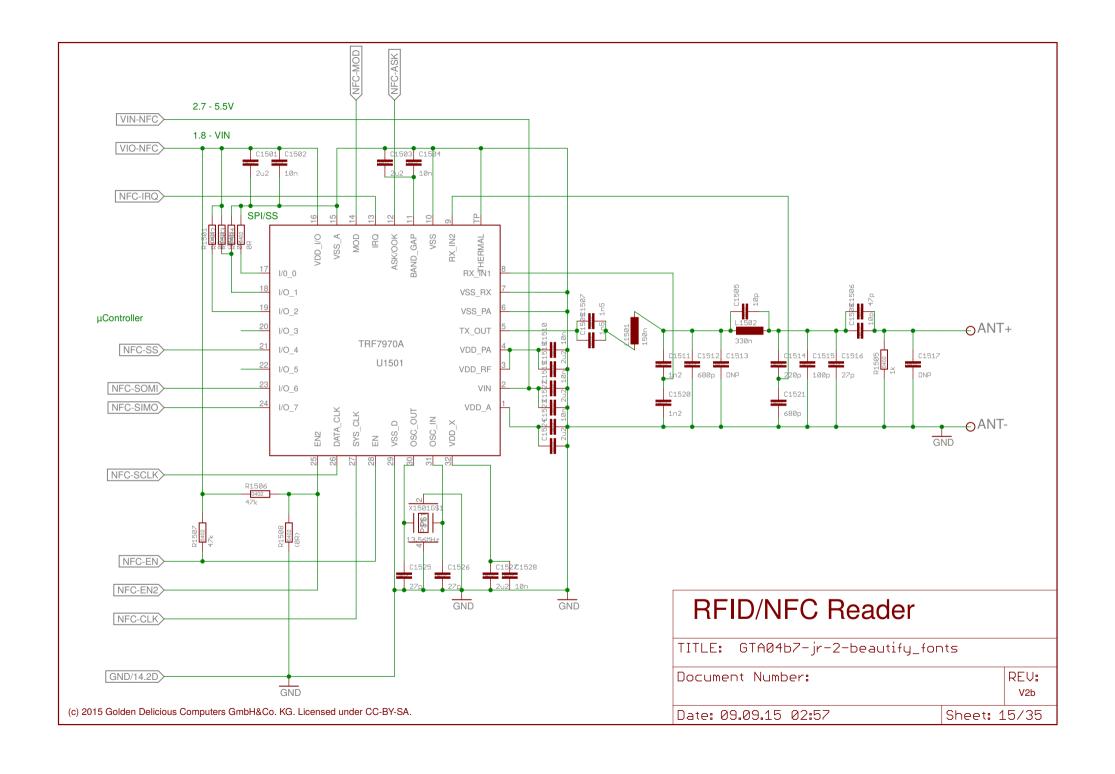
Sheet: 13/35







## Misc (lower) TITLE: GTA04b7-jr-2-beautify\_fonts Document Number: REV: v2b Date: 09.09.15 02:57 Sheet: 14/35

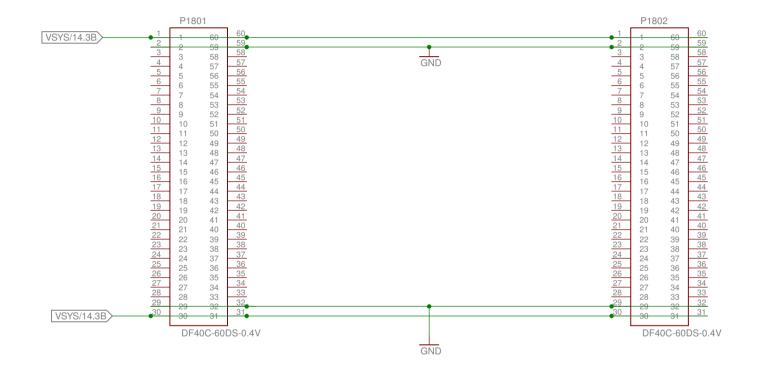


|   | Hackerbus                          |              |
|---|------------------------------------|--------------|
|   | TITLE: GTA04b7-jr-2-beautify_fonts |              |
|   | Document Number:                   | REU:         |
|   |                                    | V2b          |
| (c) 2015 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA. | Date: 09.09.15 02:57               | Sheet: 16/35 |
|   |                                    |              |

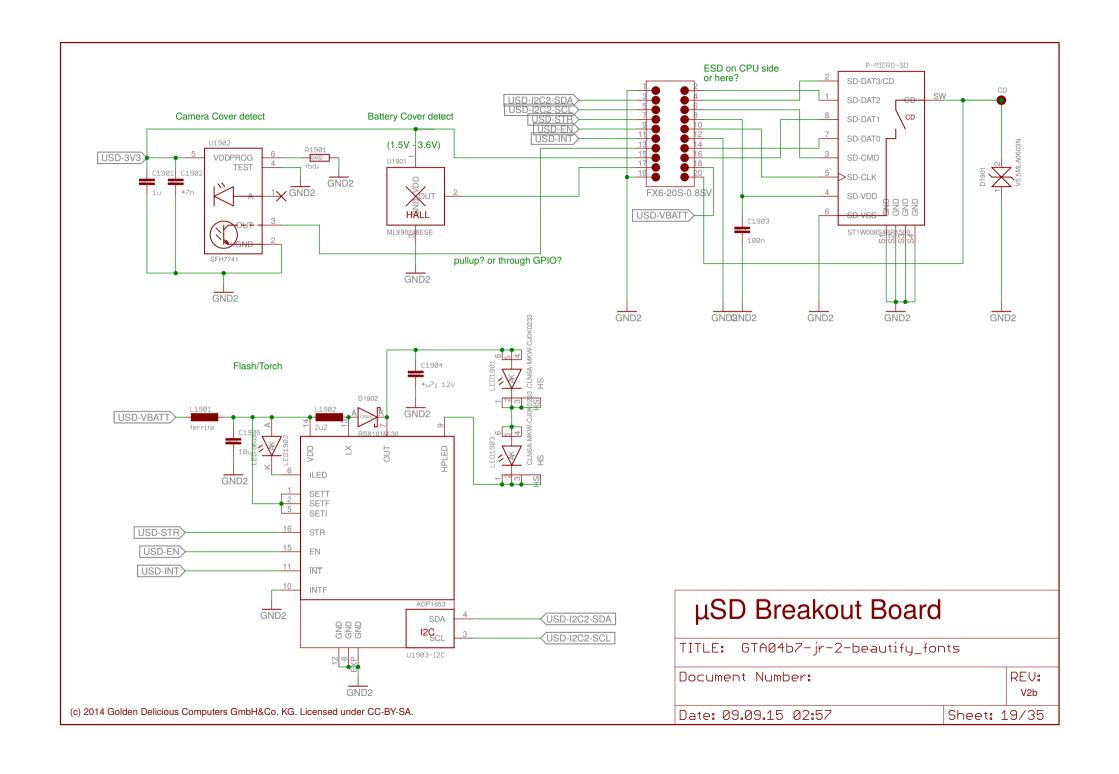
|   | Infrared                           |              |
|---|------------------------------------|--------------|
|   |                                    |              |
|   | TITLE: GTA04b7-jr-2-beautify_fonts |              |
|   | Document Number:                   | REU:         |
|   |                                    | V2b          |
| (c) 2015 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-SA. | Data: 09 09 15 02:57               |              |
| (-)   | Date: 09.09.15 02:57               | Sheet: 17/35 |

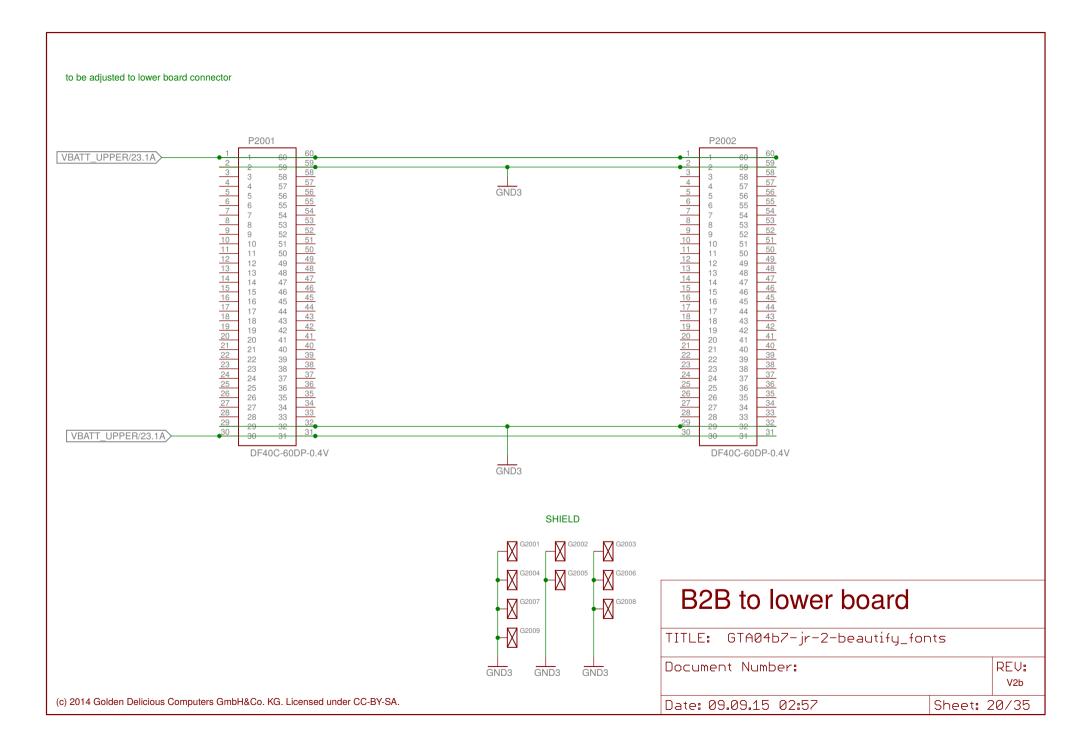
| ca. 130 signals (to be counted exactly after definition          | on of upper/lower split)                           |
|--|--|
| ,  | MMC3-DATA1/8.1A                                    |
|  | WINGS-DATA 1/0. TA                                 |
|  | MMC3-DATA2/8.1A                                    |
|  | MMC3-DATA3/8.1A                                    |
|  | GPIO-WLAN-IRQ/8.1A                                 |
|  | GPIO-BT-EN/8.1C                                    |
|  |  |
|  | UART1-RTS/8.1C                                     |
|  | UARTI-R15/8.1C                                     |
|  | <u>UART1-CTS/8.1D</u>                              |
|  | UART1-RTS/8.1C<br>UART1-CTS/8.1D<br>UART1-TX/8.1D  |
|  | MCBSP3-FCK/8.1D<br>MCBSP3-CLK/8.1D                 |
| LOCK-GPIO/1.2A   | MCBSP3-CLK/8.1D                                    |
| POWERON/1.3A   | MCBSP3-DR/8.1D                                     |
| GPIO-VOL+/1.2B   | MCBSP3-DX/8.1D                                     |
| GPIO-VOL-/1.2B   | SYSCLK/8.3C  |
| CAM1-GPIO/1.3B   | 32KHZ/8.3D   |
| CAM2-GPIO/1.3C   | GPIO-FM-EN/8.3A                                    |
| UANIZ-GF10/1.30  | CDIO FMIDO/0.3A                                    |
| 12C3-SDA/9.4C  | GPIO-FMIRQ/8.3A                                    |
| 12C3-SDA/9-4C<br>12C3-SCL/9-4C<br>12C3-SCL/9-4C<br>12C3-SCL/9-4C | MCBSP2-FCK/8.3A<br>MCBSP2-CLK/8.3A                 |
| CHG_IND/3.1B_>   | MCBSP2-CLK/8.3A                                    |
| N\$131/3.1C  | MCBSP2-DR/8.3A>                                    |
| N\$141/3.1C  | MÇBSP2-DX/8.3A                                     |
| N\$143/3.1C  | GPIN115/9.3B                                       |
| BATTEMP/5.4A   | GPIO56/9.3A  |
| GPIO-EN-MODEM  | GPIO\$51/9.3B                                      |
|  |  |
| 12C2-SDA/14.1A   | <u>GPIO\$55/9.4A</u>                               |
| 12C2-SCL/14.1A   | GPIO\$56/9.4A                                      |
| INA23 <u>1-INT/4.4C</u>  | ACCEL-INT/9.4C                                     |
| HDQ/5.2A>  | N\$129/10.2A                                       |
| HDQ/5.2A<br>GPIO\$70/7.3B  | N\$129/10.2A<br>N\$148/10.1A                       |
| GPI <u>O\$110/7.1D</u>   | N\$149/10.1A                                       |
| N\$19/7.2D   | N\$150/10.1A                                       |
| N\$229/7.3C  | N\$153/10.1A                                       |
| ADC\$114/7.1C  | N\$154/10.1A                                       |
| ADC1/7.4C>   | GPIO-ECI1/12.3B                                    |
| ADC2/7.4C  | GPIO-ECI0/12.3C                                    |
| GPIO-COMPARATOR/7.4D   | ECI-ADC/12.3C                                      |
| MCBSP4-DR/6.2A   | VMMC2/11.1A  |
| MCPCP4 DV/C 2A   | GPIO-HP-EN/11.1B                                   |
| MCBSP4-DX/6.2A<br>MCBSP4-CLKX/6.2A<br>MCBSP4-FSX/6.2A            |  |
| MCBSP4-CLKA/6.2A   | GPIO\$60/11.2D                                     |
| MCBSP4-FSX/6.2A  | GPI0177/11.4C                                      |
| UART?-RTS/6.2U   | GPIO-HF-EN/13.1B                                   |
| _UART?-CTS/6.2C  | GPIO-FLASH-STR/14.1A                               |
| UART?-RX/6.2C  | GPIO-FLASH-EN/14.1A                                |
| UAR <u>T?-TX/6.2C</u> >  | GPIO-FLASH-INT/14.1A                               |
| RING/6.2C  | GPIO-BATT-LID/14.1B                                |
| GPIO-MODEM IGT/6.3A  | SD-CMD/14.2A                                       |
| GPIO-MODEM EMERG/6 3A  | SD-CLK/14.2A                                       |
| EMERG OFF/6.3B   | SD-CD/14.2B  |
| LPWB_IND/6.3B  | SD-VDD/14.2A                                       |
| EMERG OFF/6.3B<br>PWR IND/6.3B                                   | SD-DAT0/14.2B                                      |
| CTATUC/C 2D  |  |
| STATUS/6.3B  | SD-DAT1/14.2B                                      |
| 3G-WOE/6.3B  | SD-DAT2/14.2A                                      |
| GPIO\$52/7.4A  | SD-DAT3/14.2A                                      |
| GPIO-WLAN-EN/8.1A  | <u>VIB+/14.1D</u> >                                |
| MMC3-CLK/8.1A  | VIB-/14.1D   |
| MMC3-CMD/8.1A  | 3V3/14.1A  |
| MMC3-DATA0/8.1A  | 2V5/12.3B  |
|  | 1V8/12.3B  |
|  | <u>VBUS/3.1B</u> ≻                                 |
|  | 2V5/12.3B<br>1V8/12.3B<br>VBUS/3.1B<br>OTG-D-/3.1B |
|  | OTG-D+/3.1B  |
|  | OTG-ID/2.2B  |
|  | VBUS-MODEM/6.3B                                    |
|  | USB-WWAN-D+/6.3B                                   |
|  | USB-WWAN-D-/6.3B                                   |
|  | 2V7/7.4C   |
|  | GPIO-CAM-COVER/14.1B                               |
|  | R\$38  |
|  | INDOO  |
|  |  |

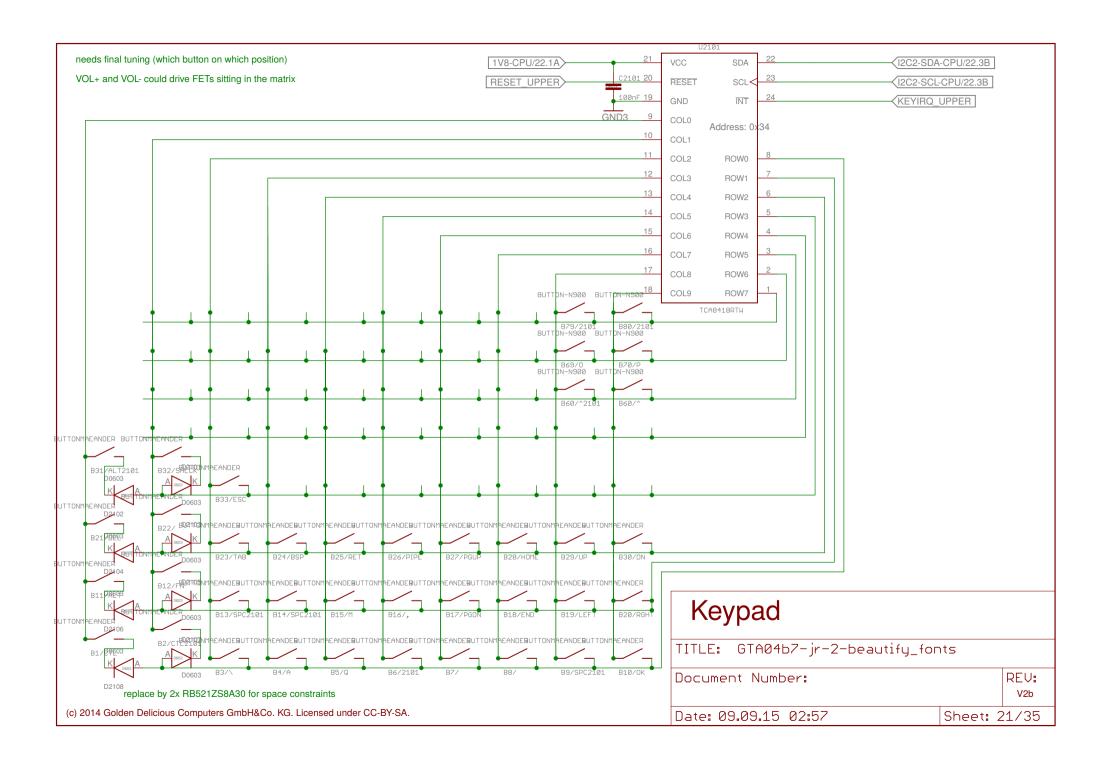
Pin assignment musr be optimized for final component placement we might have to switch to 80 or 100 pin connectors

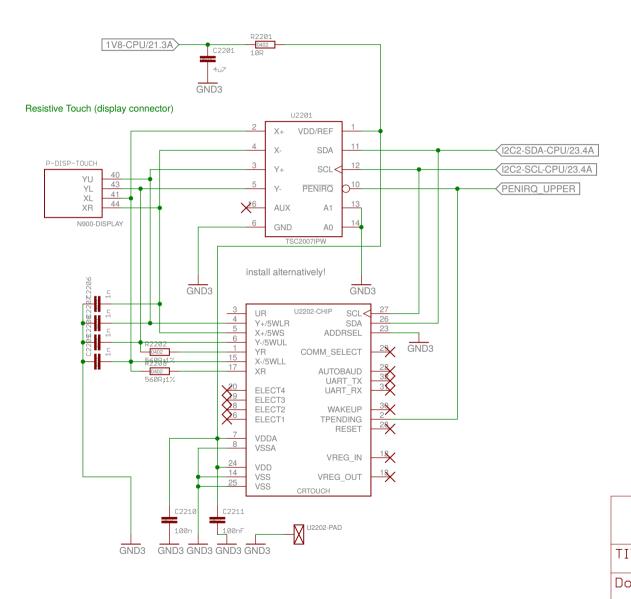


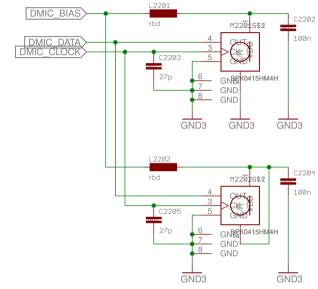
# B2B to upper board TITLE: GTA04b7-jr-2-beautify\_fonts Document Number: REU: V2b Date: 09.09.15 02:57 Sheet: 18/35











### Display-Peripherals

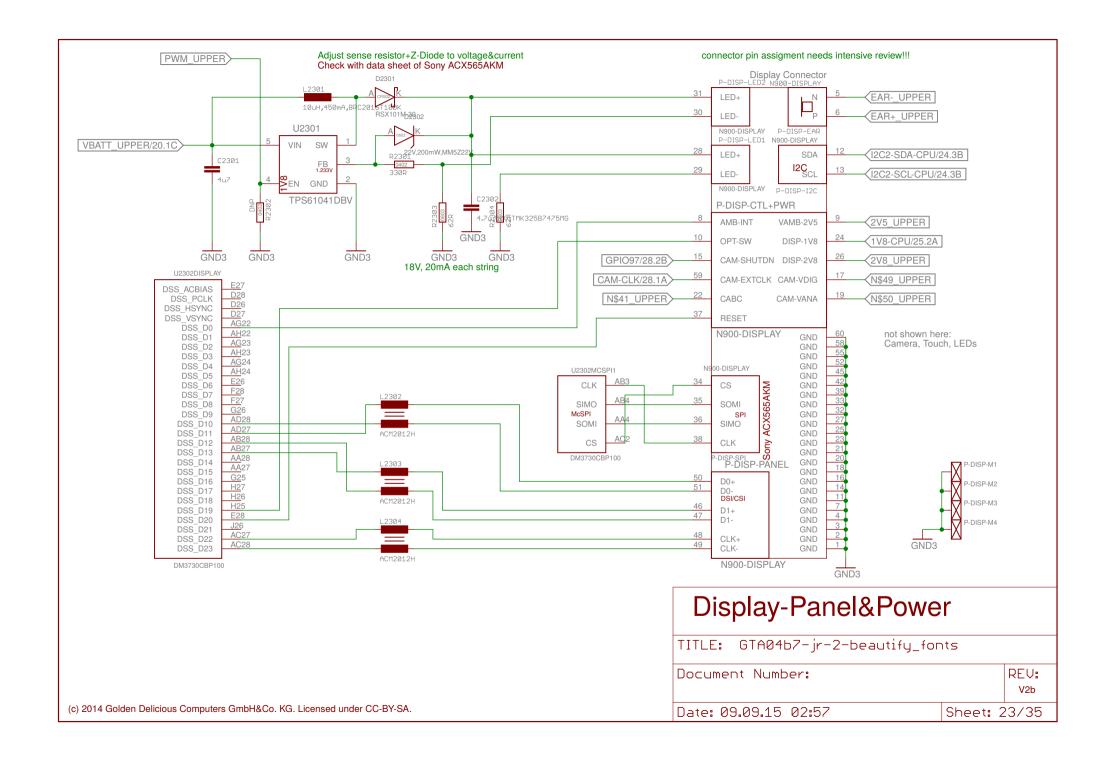
TITLE: GTA04b7-jr-2-beautify\_fonts

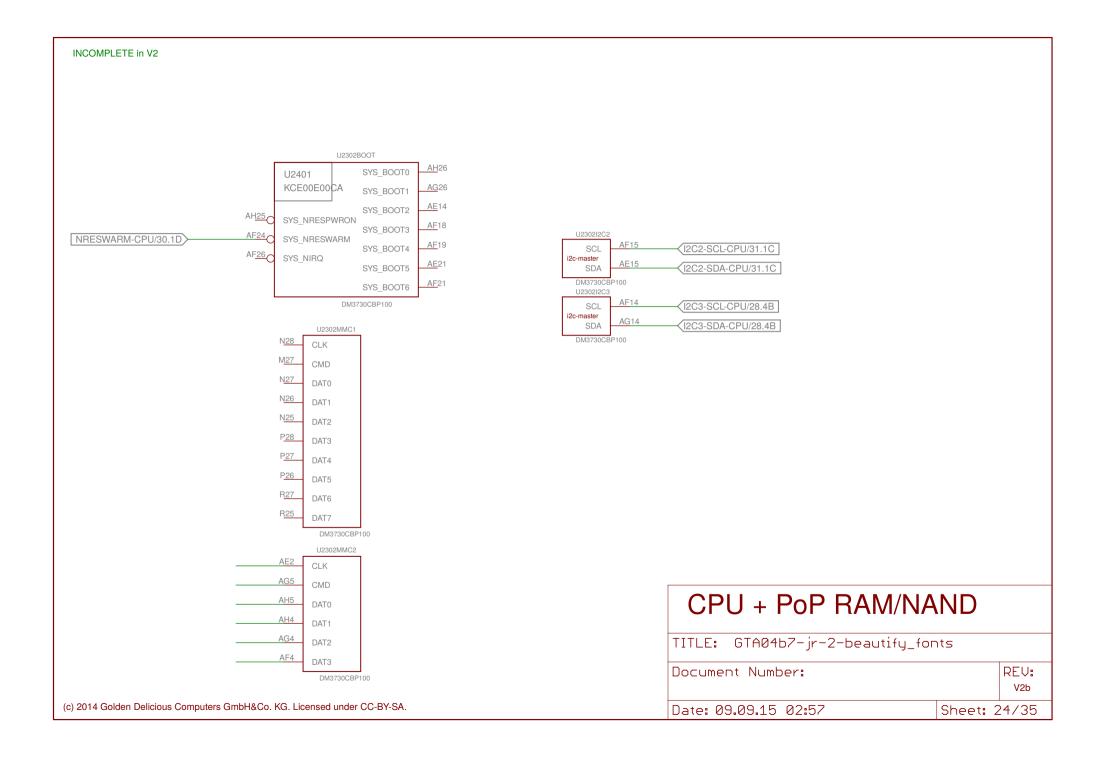
Document Number:

REU: V2b

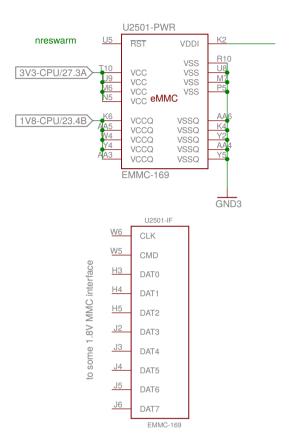
Date: 09.09.15 02:57

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### eMMC

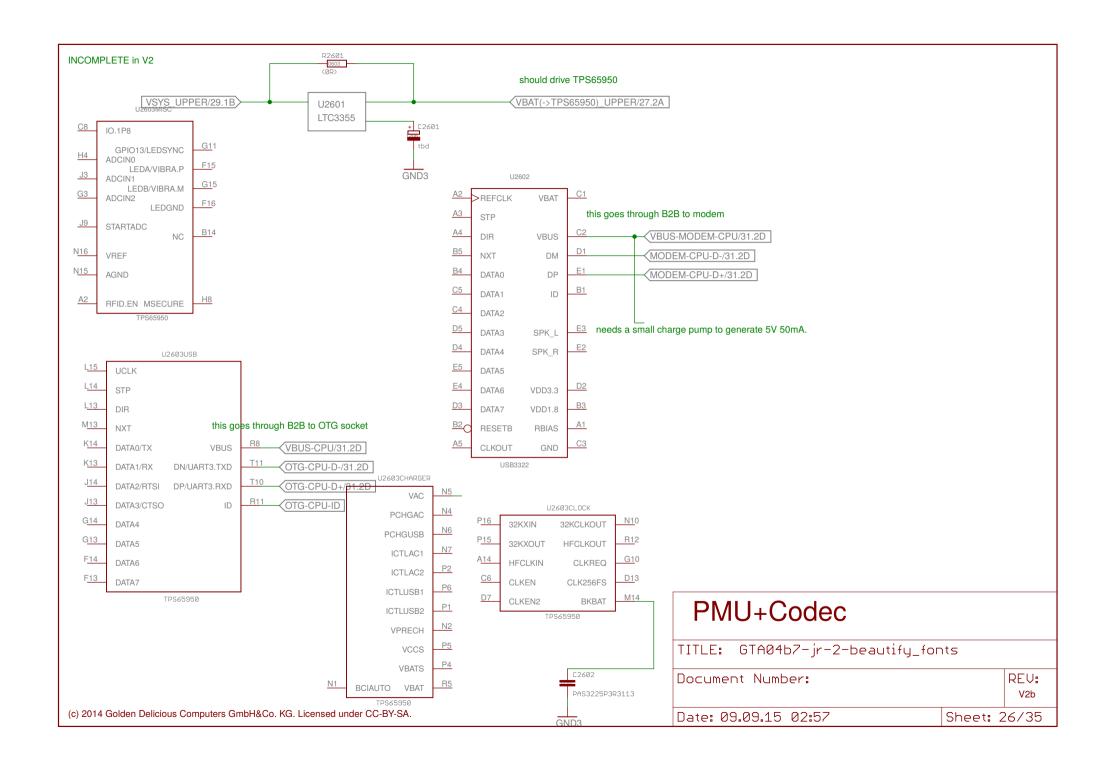
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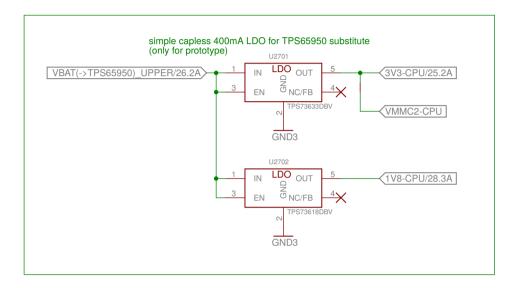
Document Number:

REU: V2b

Date: 09.09.15 02:57

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## BB-XM Dummy (TWL4030)

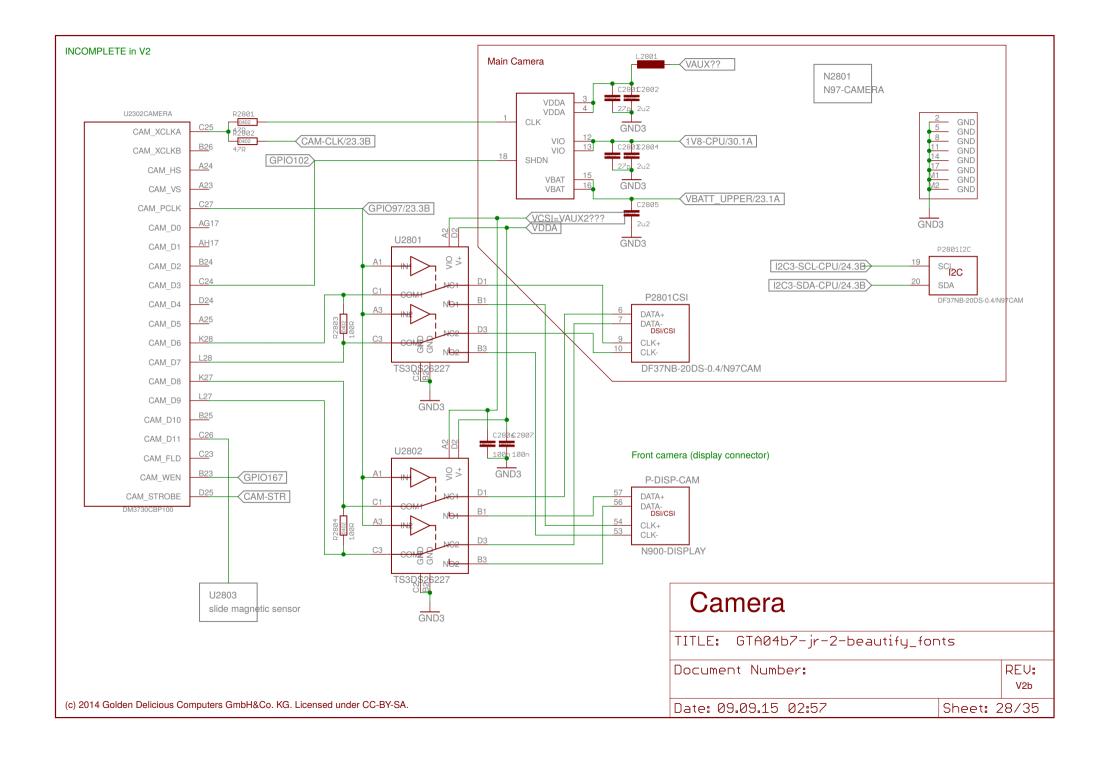
TITLE: GTA04b7-jr-2-beautify\_fonts

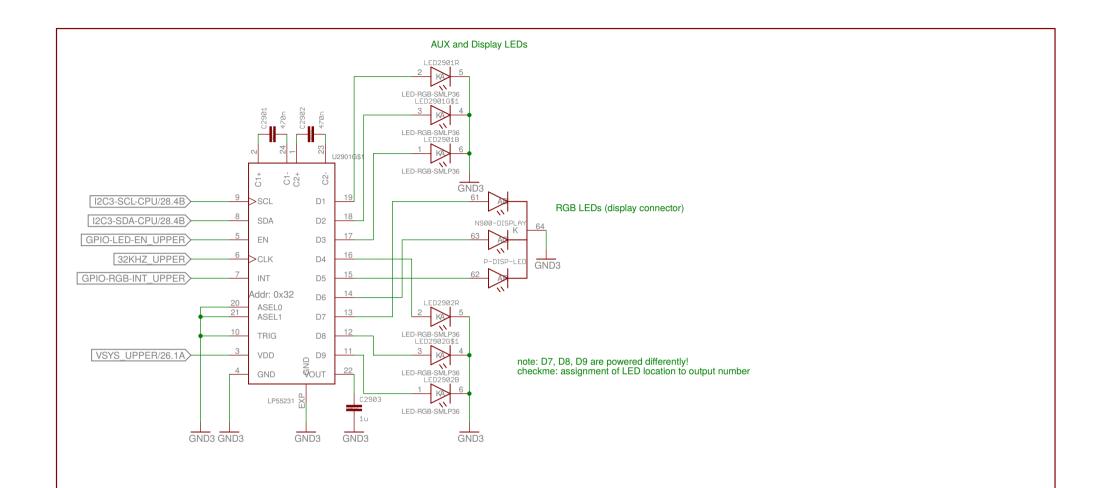
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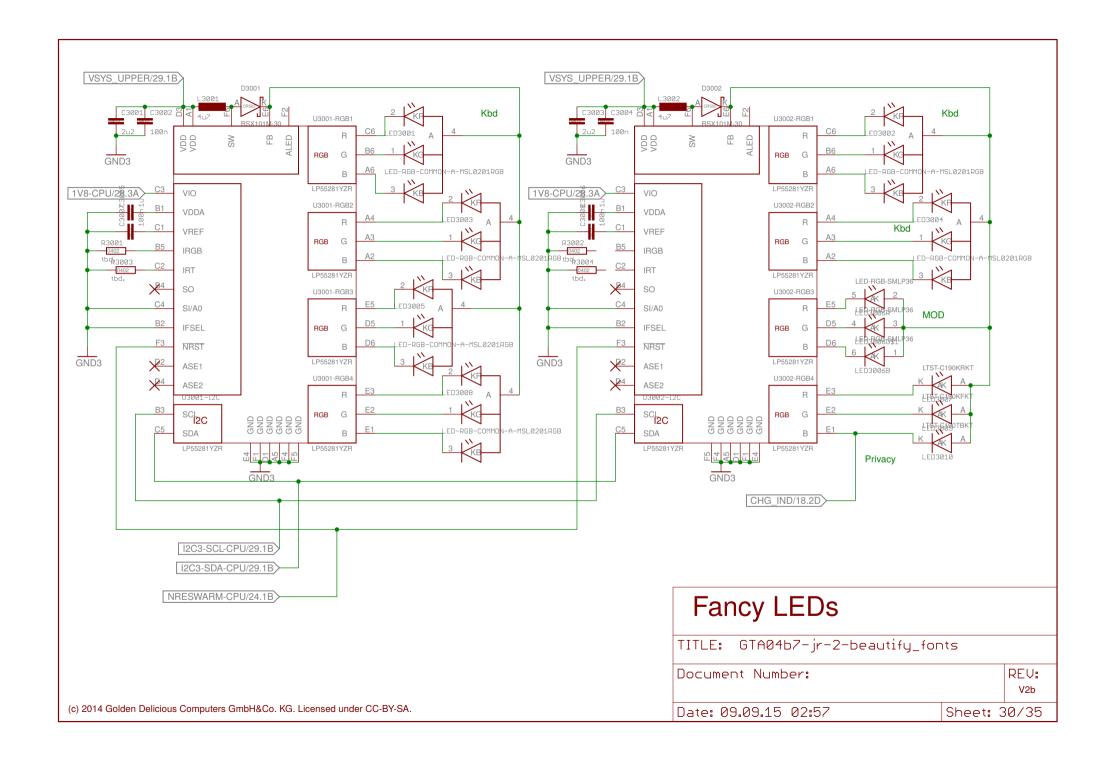
Date: 09.09.15 02:57

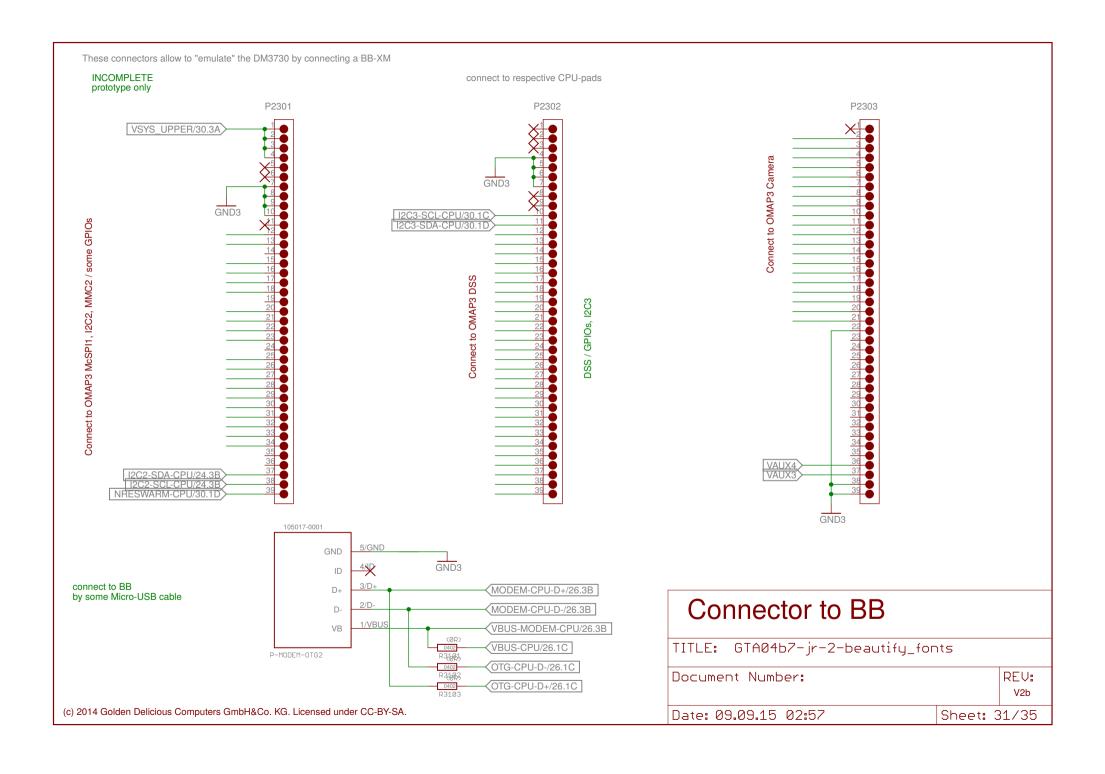
Sheet: 27/35

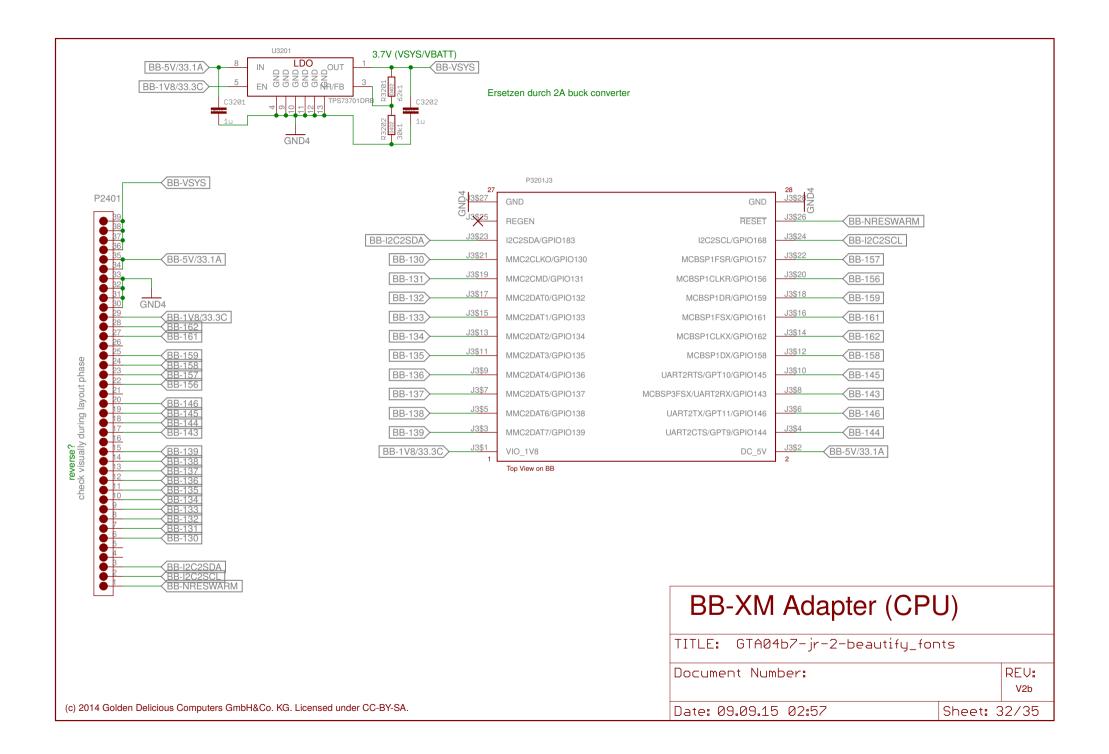


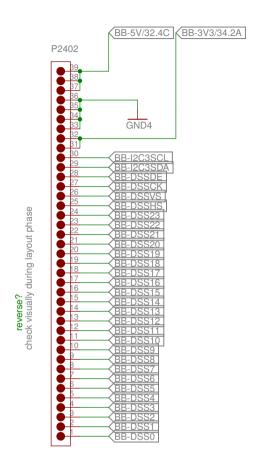


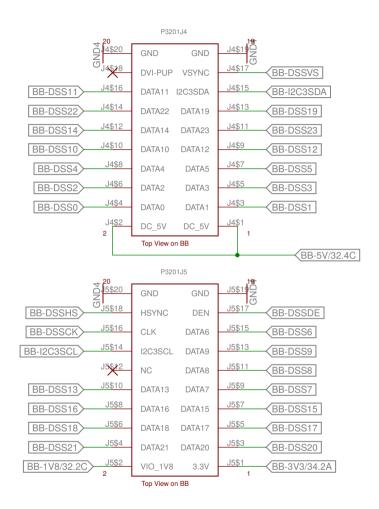
| LEDs                             |          |             |
|----------------------------------|----------|-------------|
| TITLE: GTA04b7-jr-2-beautify_for | nts      |             |
| Document Number:                 |          | REU:<br>V2b |
| Date: 09.09.15 02:57             | Sheet: 2 | 29/35       |



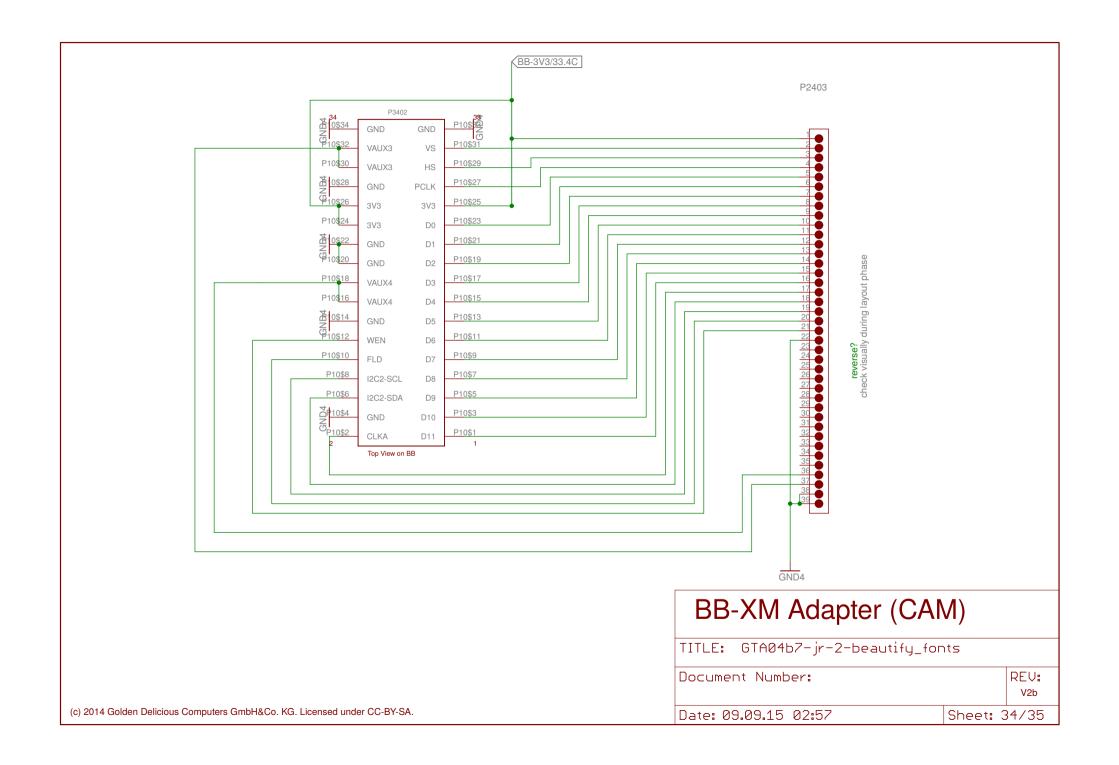








## BB-XM Adapter (DISP) TITLE: GTA04b7-jr-2-beautify\_fonts Document Number: REU: V2b Date: 09.09.15 02:57 Sheet: 33/35



Molex Jumper cables to connect BB-XM-Adapter to Uppwer board N3501 N3502 N3503 15015-0439 15015-043\$ 15015-043 CPU DISP CAM N3504 N900 case assembly N3505 N3506 N97-CAMERA-HOLE headset jad N3507 STENCIL-TOP N3508 STENCIL-BOTTOM **No-Solder Components** TITLE: GTA04b7-jr-2-beautify\_fonts Document Number: REV:

Date: 09.09.15 02:57 Sheet: 35/35