

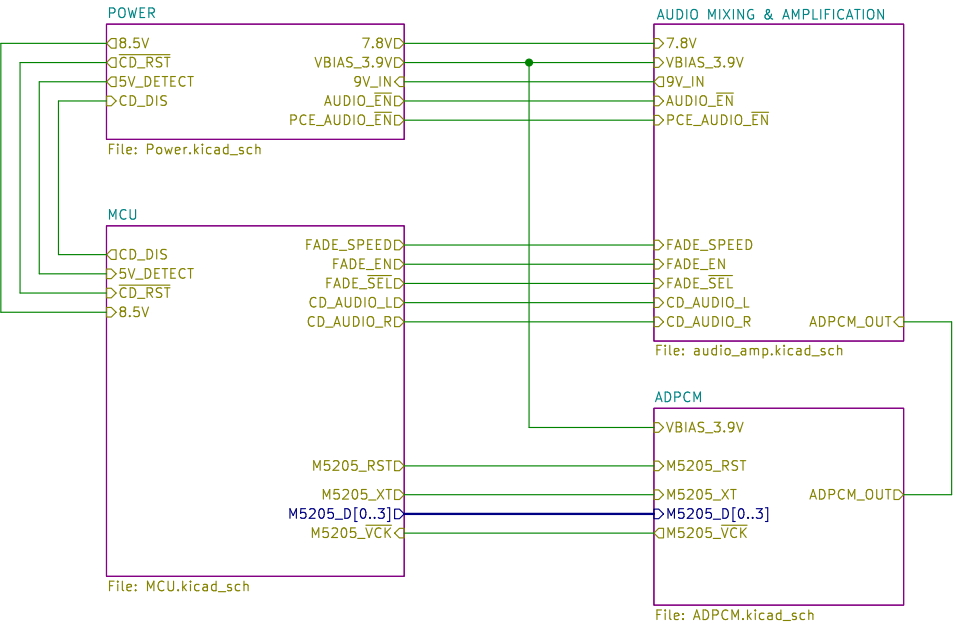
Note on transistors:  
A1175 = PNP  
A144 = PNP  
C2001 = NPN  
AIL3Z = NPN  
C2785 = NPN

External mod on PCB  
R999, 2k2

Unused Expansion Port Connections



File: Unused.kicad\_sch

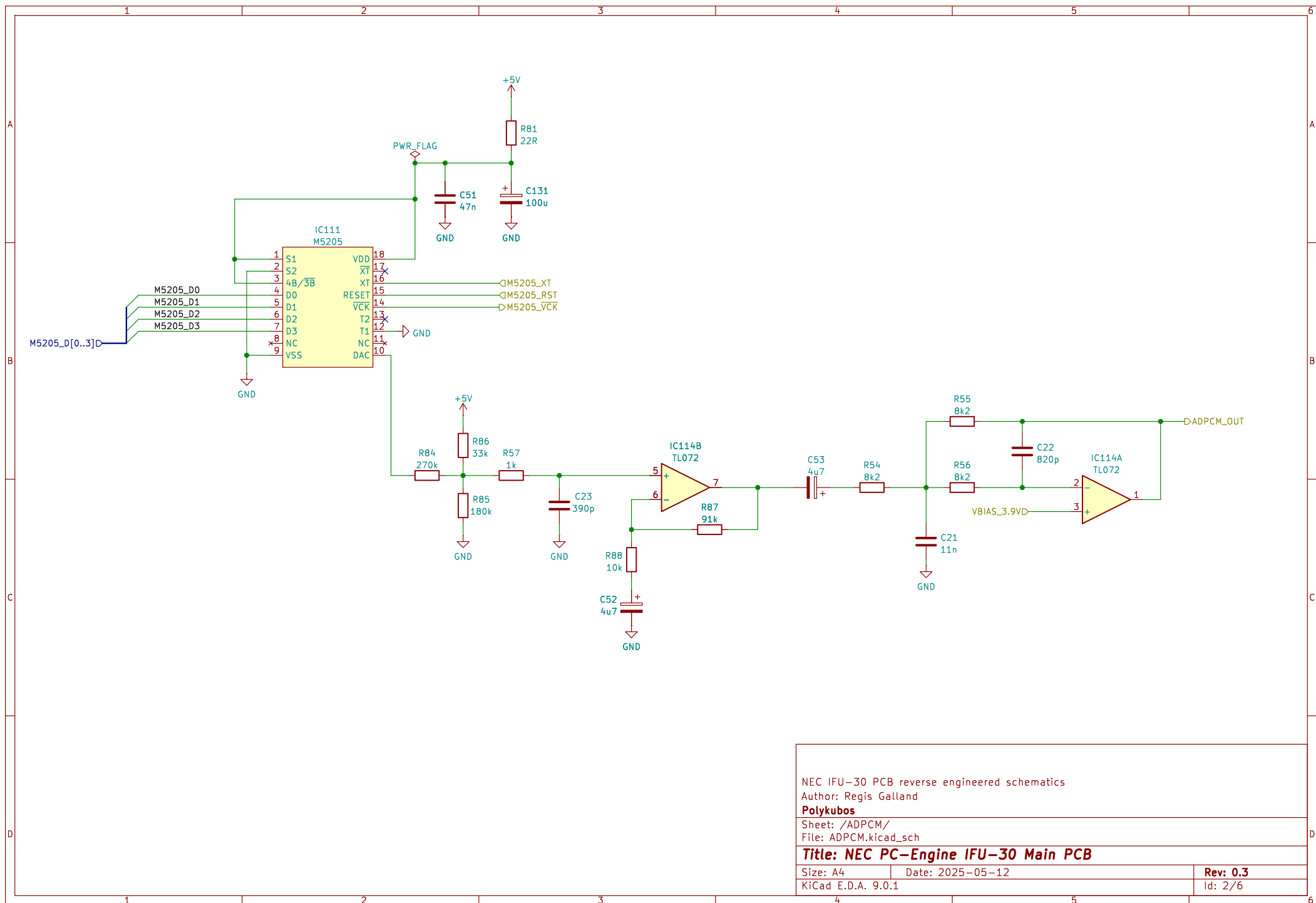


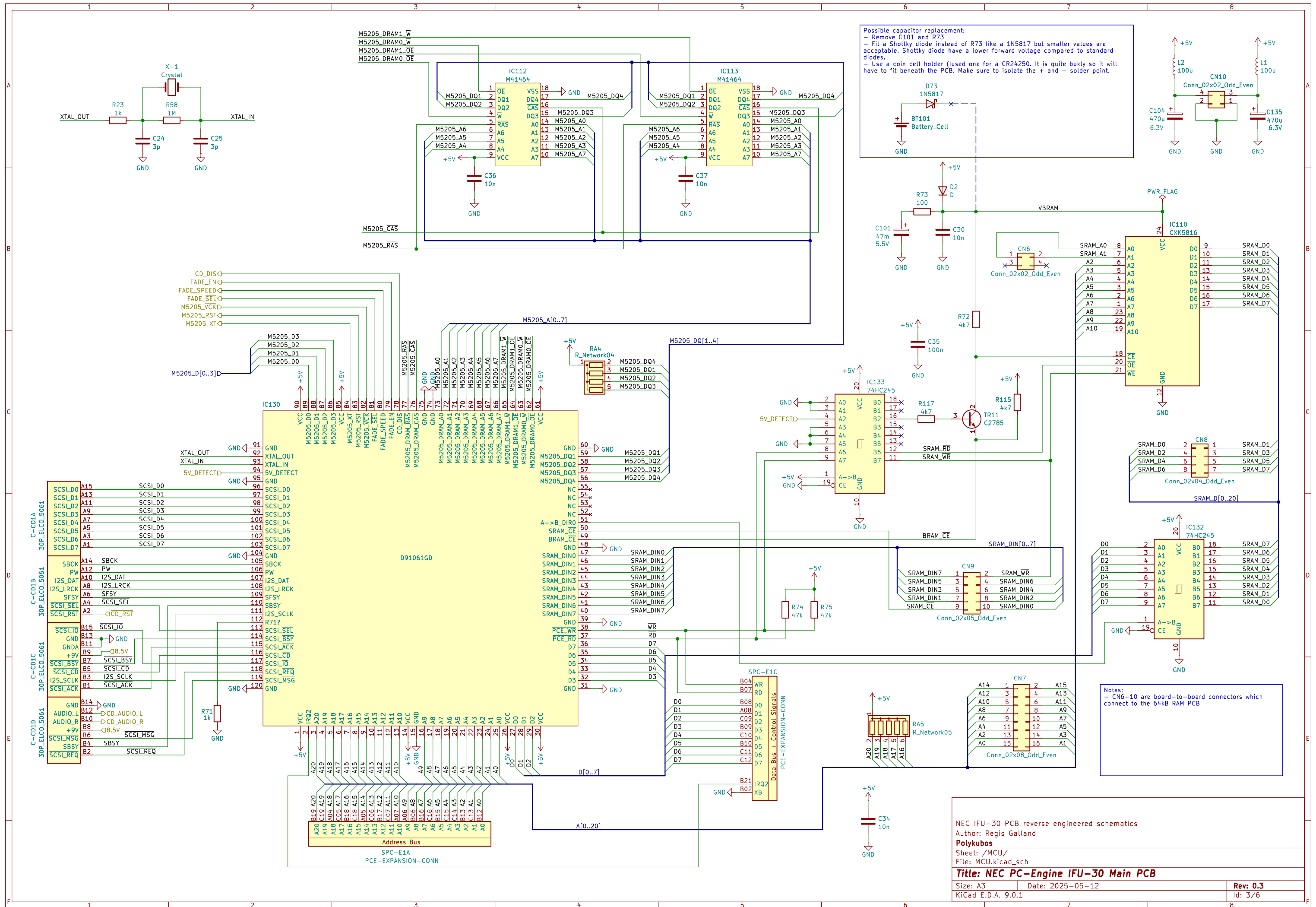
NEC IFU-30 PCB reverse engineered schematics  
Author: Regis Galland  
**Polykubos**

Sheet: /  
File: NEC-PCE-IFU-30\_MAIN\_PCB.kicad\_sch

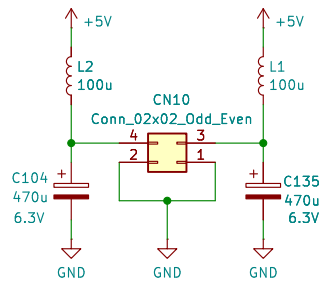
**Title: NEC PC-Engine IFU-30 Main PCB**

Size: A4	Date: 2025-05-12	Rev: 0.3
KiCad E.D.A. 9.0.1		Id: 1/6

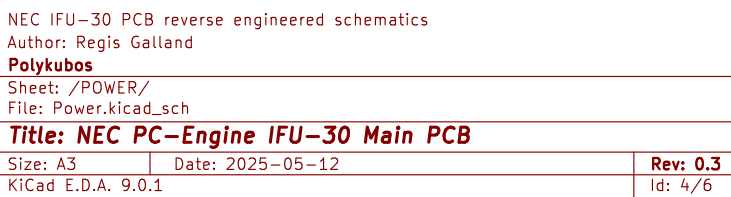


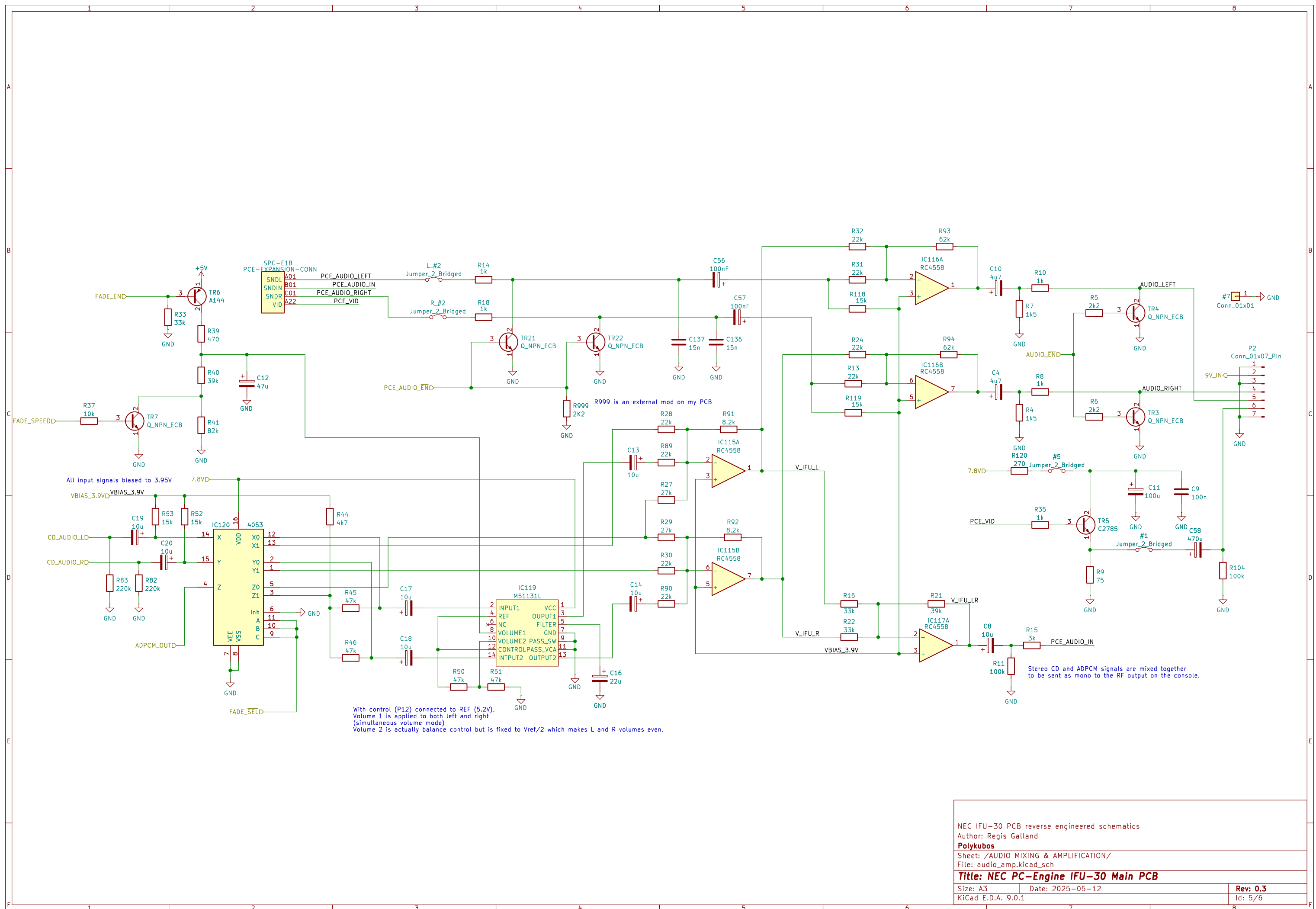


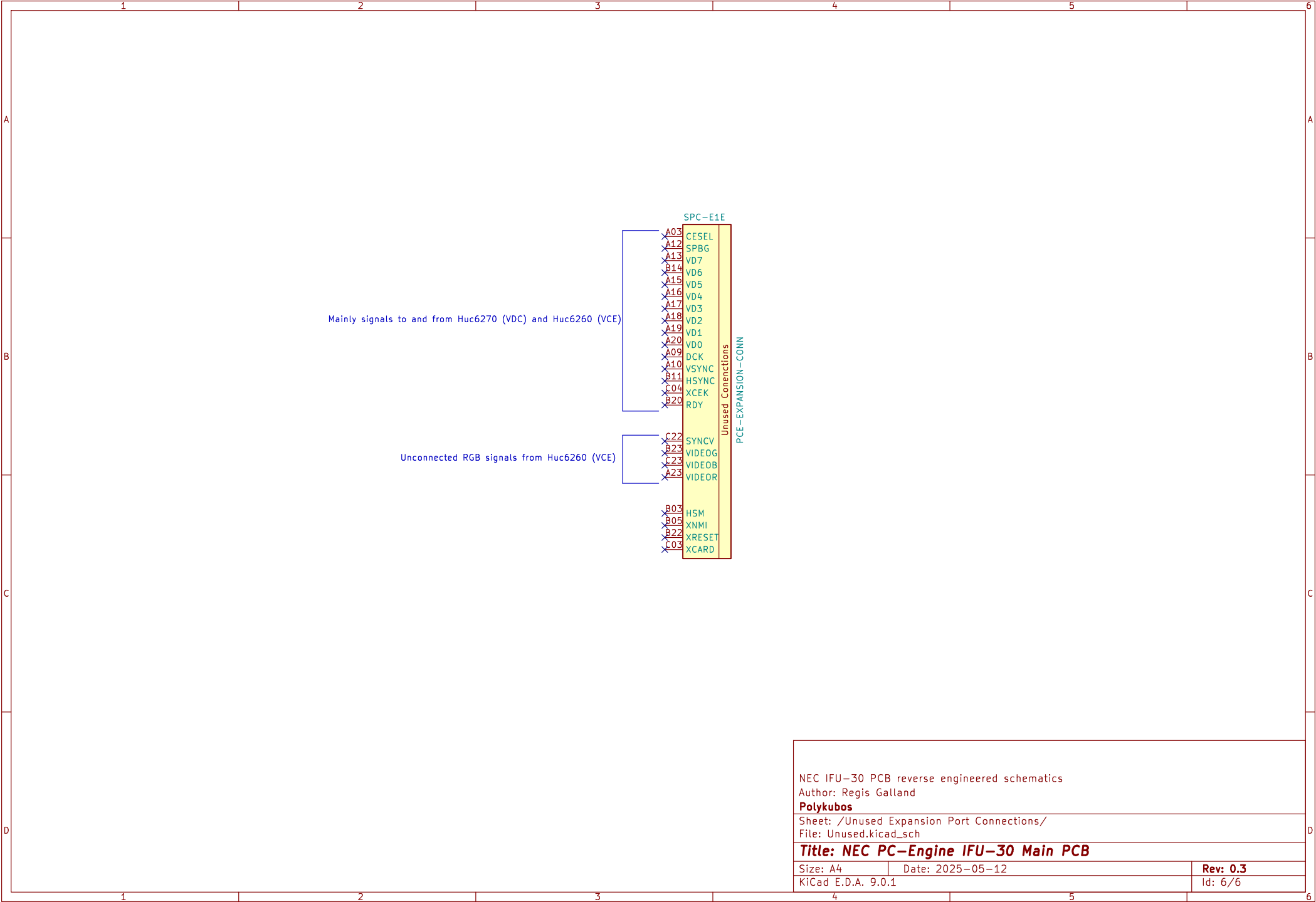
Possible capacitor replacement:  
- Remove C101 and R73  
- Fit a Schottky diode instead of R73 like a 1N5817 but smaller values are acceptable. Schottky diodes have a lower forward voltage compared to standard diodes.  
- Use a coin cell holder (used one for a CR24250. It is quite bulky so it will have to fit beneath the PCB. Make sure to isolate the + and - solder point.



Notes:  
- CN6-10 are board-to-board connectors which connect to the 64kB RAM PCB







NEC IFU-30 PCB reverse engineered schematics

Author: Regis Galland

**Polykubos**

Sheet: /Unused Expansion Port Connections/

File: Unused.kicad\_sch

**Title: NEC PC-Engine IFU-30 Main PCB**

Size: A4

Date: 2025-05-12

**Rev: 0.3**

KiCad E.D.A. 9.0.1

Id: 6/6