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Block Diagram

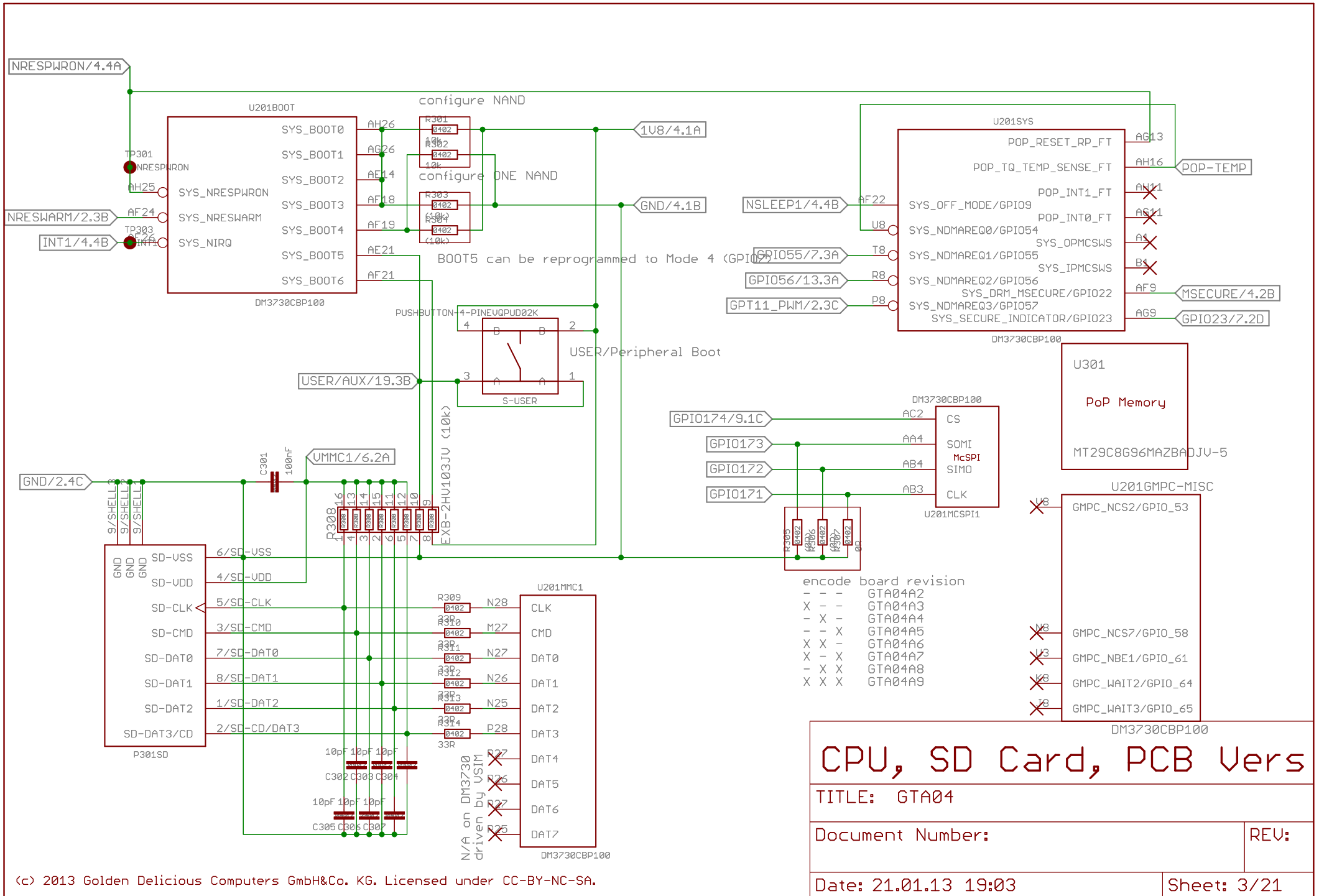
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CPU, SD Card, PCB Vers

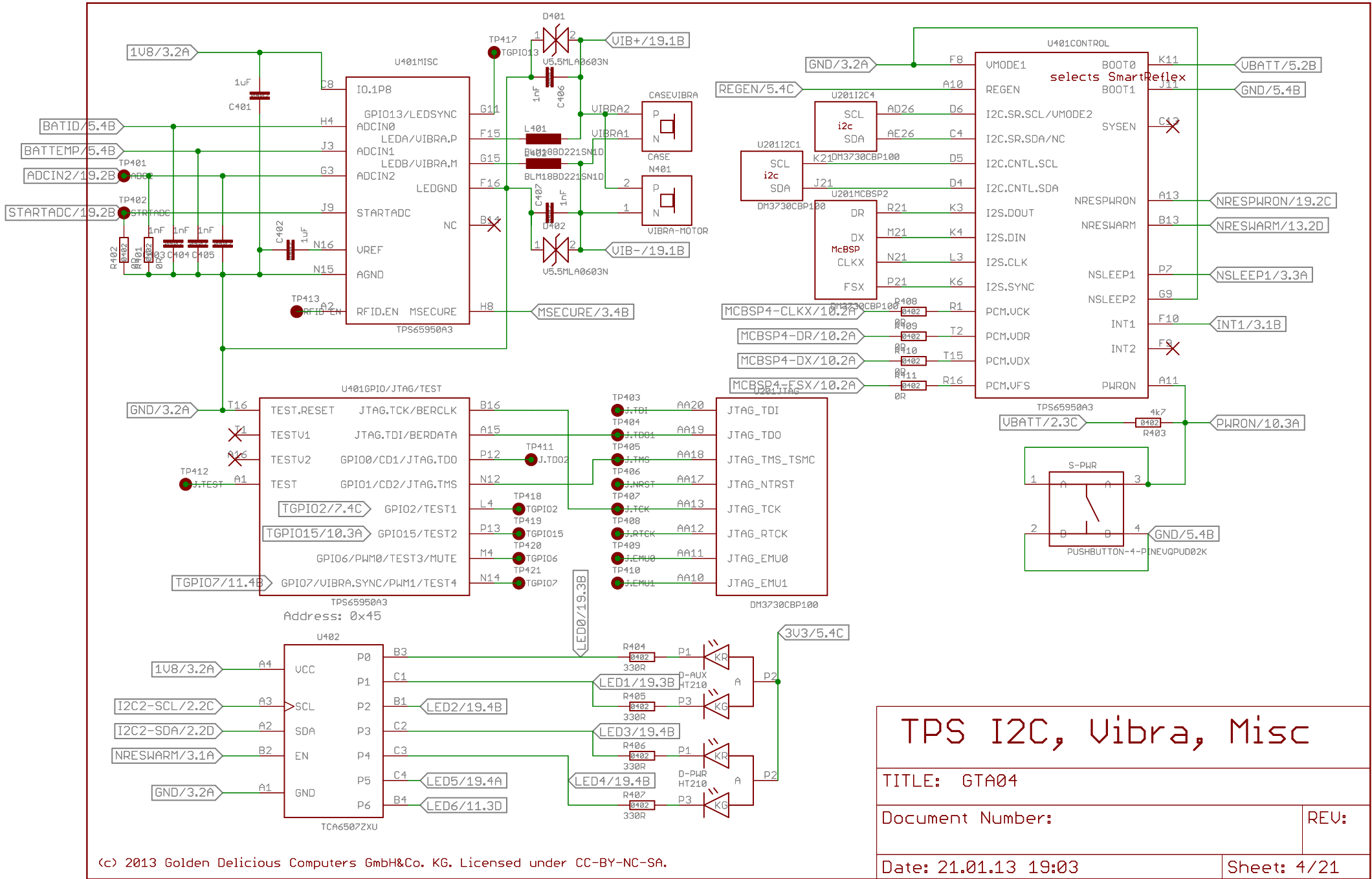
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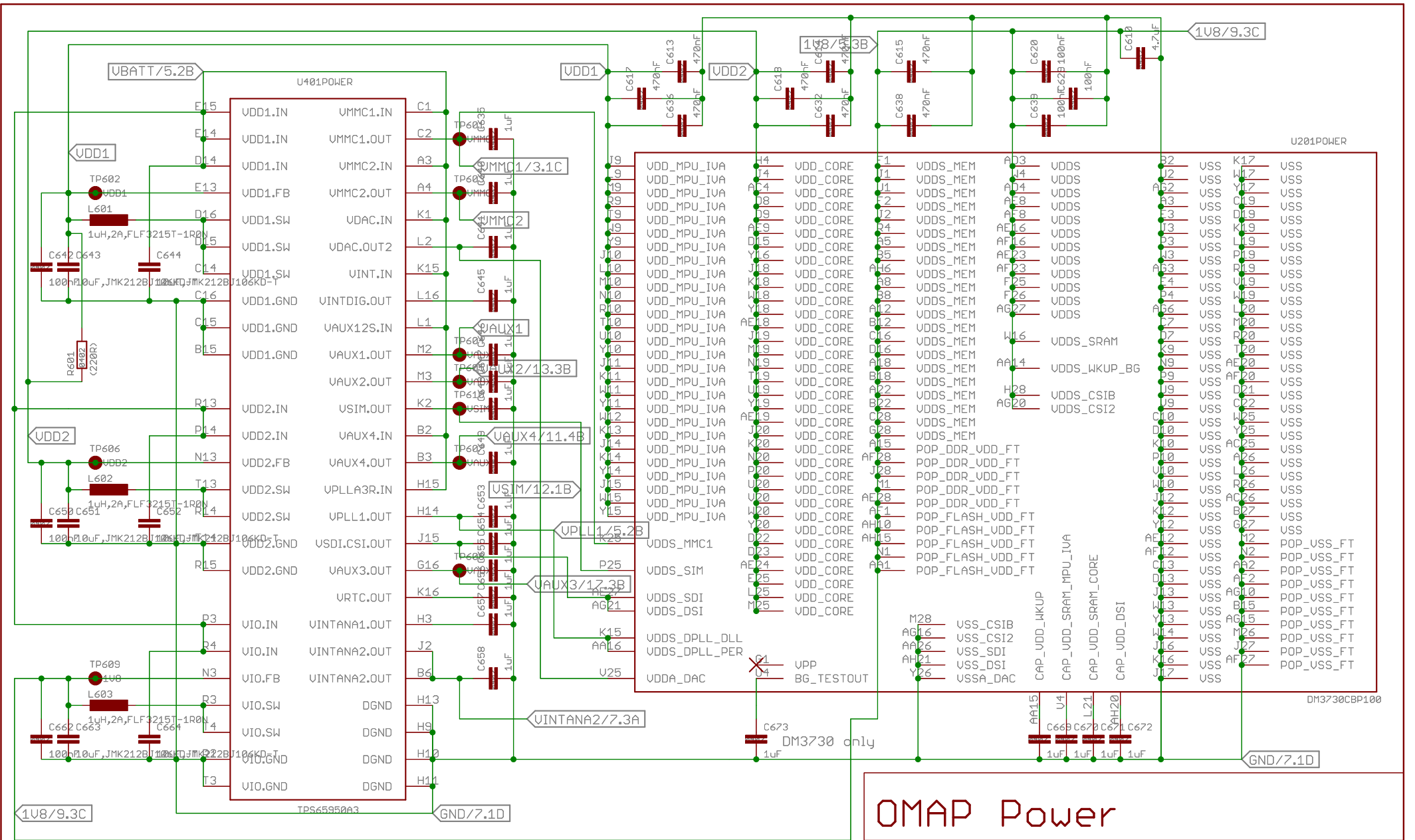


TPS I2C, Vibra, Misc

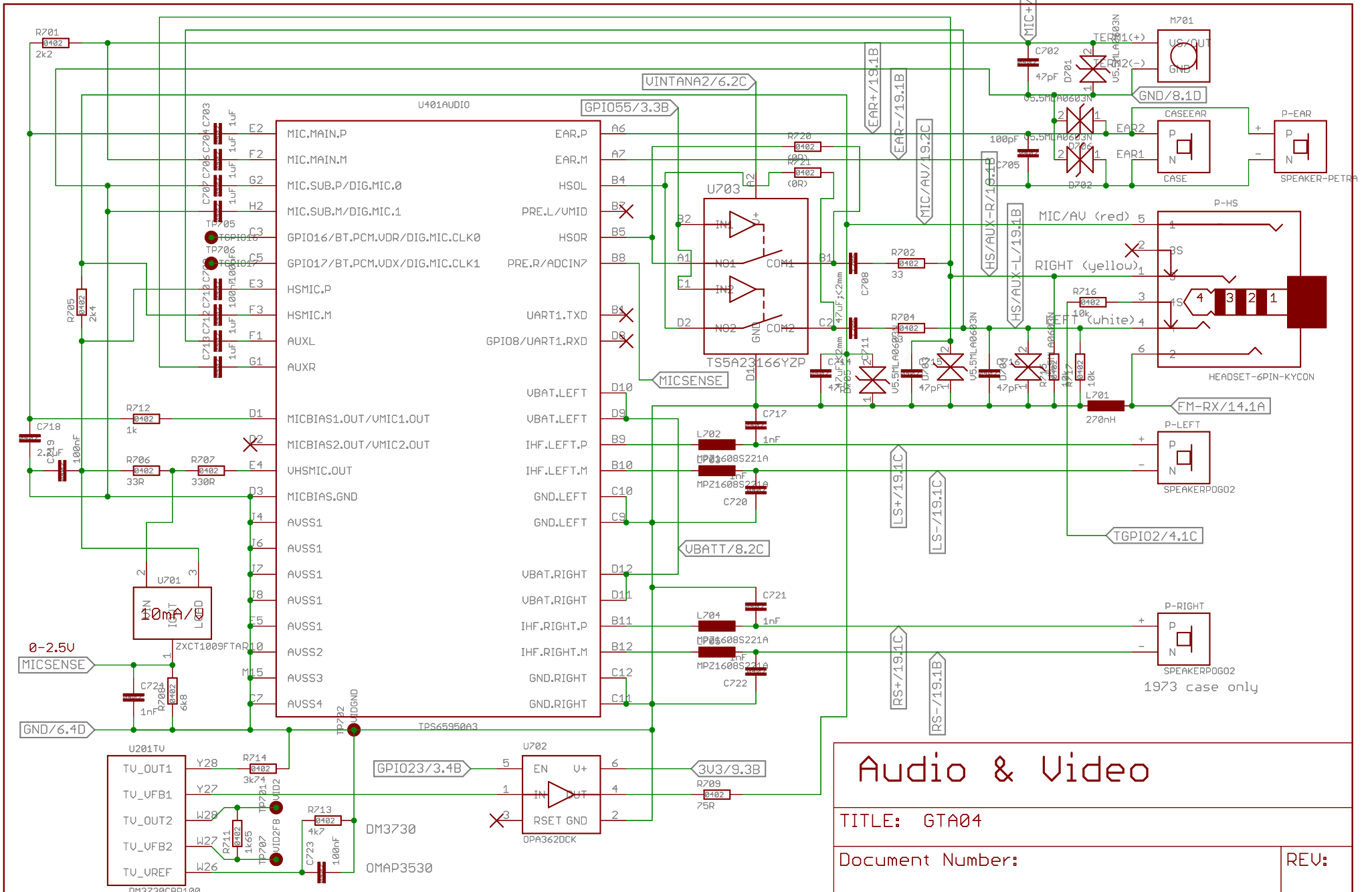
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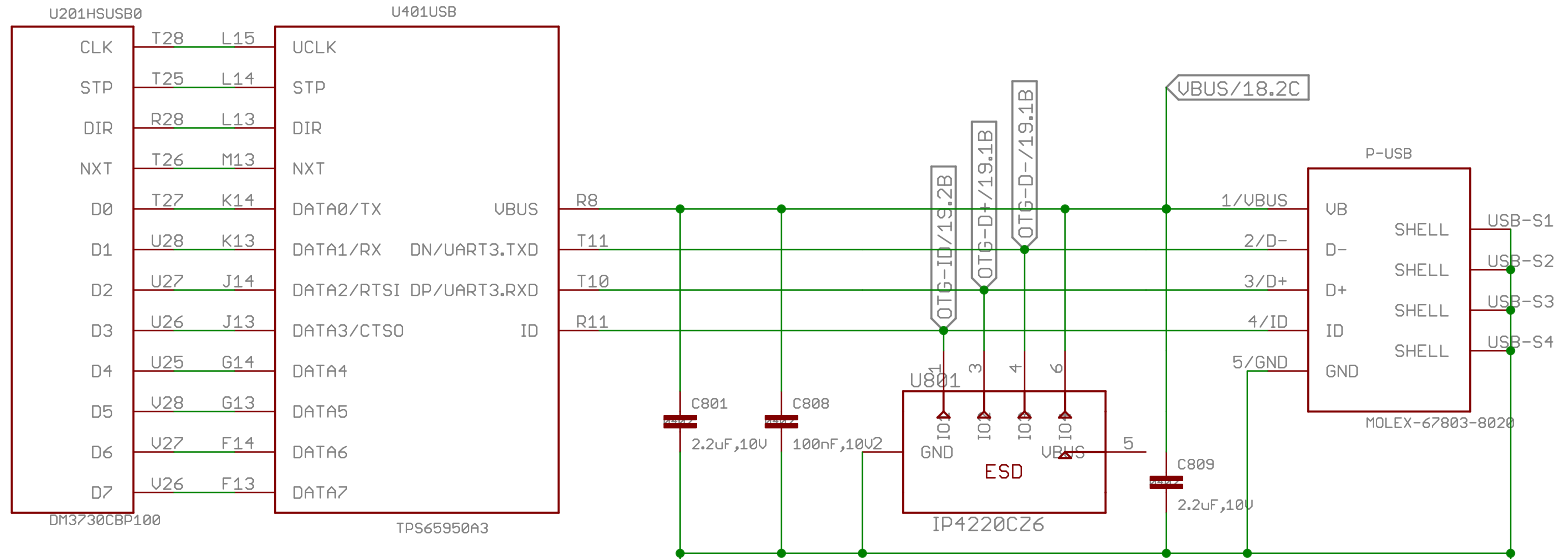
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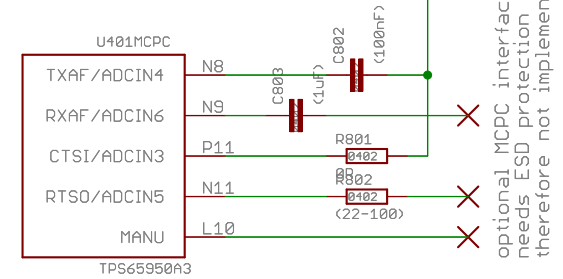
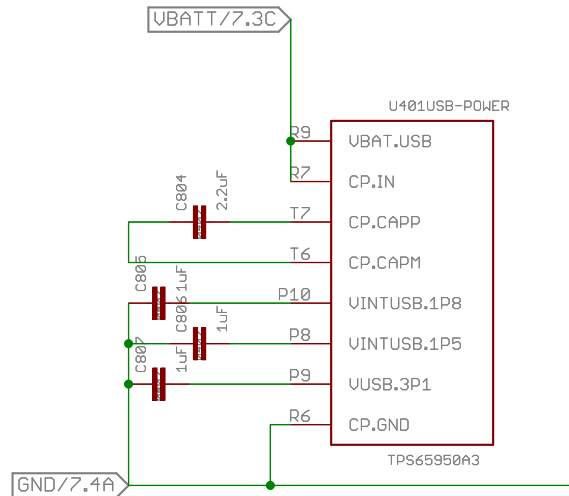
<h1>OMAP Power</h1>	
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<h1>Audio & Video</h1>	
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This takes one diode of I04 to protect reverse current flowing from D+ to VBUS
 This happens if the board indicates Fast Speed mode by pulling up D+ although there is no host (VBUS should be 0)



optional MCP interface needs ESD protection therefore not implemented

USB-OTG, MCPC

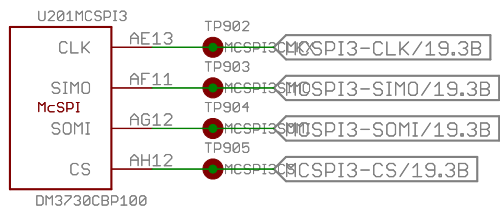
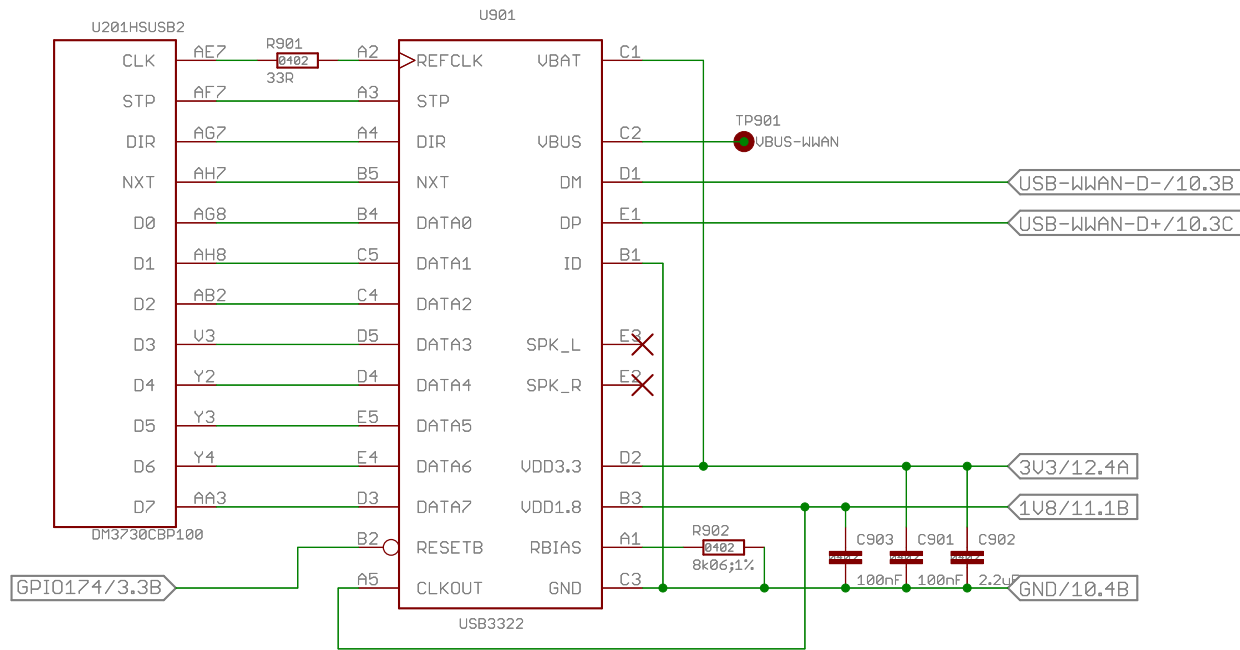
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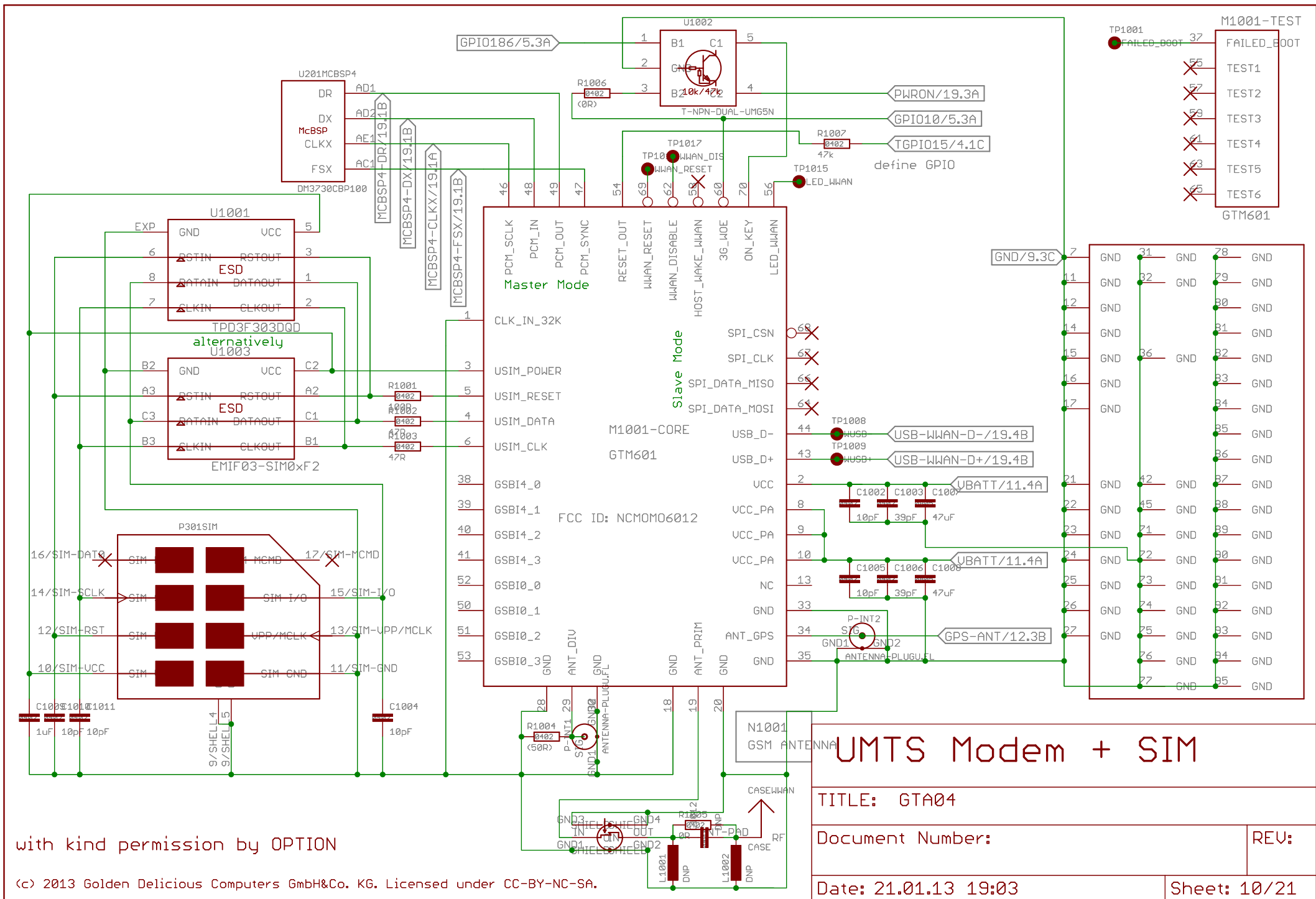
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<h1>internal USB&expansion</h1>	
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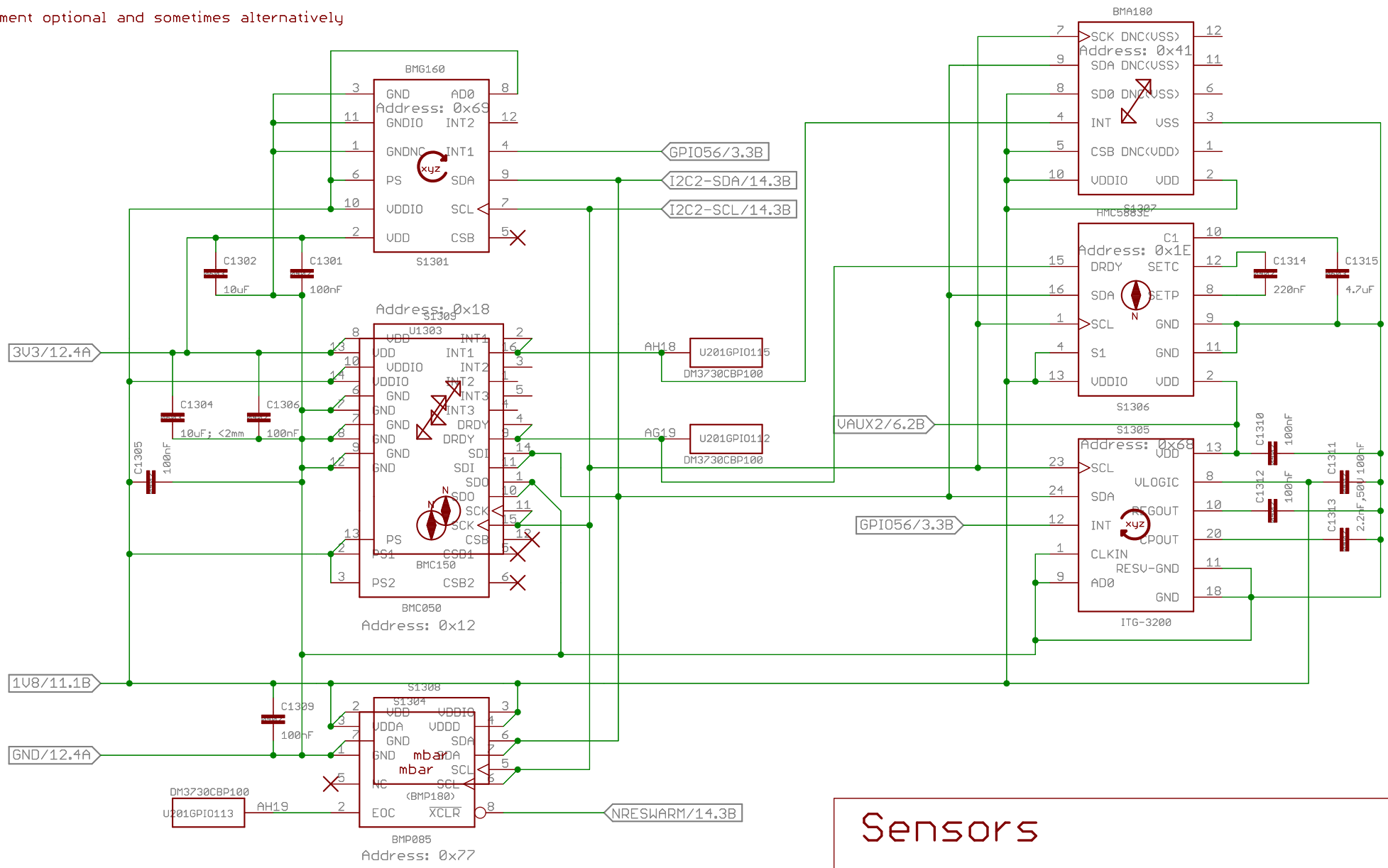
with kind permission by OPTION

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UMTS Modem + SIM

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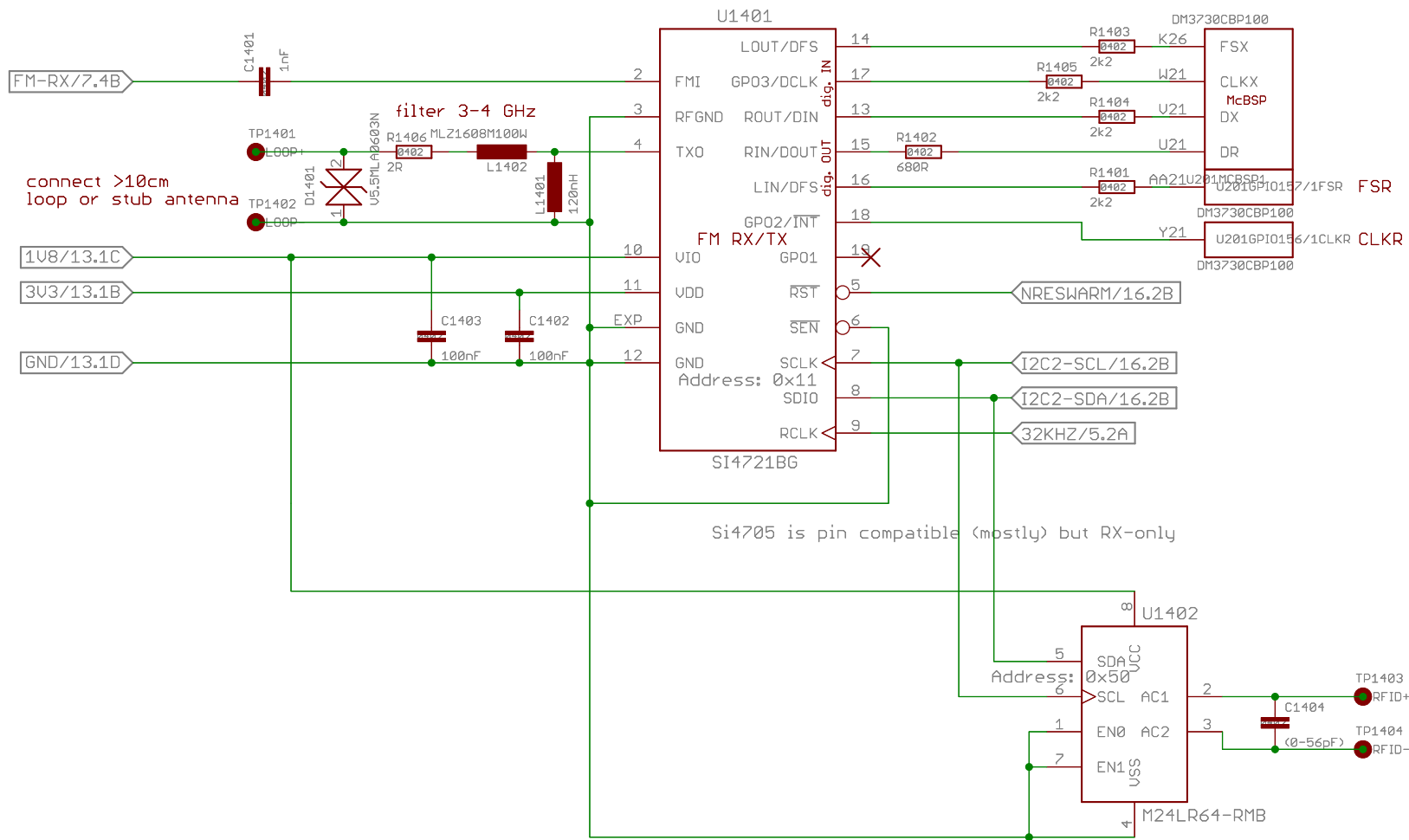
placement optional and sometimes alternatively



Sensors

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placement optional



Si4705 is pin compatible (mostly) but RX-only

FM TRX & RFID-EEPROM

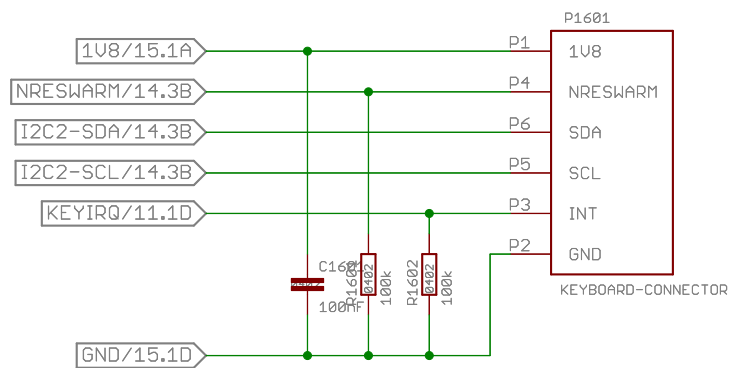
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Keypad

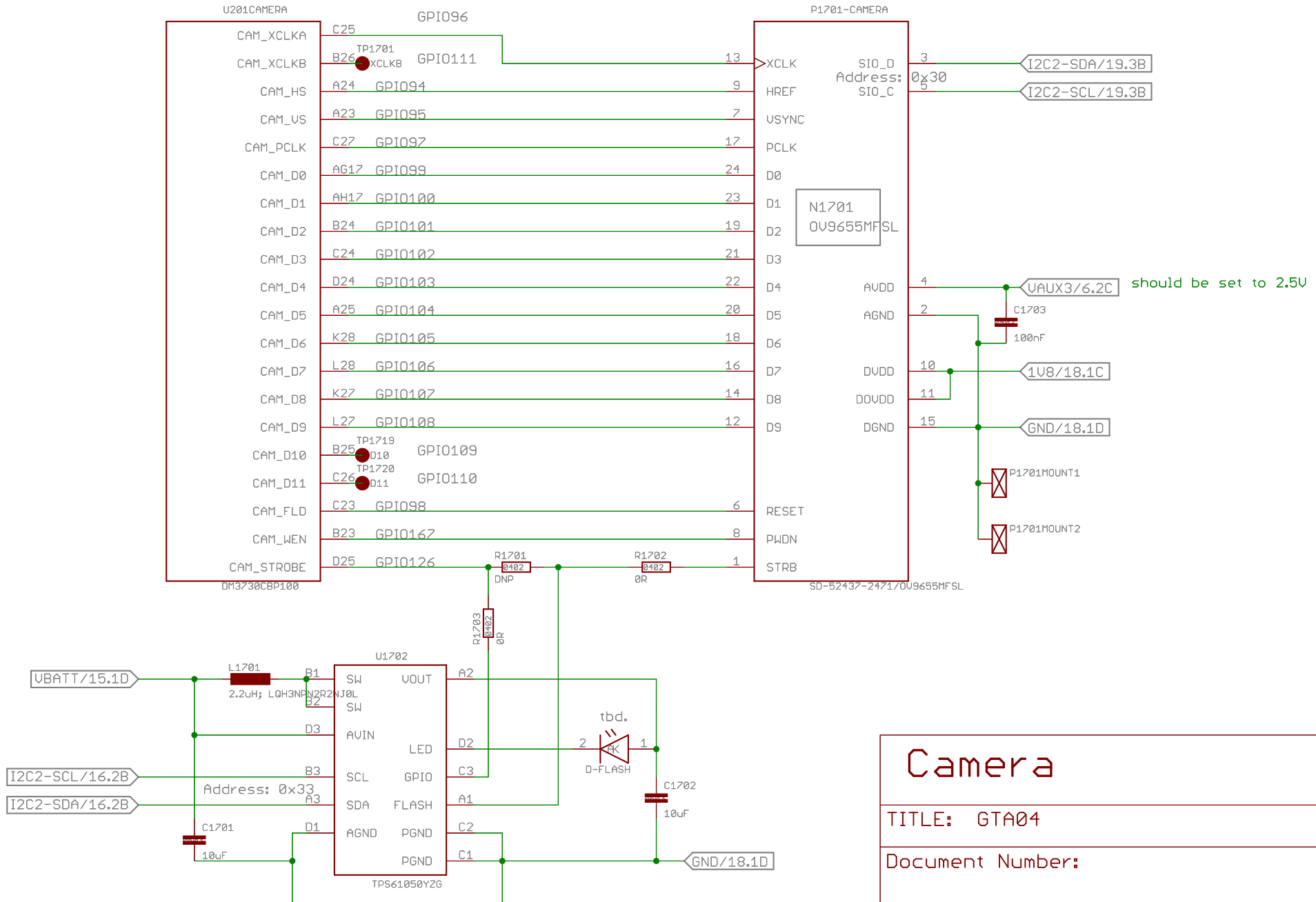
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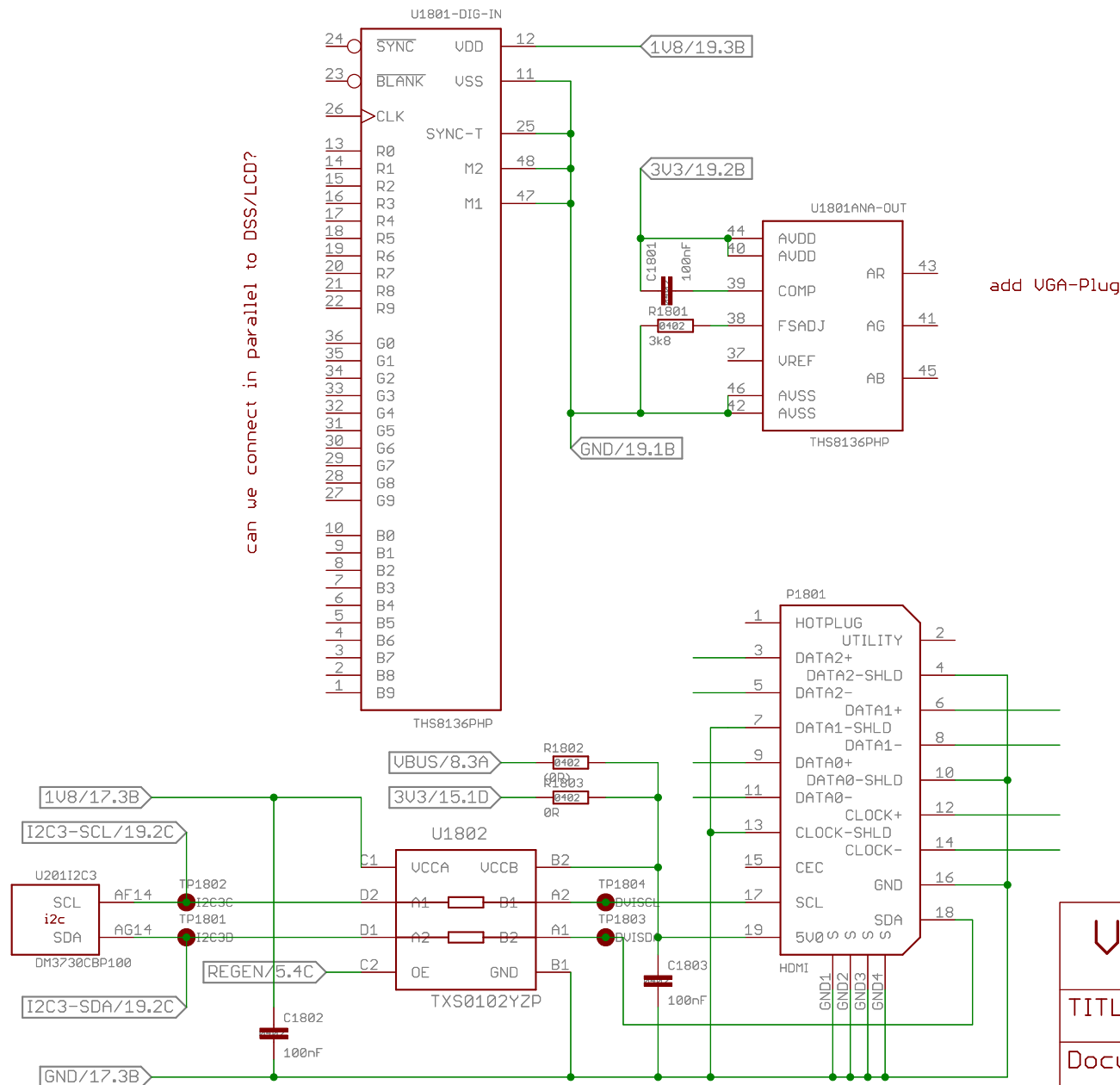
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<h1>Camera</h1>	
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currently not implemented (no room)



can we connect in parallel to DSS/LCD?

add VGA-Plug

add TFP410 for DVI-D

VGA/DVI-D/HDMI Out

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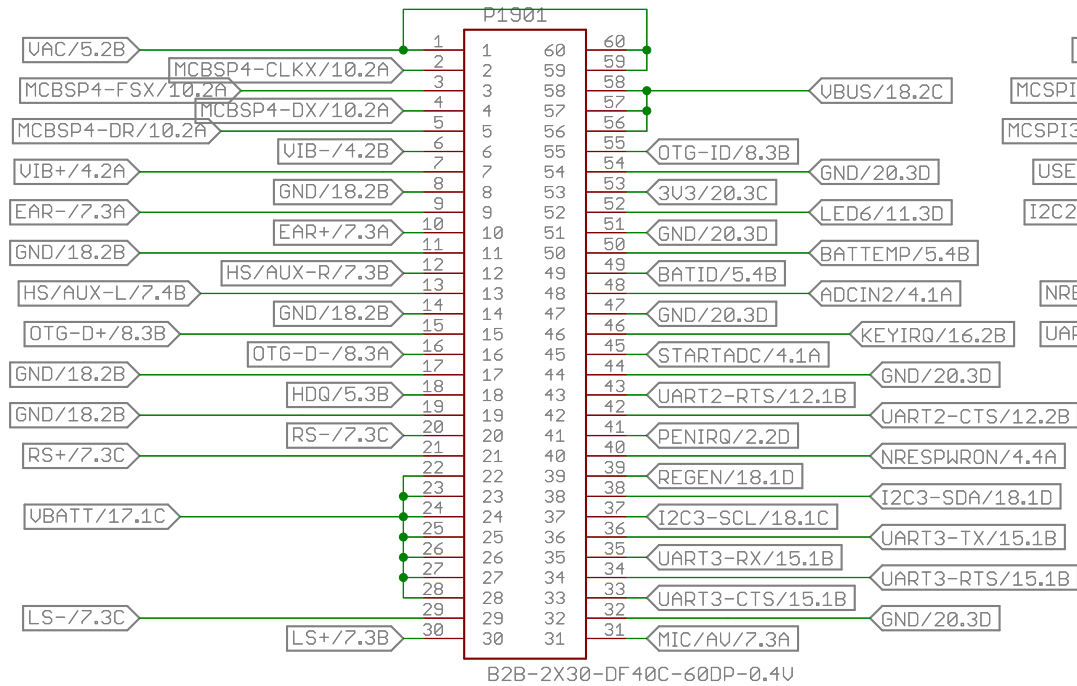
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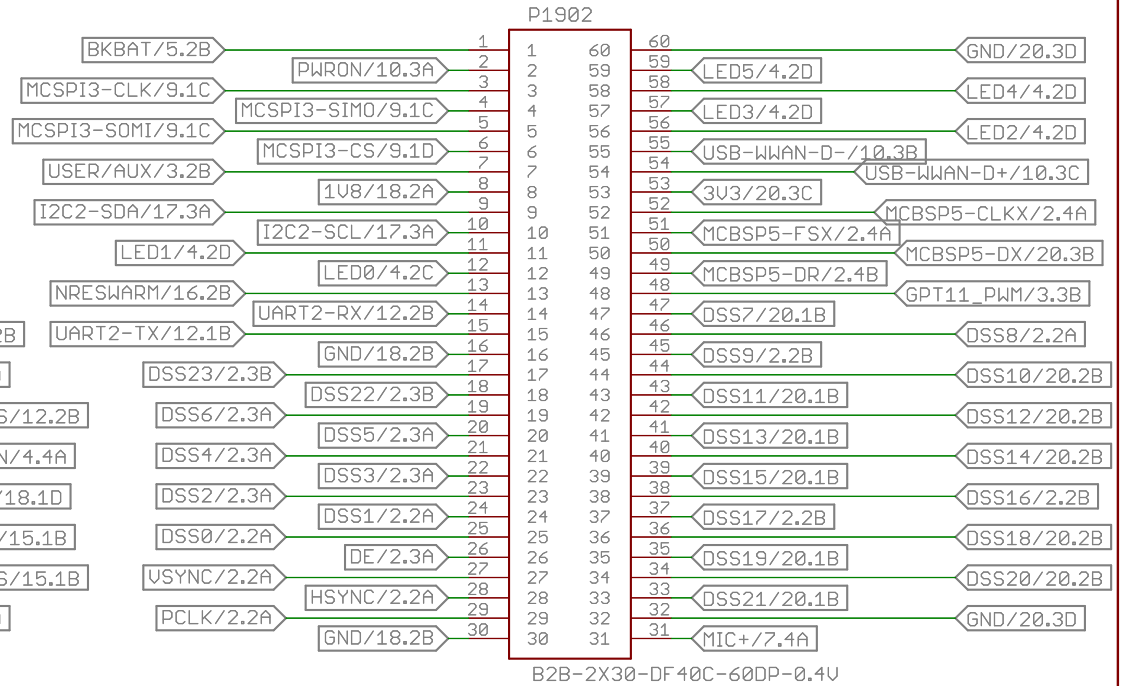
optional - can only be used if device is operated as a module without standard LCD

A/U, RS232, I2C, OTG, Power



max. 0.3A per pin

Display, LED, WWAN-USB



max. 0.3A per pin

Expansion Connectors

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