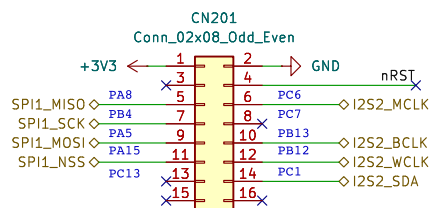


Orange Marked = Arduino UNO Standard Pinout  
 Yellow Marked = Nucleo144 Expansion to Arduino Standard

Expansion Connector of:  
 STM32F469I-DISCO



Arduino Standard Connector sadly doesn't offer enough pins  
 with advanced features such as:  
 I2S, microSD, more SPI and so on...

So less standard pinouts have to be used.  
 -> lots of jumpers to make it configurable.

Sheet: /Pinout CPU/  
 File: pinout.kicad\_sch

**Title:**

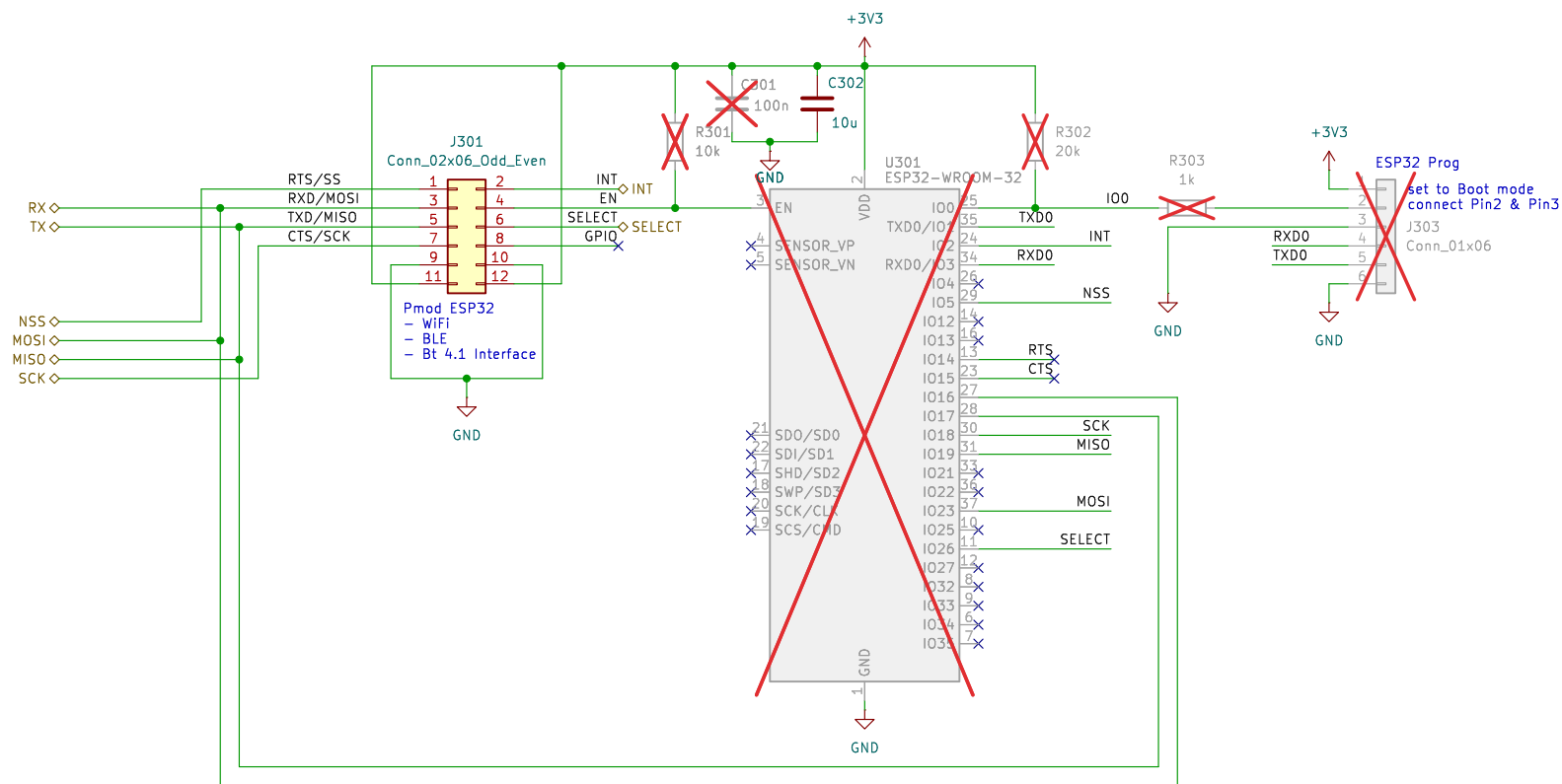
Size: A4

Date:

**Rev:**

KiCad E.D.A. 9.0.2

Id: 2/8



Sheet: /Wireless Connectivity/  
File: wireless.kicad\_sch

**Title:**

Size: A4 Date:

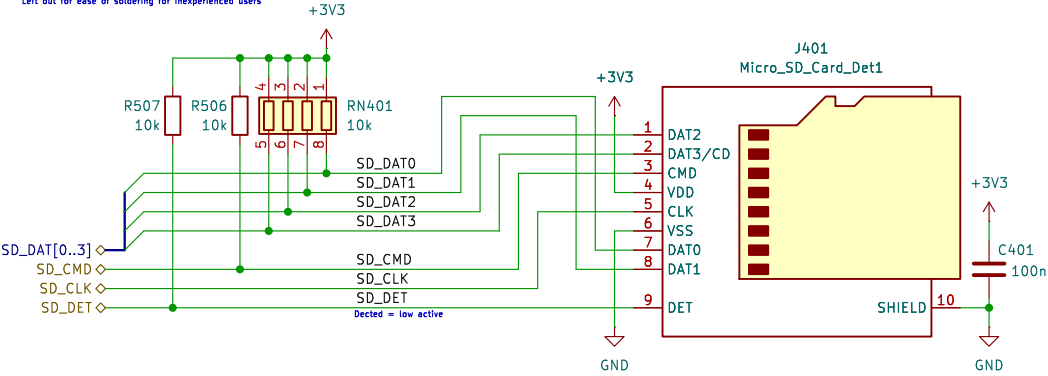
KiCad E.D.A. 9.0.2

**Rev:**

Id: 3/8

Micro SD-Card

ESD-Protection for production Version required  
Left out for ease of soldering for inexperienced users



Sheet: /nucleo144\_extensions/  
File: nucleo144\_ext.kicad\_sch

Title:

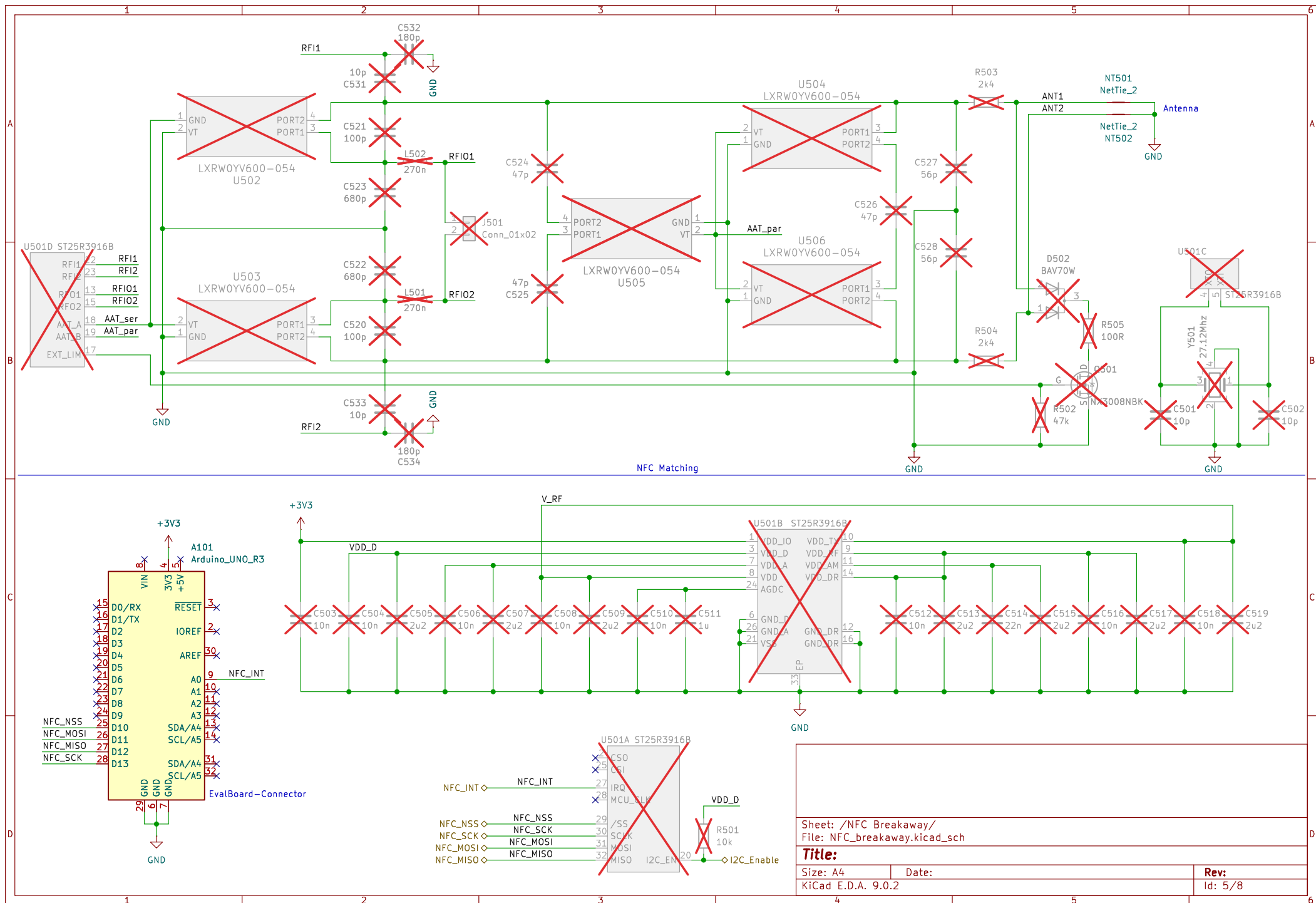
Size: A4

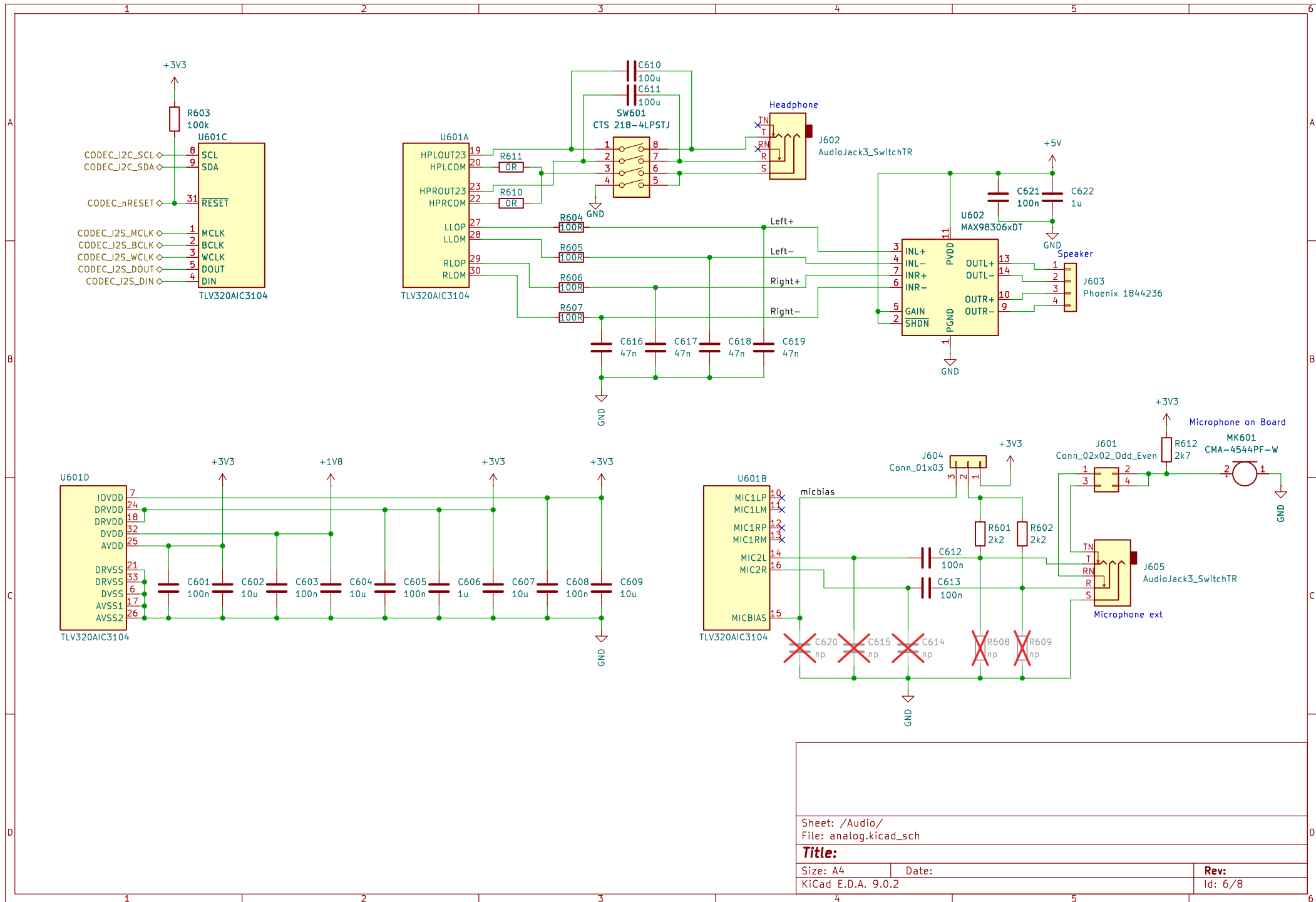
Date:

KiCad E.D.A. 9.0.2

Rev:

Id: 4/8





Sheet: /Audio/  
File: analog.kicad\_sch

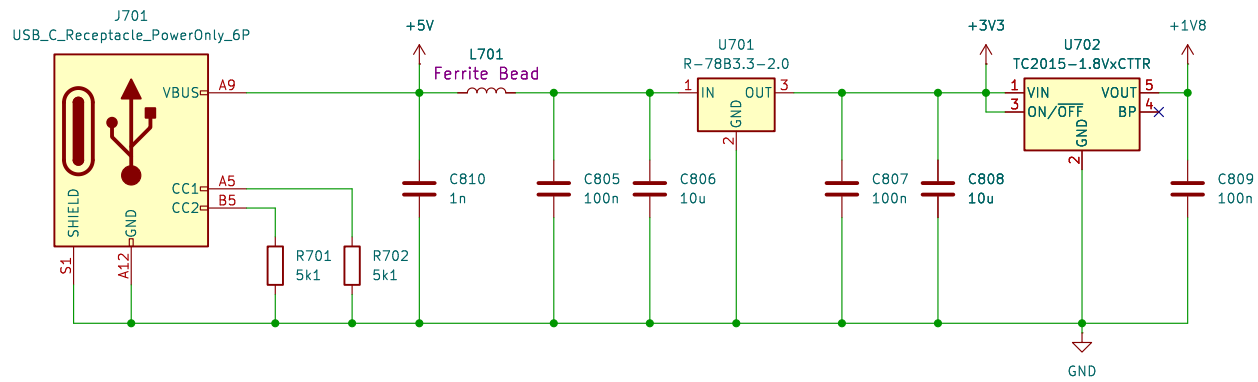
**Title:**

Size: A4  
KiCad E.D.A. 9.0.2

Date:

**Rev:**

Id: 6/8



Sheet: /Powersupply/  
File: powersupply.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. 9.0.2

**Rev:**

Id: 7/8

