

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

Buttons

TITLE: GTA04b7_lower

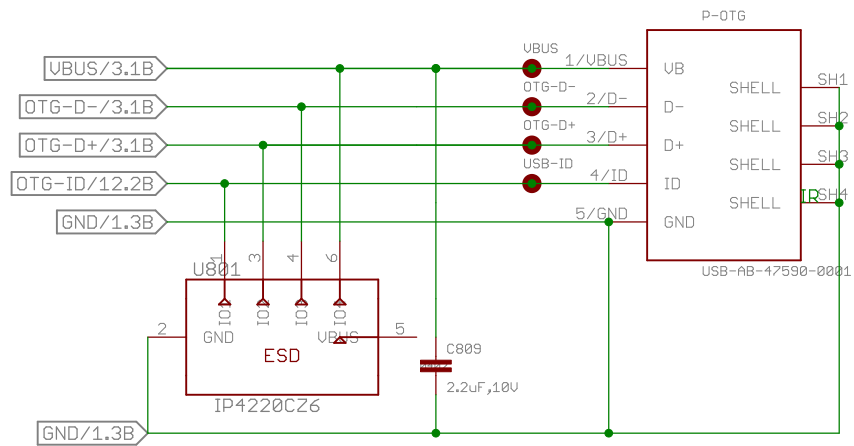
Document Number:

REV:

Date: 17.05.14 19:17

Sheet: 1/14

Layout: place test points in battery bay



OTG

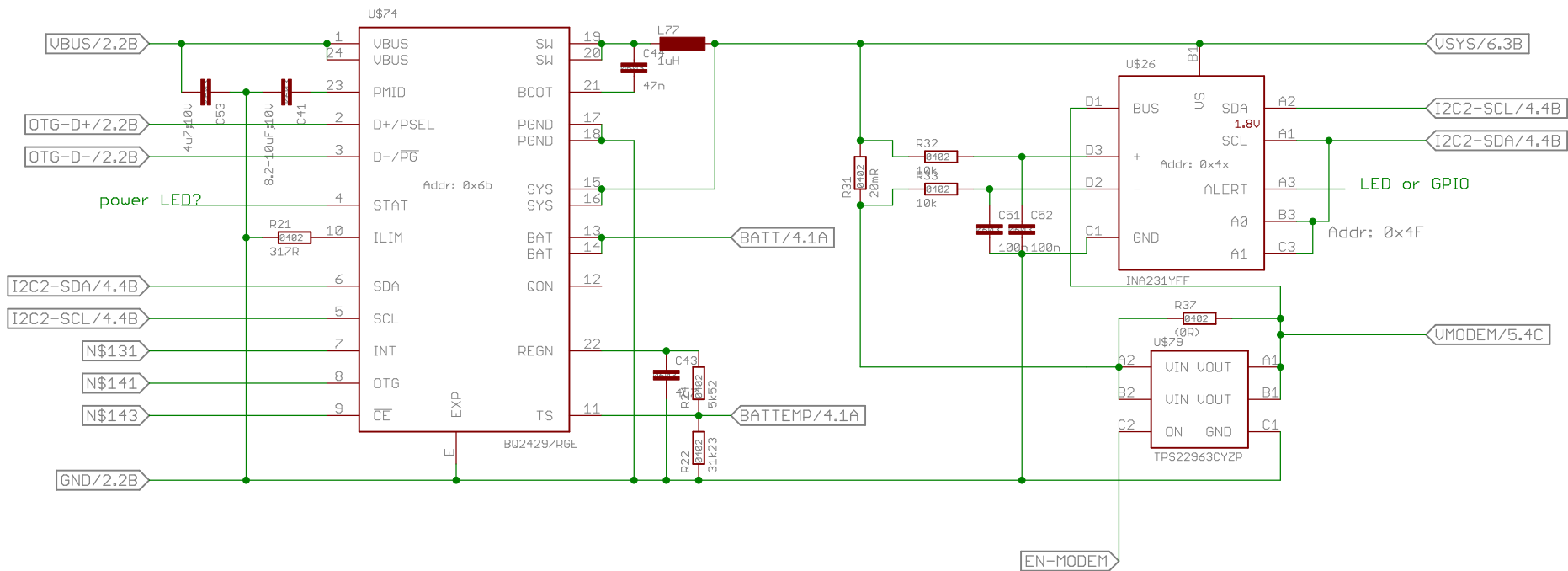
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Document Number:

REV:

Date: 17.05.14 19:17

Sheet: 2/14



Charger/OTG/Power

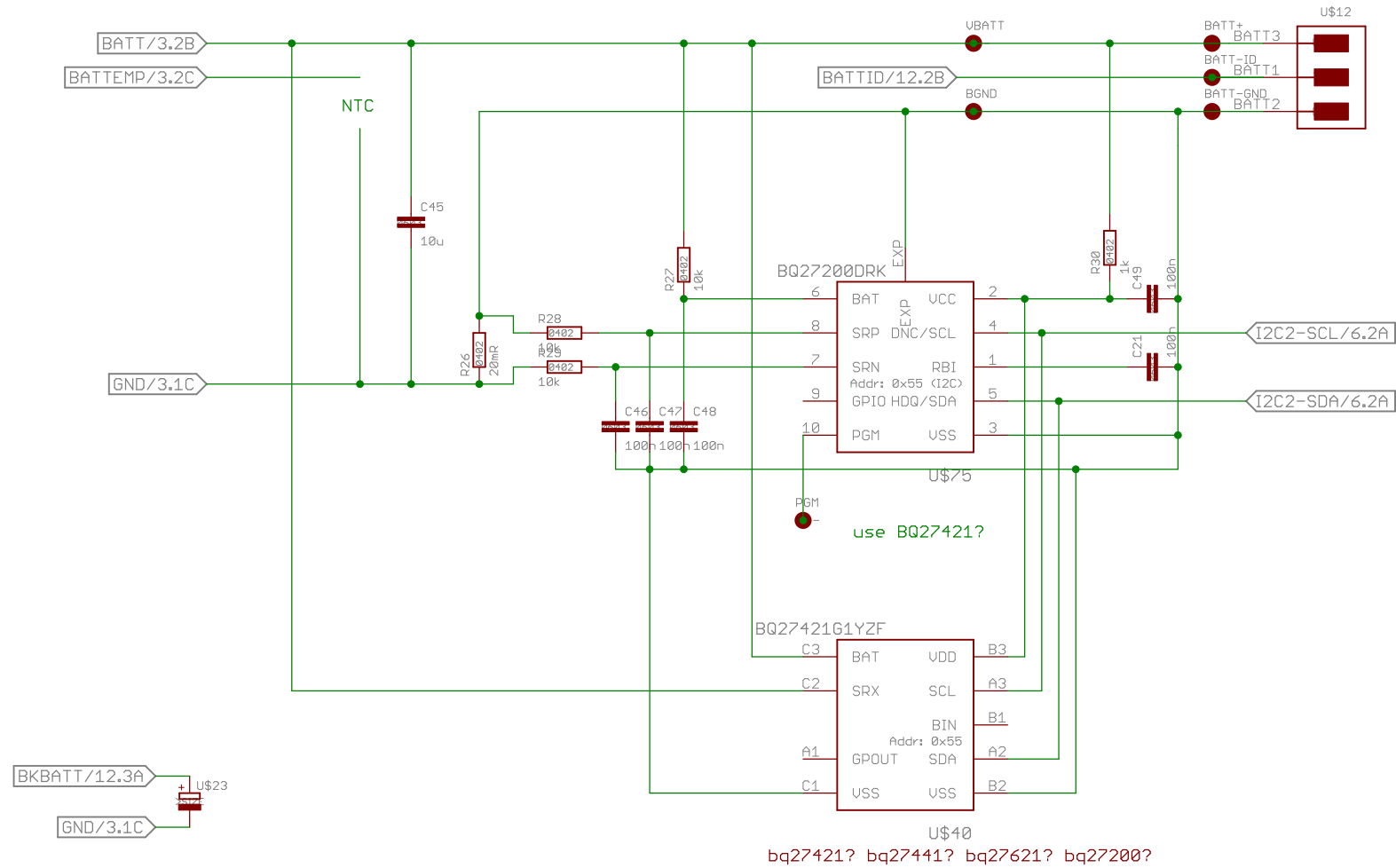
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REU:

Date: 17.05.14 19:17

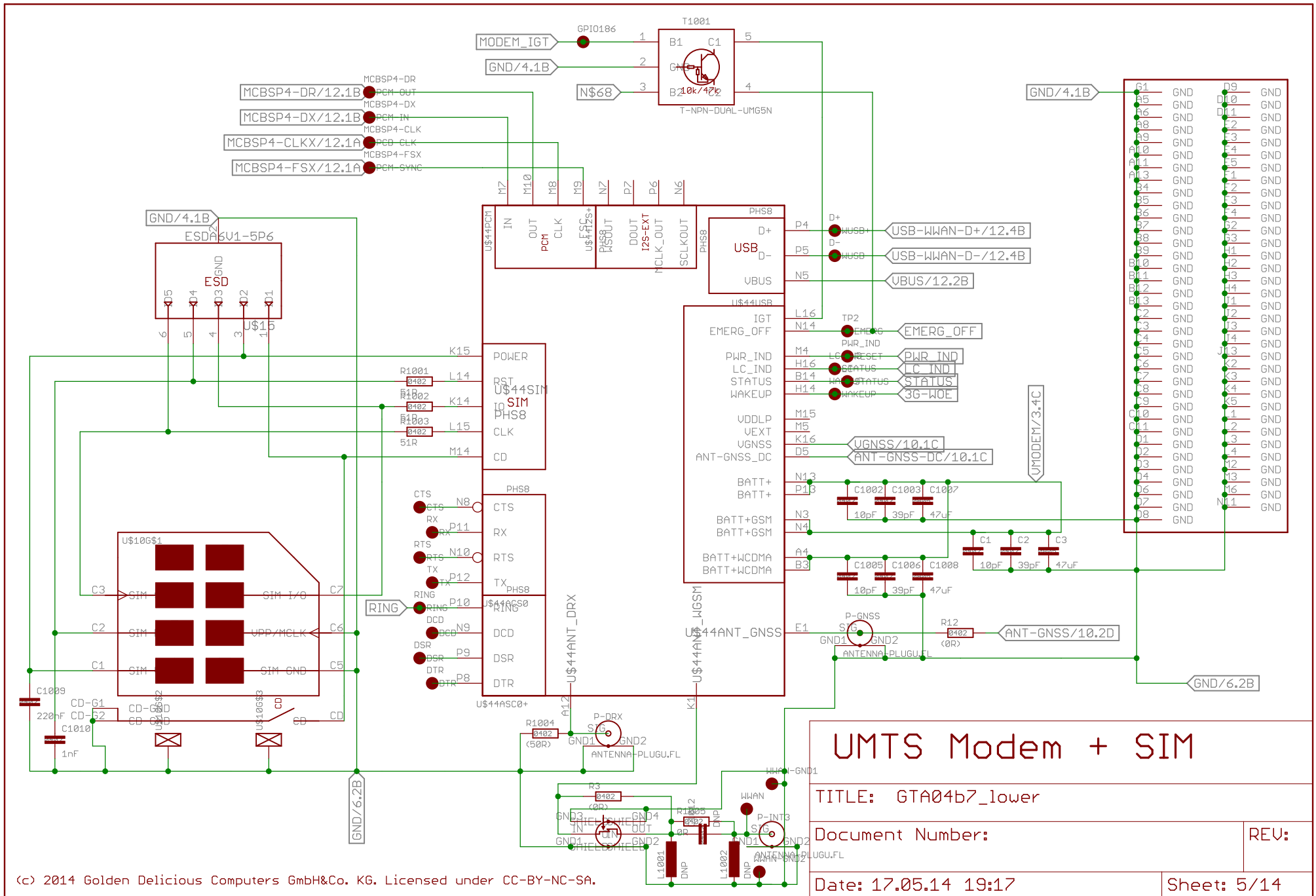
Sheet: 3/14



use BQ27421?

U\$40
 bq27421? bq27441? bq27621? bq27200?

<h1>Fuel Gauge</h1>	
TITLE: GTA04b7_lower	
Document Number:	REV:
Date: 17.05.14 19:17	Sheet: 4/14



UMTS Modem + SIM

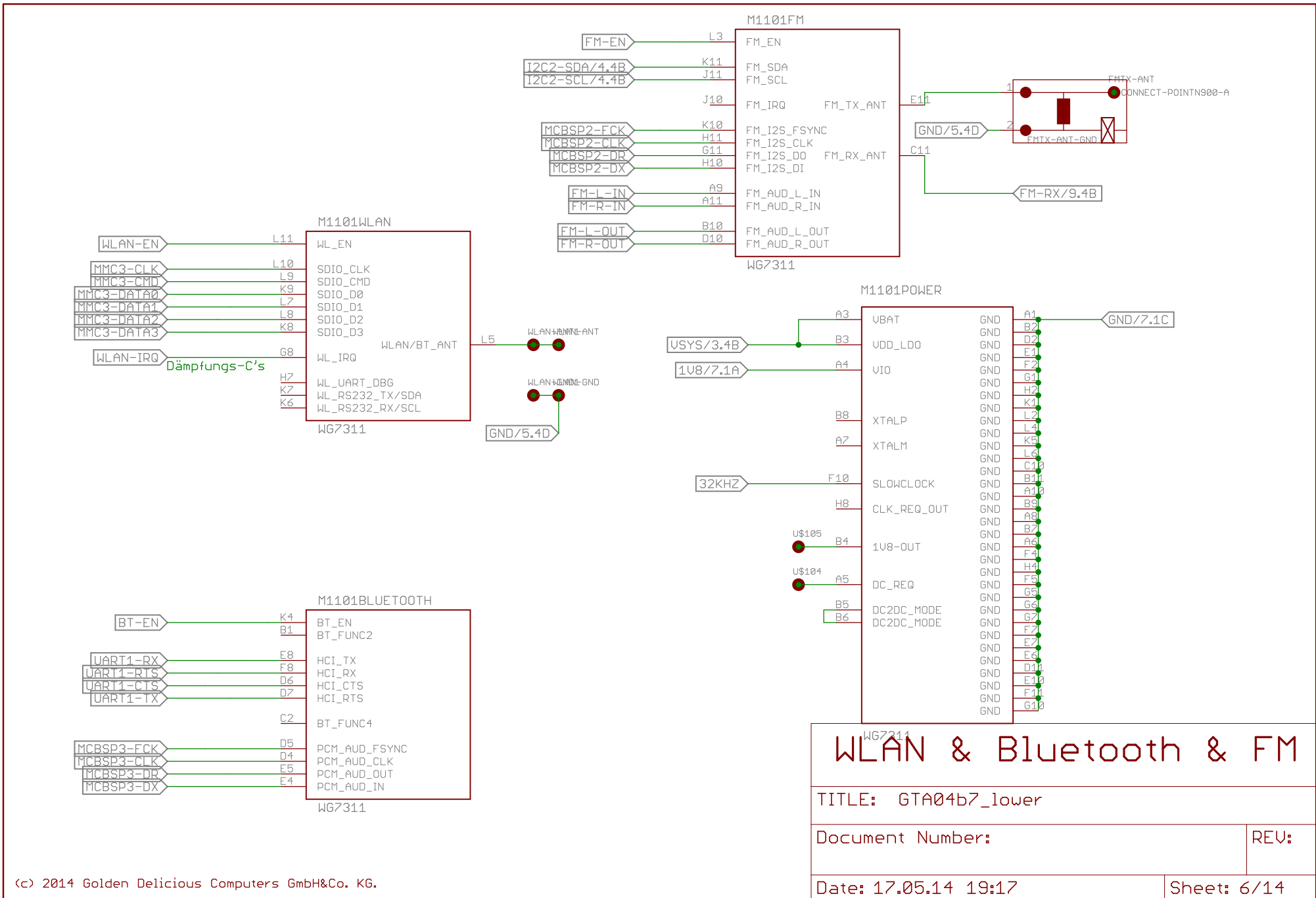
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Date: 17.05.14 19:17

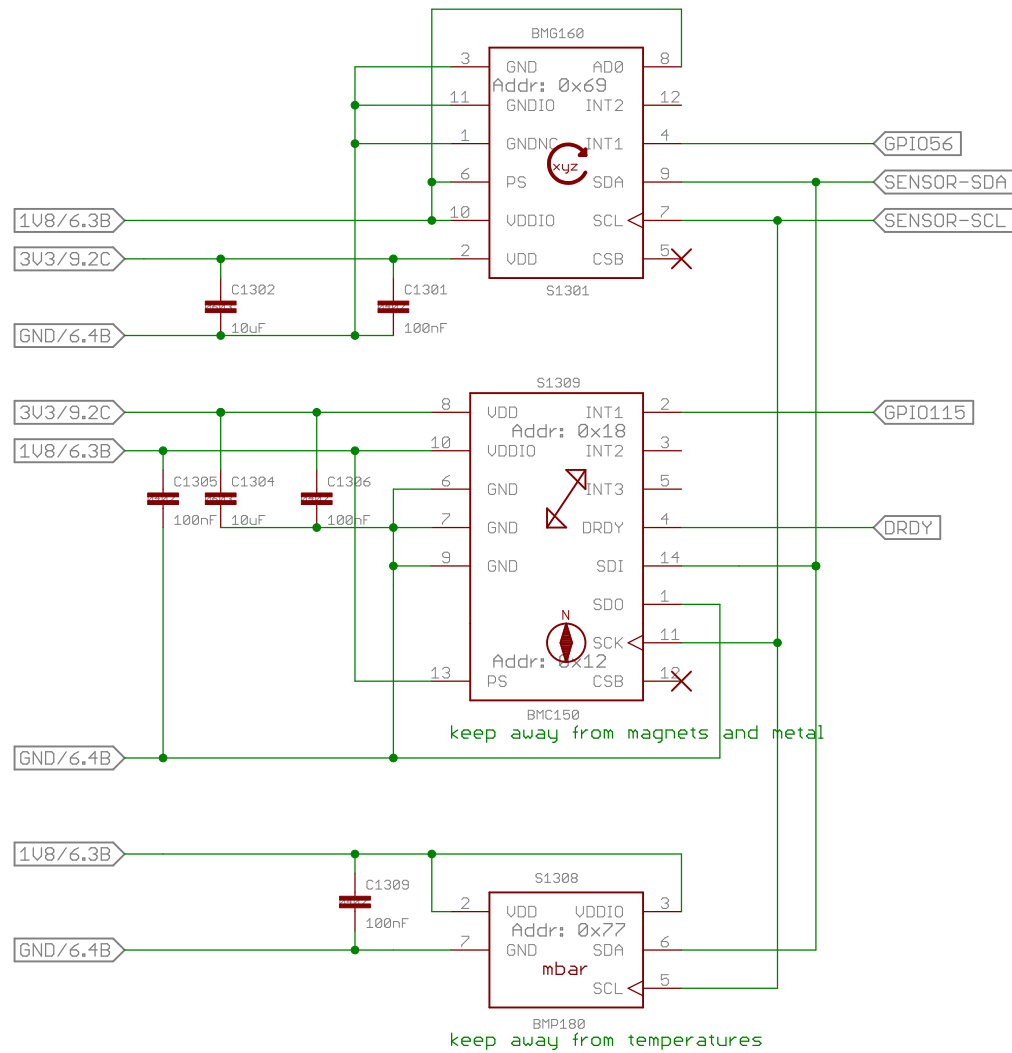
Sheet: 5/14

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WLAN & Bluetooth & FM	
TITLE: GTA04b7_lower	
Document Number:	REV:
Date: 17.05.14 19:17	Sheet: 6/14

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Sensors

TITLE: GTA04b7_lower

Document Number:

REV:

Date: 17.05.14 19:17

Sheet: 7/14

TLV320AIC34

problem: this is a 0.5mm BGA making lower board expensive!
problem: analog mic is on upper board!
alternative: place on upper board

Audio Codec

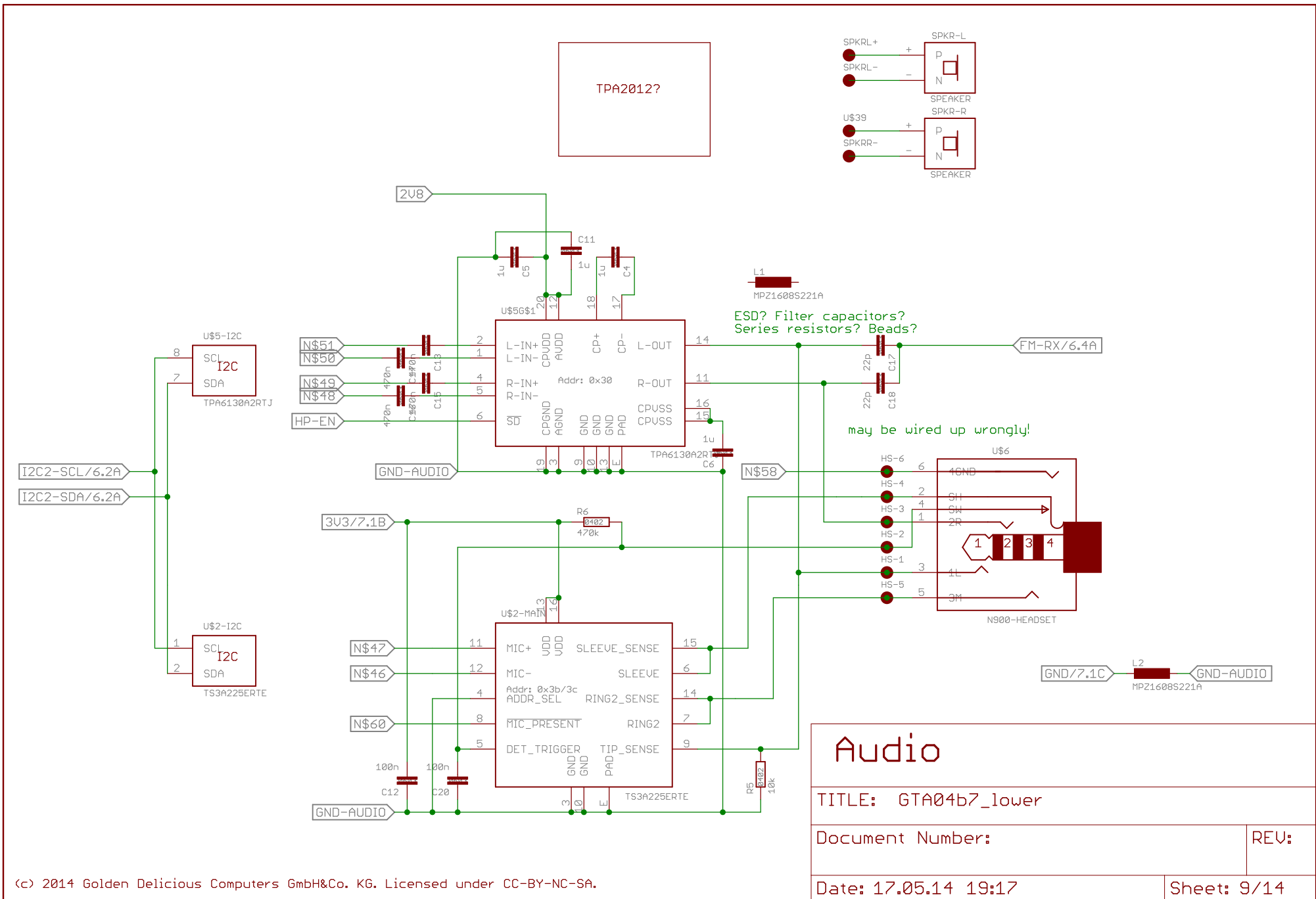
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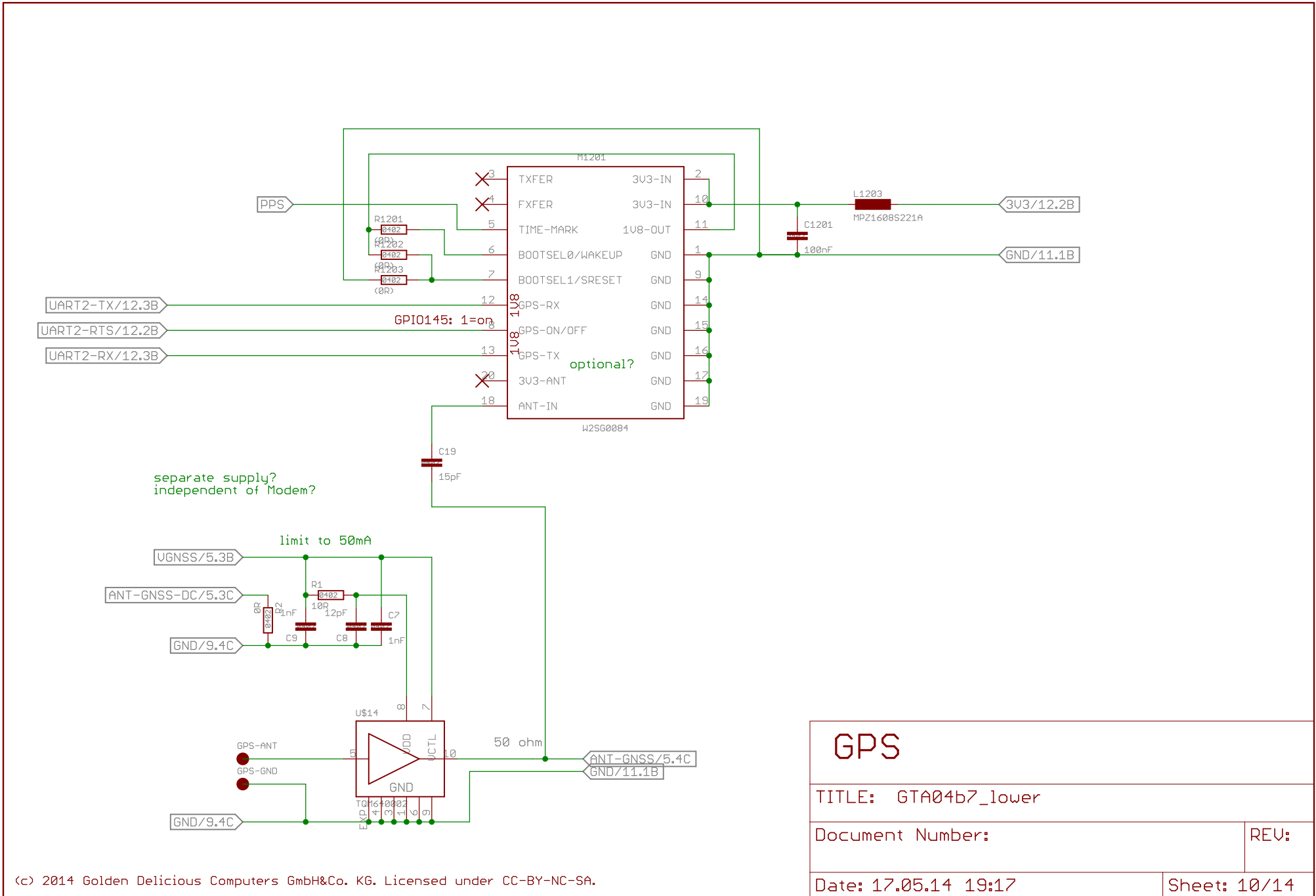
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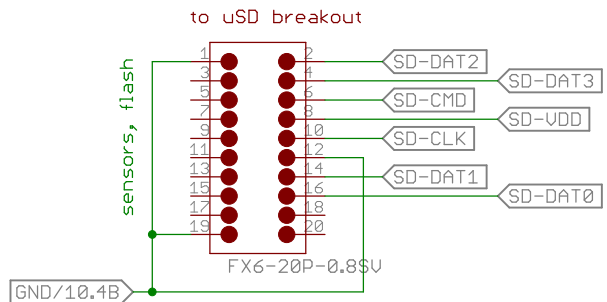
REV:

Date: 17.05.14 19:17

Sheet: 8/14

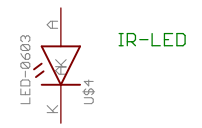




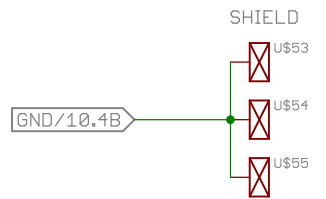
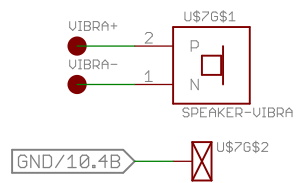


through B2B to upper board

or use SMD socket on upper board (reduces # of wires!)

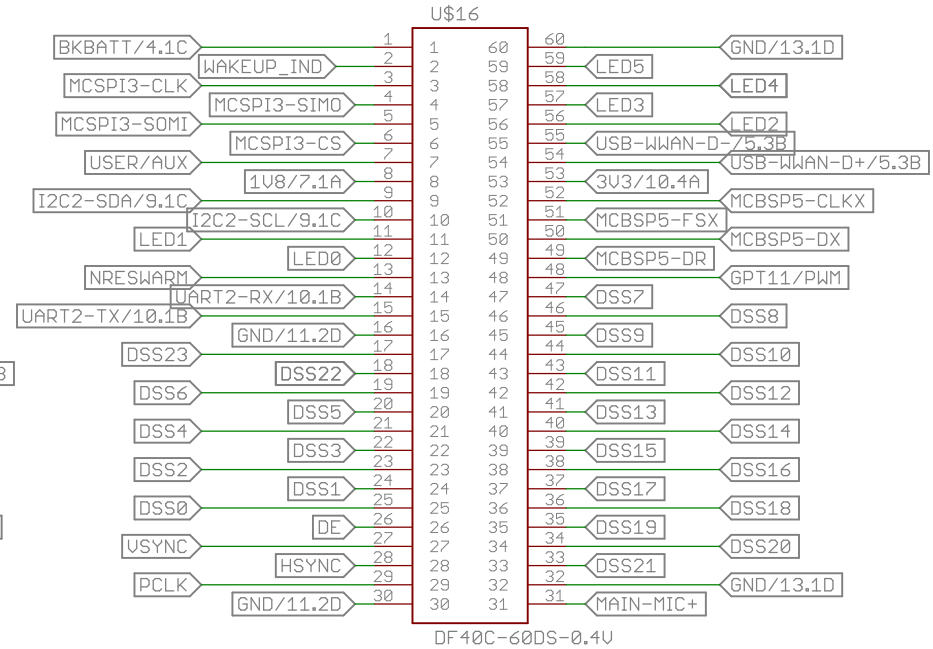
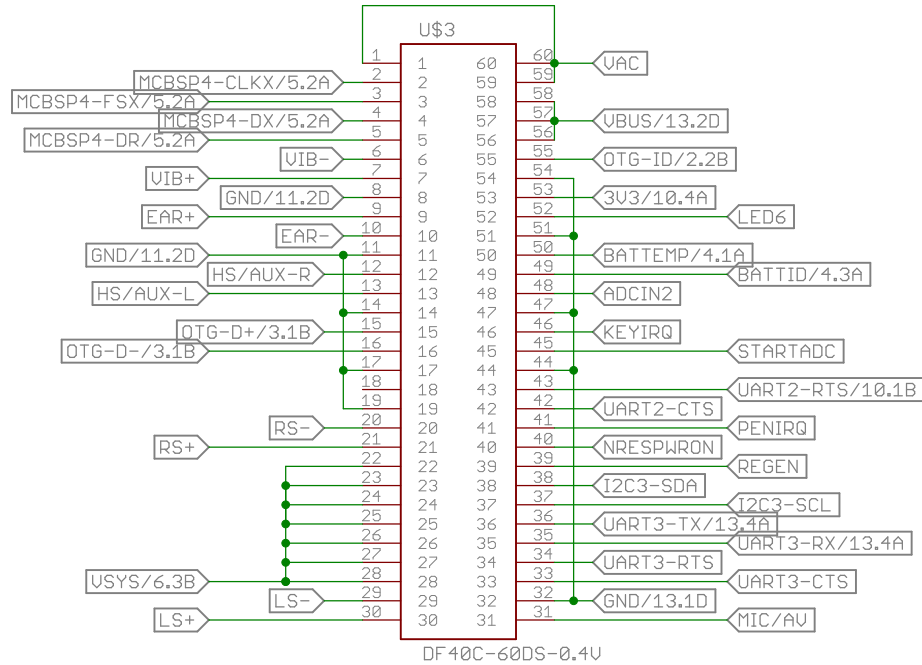


microphone on bottom side?



<h1>Misc</h1>	
TITLE: GTA04b7_lower	
Document Number:	REV:
Date: 17.05.14 19:17	Sheet: 11/14

pin assignment tbd. (draft copied from GTA04Custom)



B2B Connection

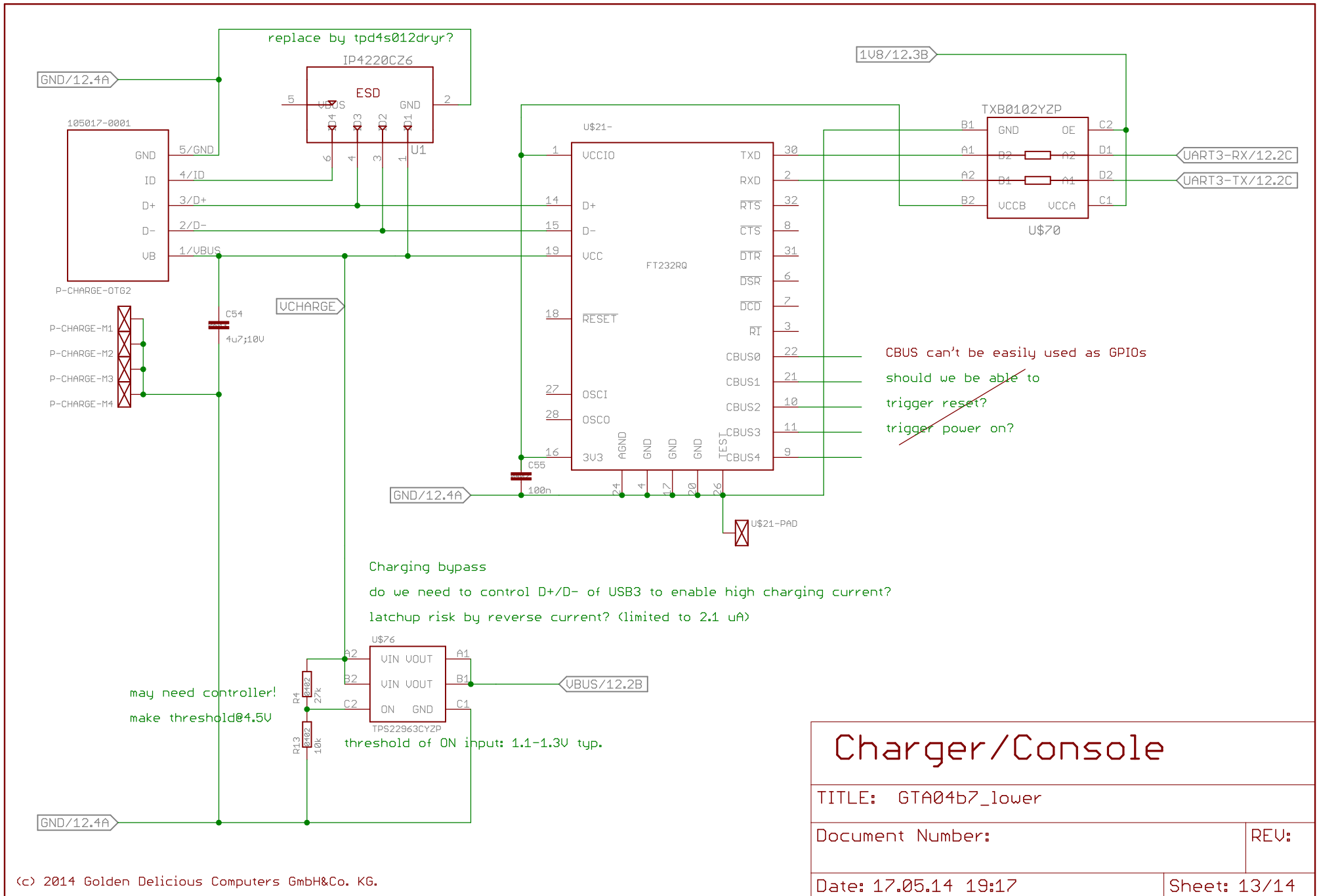
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Document Number:

REU:

Date: 17.05.14 19:17

Sheet: 12/14



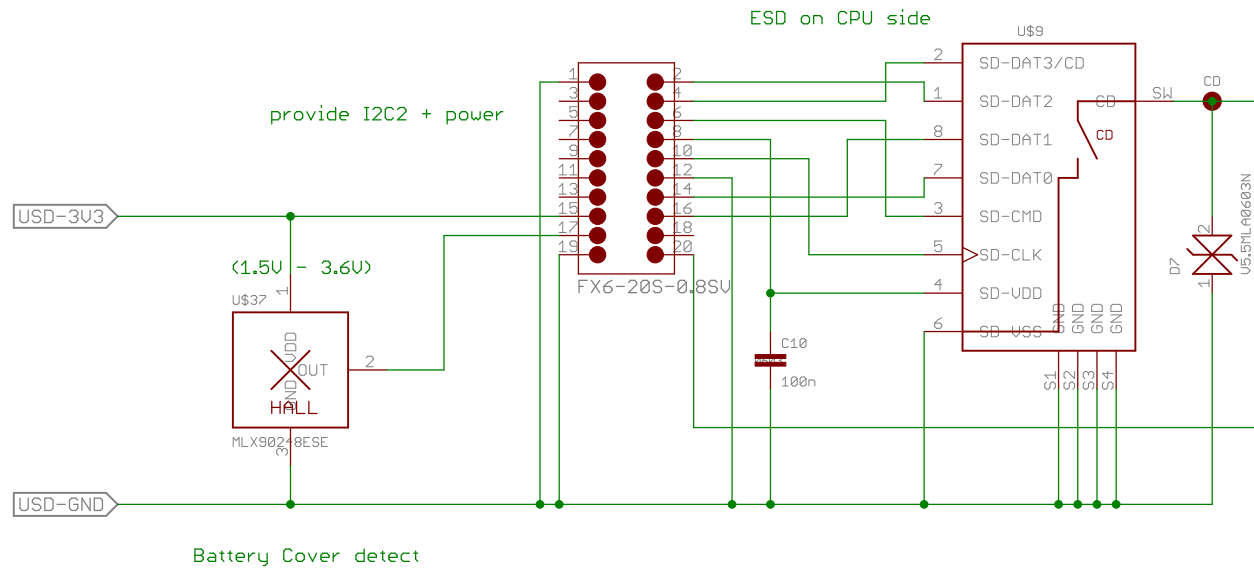
<h1>Charger/Console</h1>	
TITLE: GTA04b7_lower	
Document Number:	REV:
Date: 17.05.14 19:17	Sheet: 13/14

UCNL3020???

main camera cover proxi sensor

flash LED driver ADP1653 (expensive!)

Flash LED: 2xCLN6A-MKW-CJ0K0233



uSD Breakout Board

TITLE: GTA04b7_lower

Document Number:

REV:

Date: 17.05.14 19:17

Sheet: 14/14