

- 1 Top sheet
- 2 Power management and battery charger circuit
- 3 Display interface
- 4 Audio interface
- 5 A7 radio module (GSM/GPRS/GPS)
- 6 WiFi / Bluetooth
- 7 Buttons & LEDs
- 8 CPU
- 9 SD-Card
- 10 IMU

STM32 Version  
Retro fitting board for Nokia 3210 mobile phone  
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Sheet: /  
File: 3210retro.sch

**Title: Nokia 3210 Retrofit**  
Size: A3 Date: 2017-09-07 Rev: 3  
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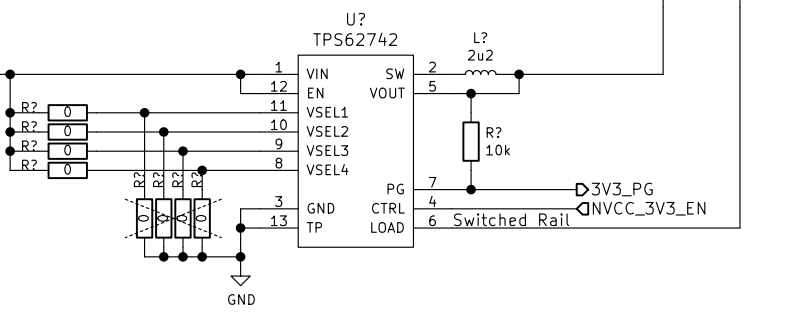
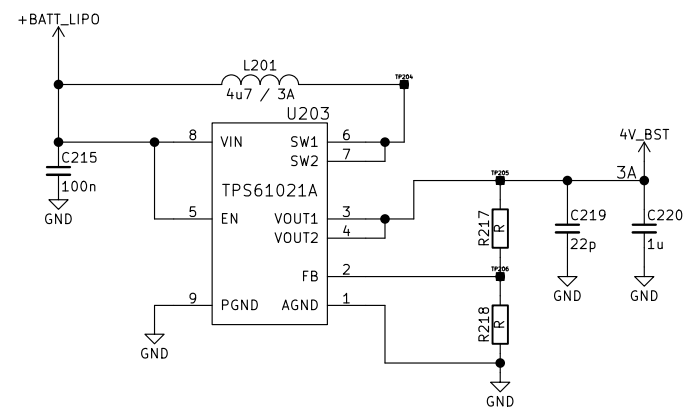
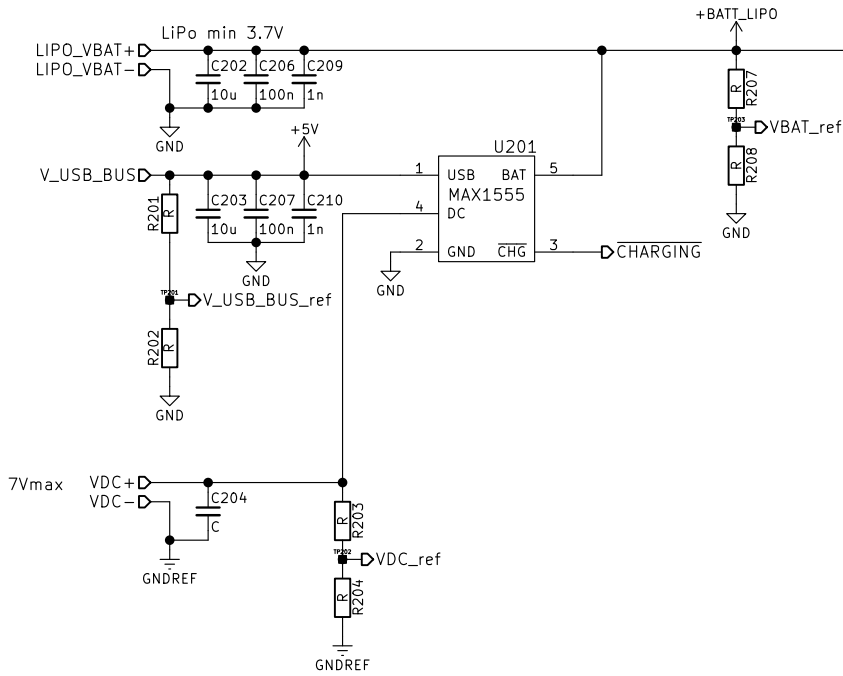


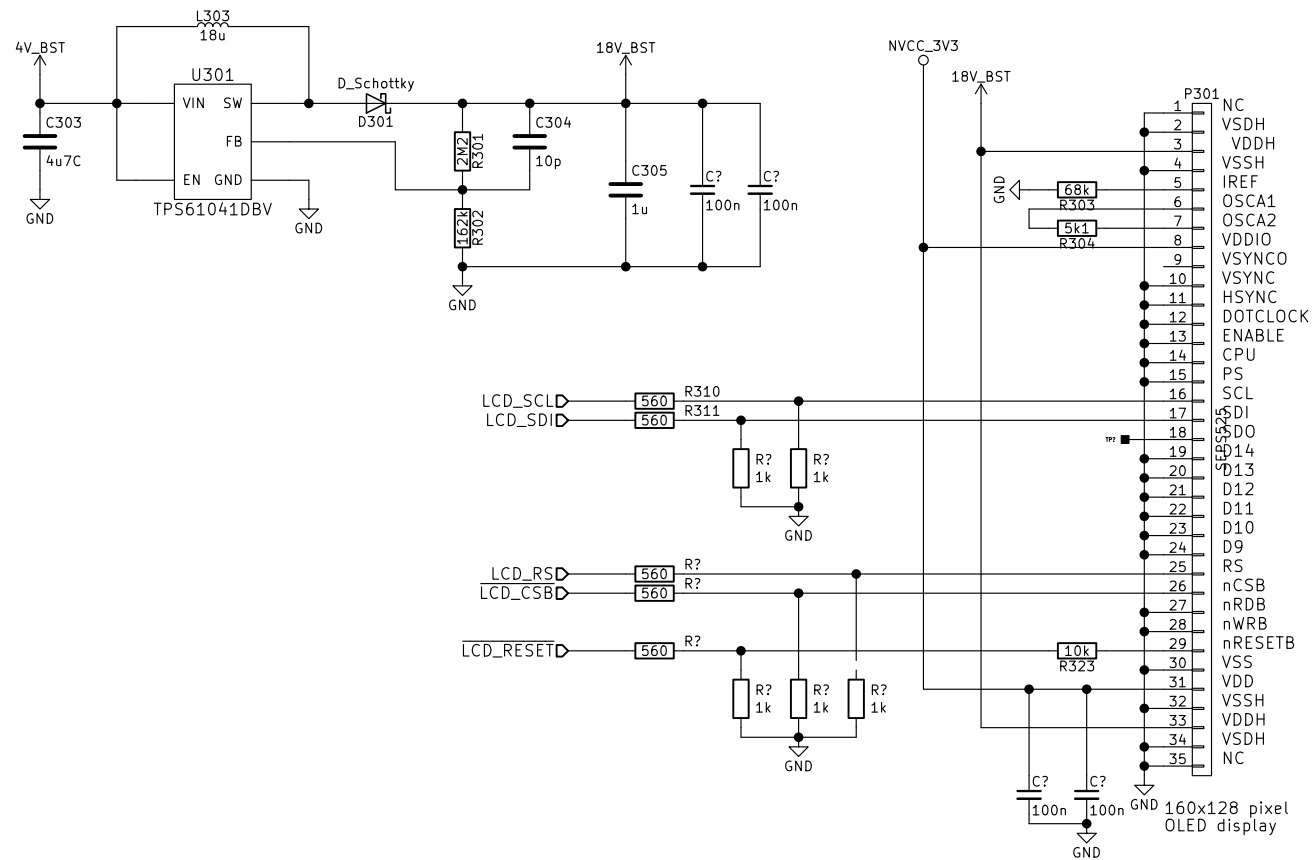
Table 1. Output Voltage Setting

Device	VOUT	VSEL 4	VSEL 3	VSEL 2	VSEL 1
TPS62740 / 42	1.8	0	0	0	0
	1.9	0	0	0	1
	2.0	0	0	1	0
	2.1	0	0	1	1
	2.2	0	1	0	0
	2.3	0	1	0	1
	2.4	0	1	1	0
	2.5	0	1	1	1
	2.6	1	0	0	0
	2.7	1	0	0	1
	2.8	1	0	1	0
	2.9	1	0	1	1
	3.0	1	1	0	0
	3.1	1	1	0	1
	3.2	1	1	1	0
	3.3	1	1	1	1

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 Sheet: /Power and Battery/  
 File: POWER.sch

**Title: Nokia 3210 Retrofit**

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### Display

	min	sel	max
VDDIO	1.6V	1.8V	3.3V
VDDH	8.0V	15.0V	18.0V
VDD	1.6V	1.8V	3.3V
Isink			120mA

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Sheet: /Display/  
File: DISPLAY.sch

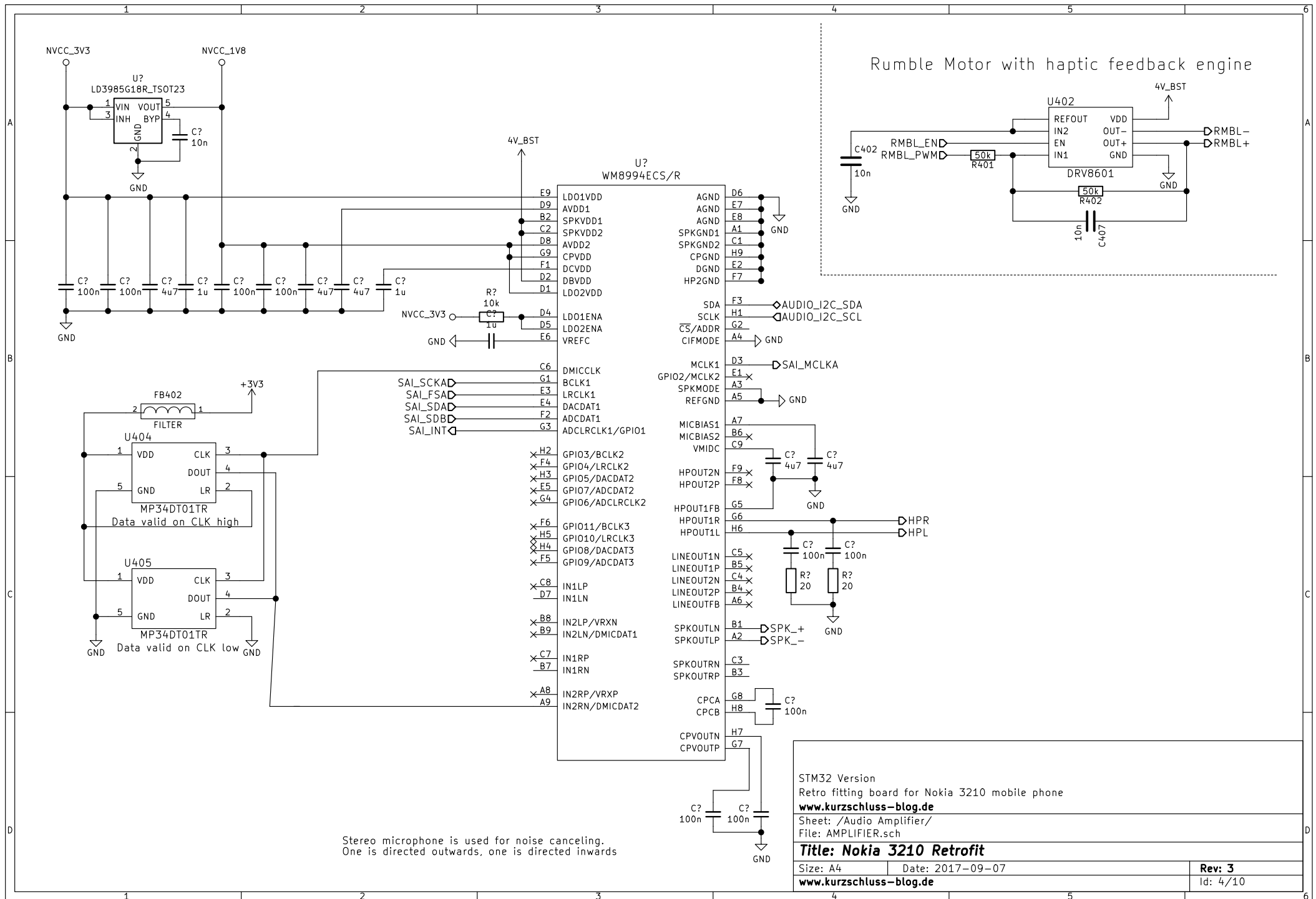
**Title: Nokia 3210 Retrofit**

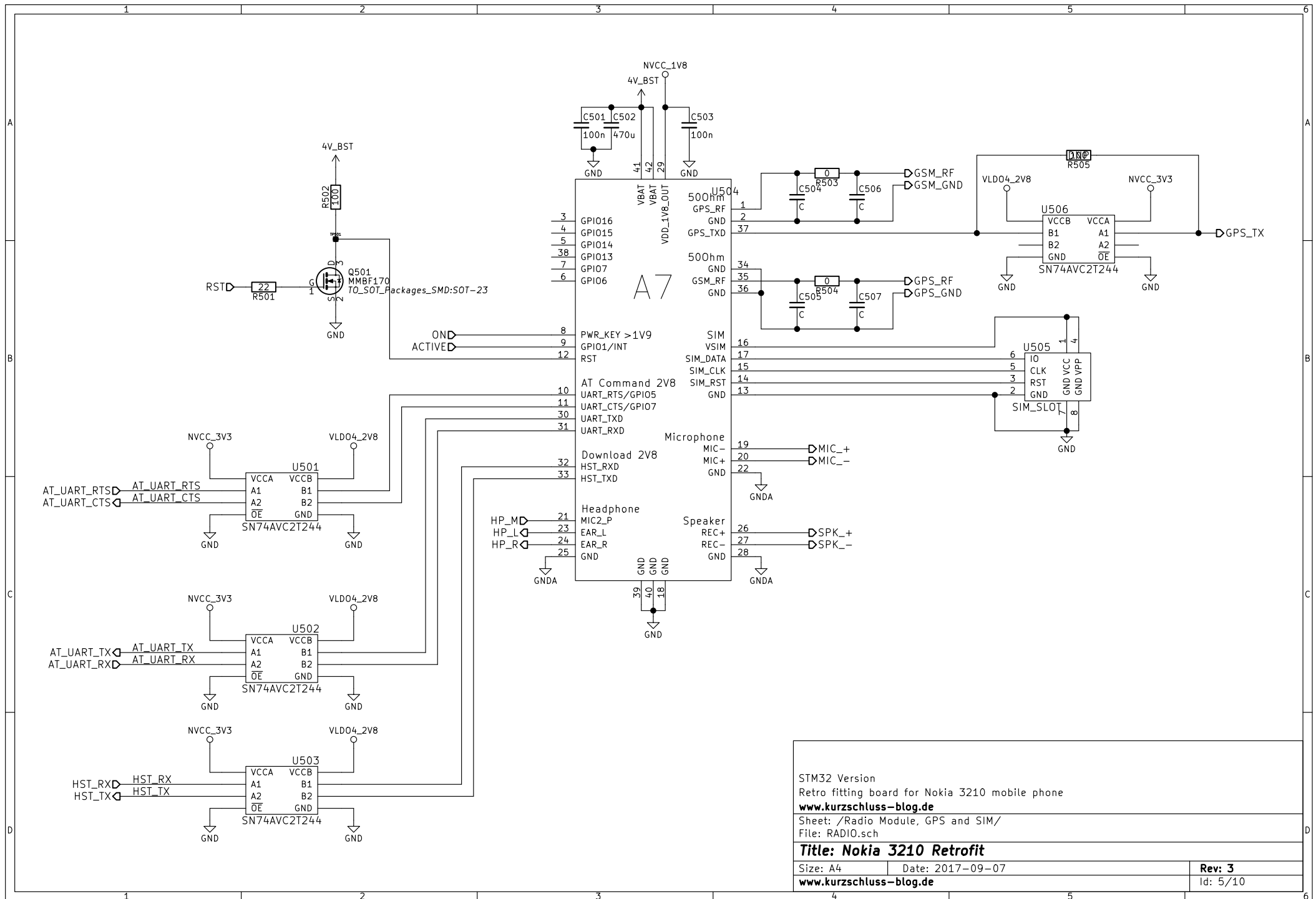
Size: A4 Date: 2017-09-07

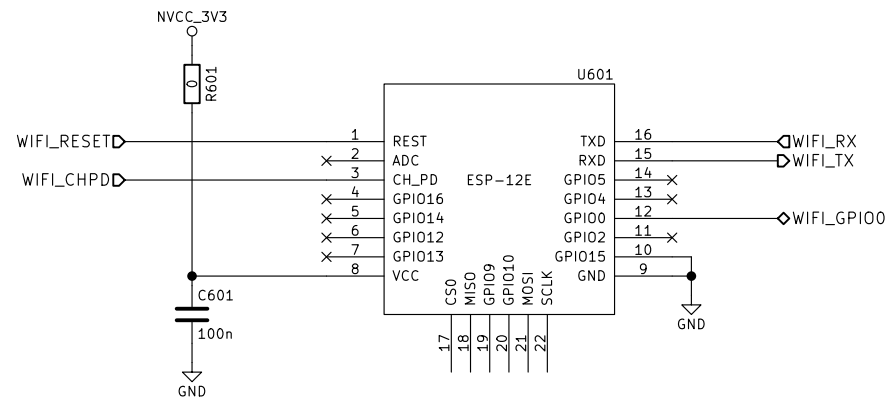
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Sheet: /WiFi/  
File: WiFi.sch

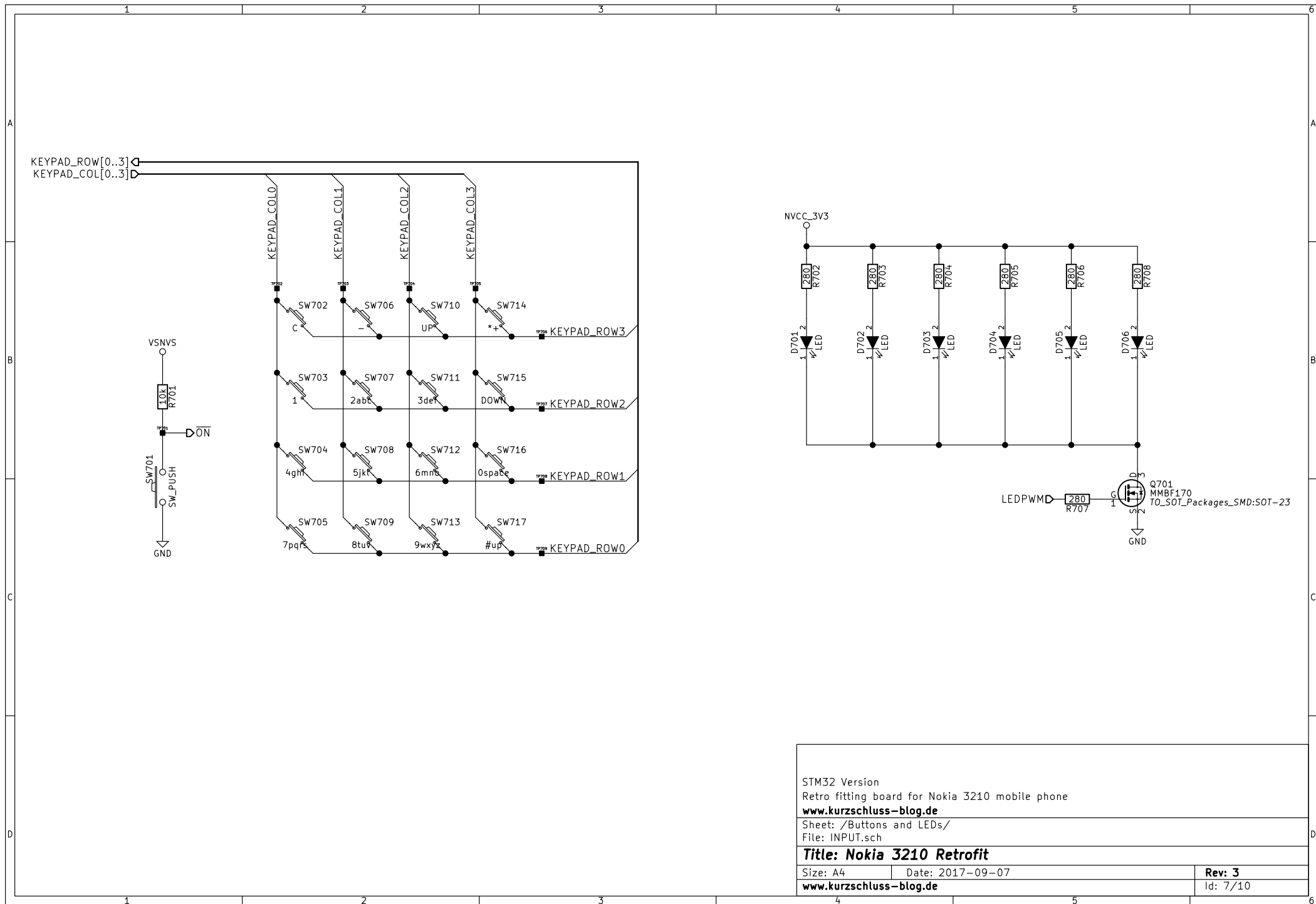
**Title: Nokia 3210 Retrofit**

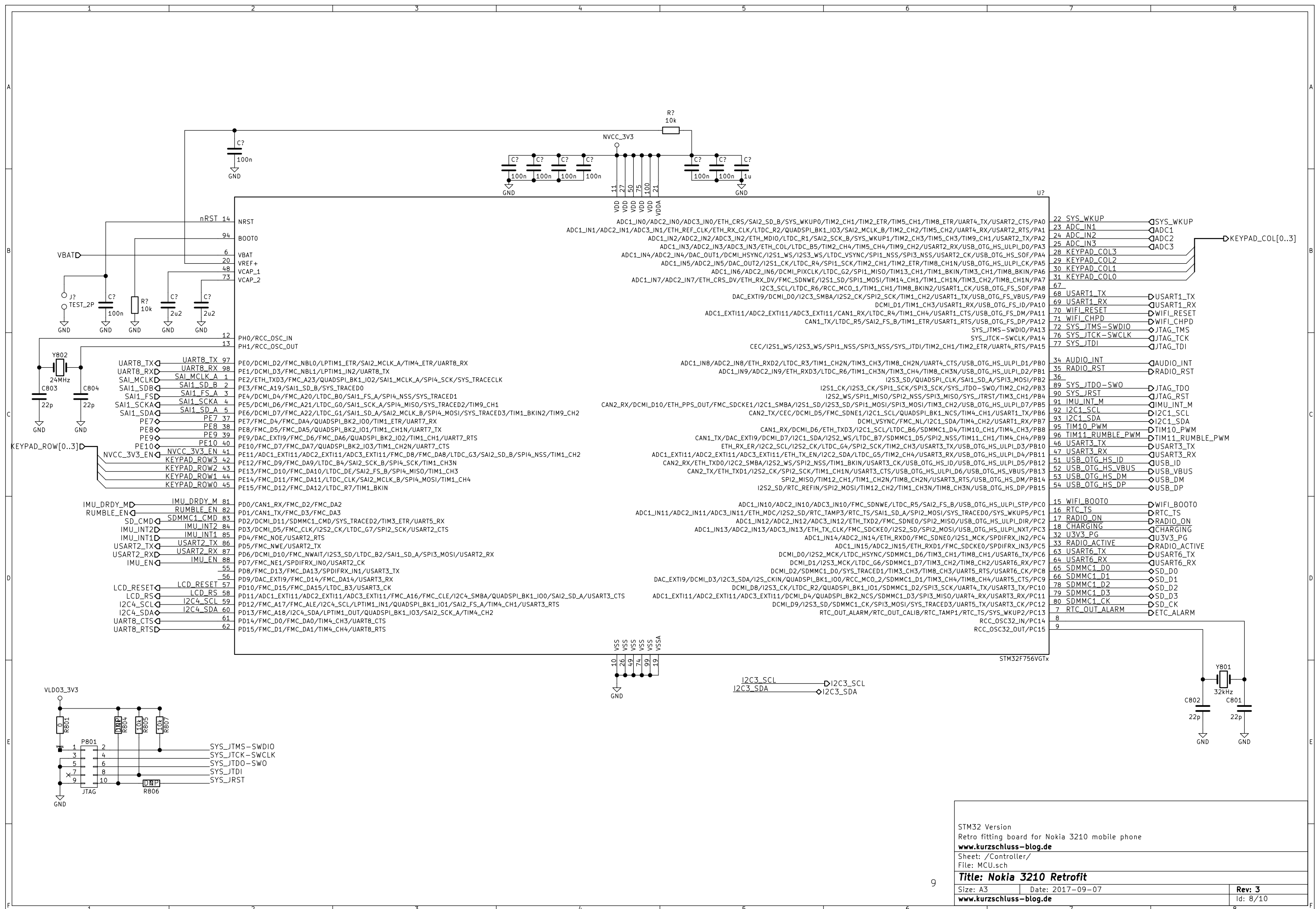
Size: A4 Date: 2017-09-07

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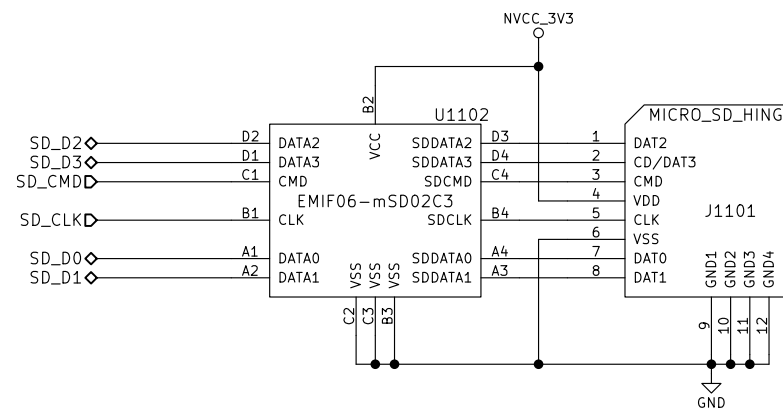
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Sheet: /SD-Card/  
File: STORAGE.sch

**Title: Nokia 3210 Retrofit**

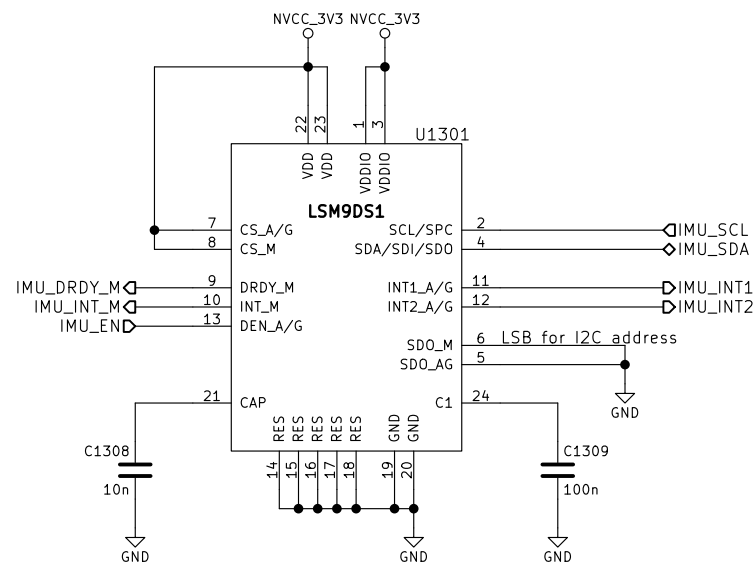
Size: A4

Date: 2017-09-07

Rev: 3

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Sheet: /IMU/  
File: USB\_IMU.sch

**Title: Nokia 3210 Retrofit**

Size: A4

Date: 2017-09-07

Rev: 3

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