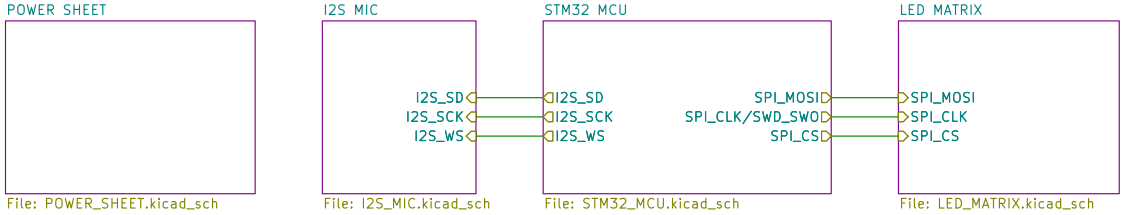
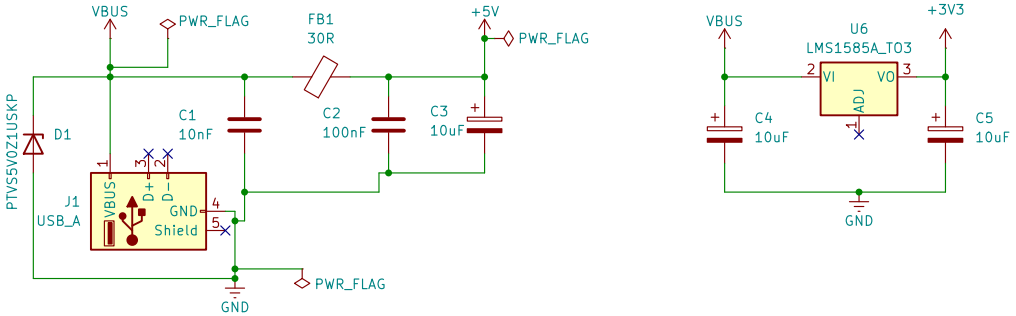


Sheet: /
File: i2s_spekky_matrix.kicad_sch

Title: Spekky Matrix Schematic

Size: A5	Date: 2024-11-18	**Rev: v09**
KiCad E.D.A. 8.0.6		Id: 1/5

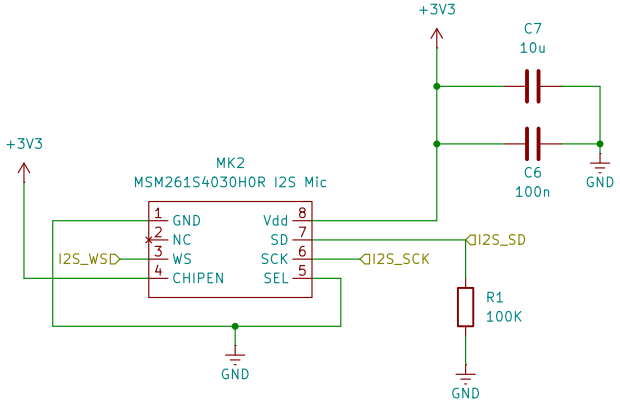


All things power related

Sheet: /POWER SHEET/
File: POWER_SHEET.kicad_sch

Title: Power Sheet

Size: A5	Date: 2024-11-18	**Rev: v02**
KiCad E.D.A. 8.0.6		Id: 2/5

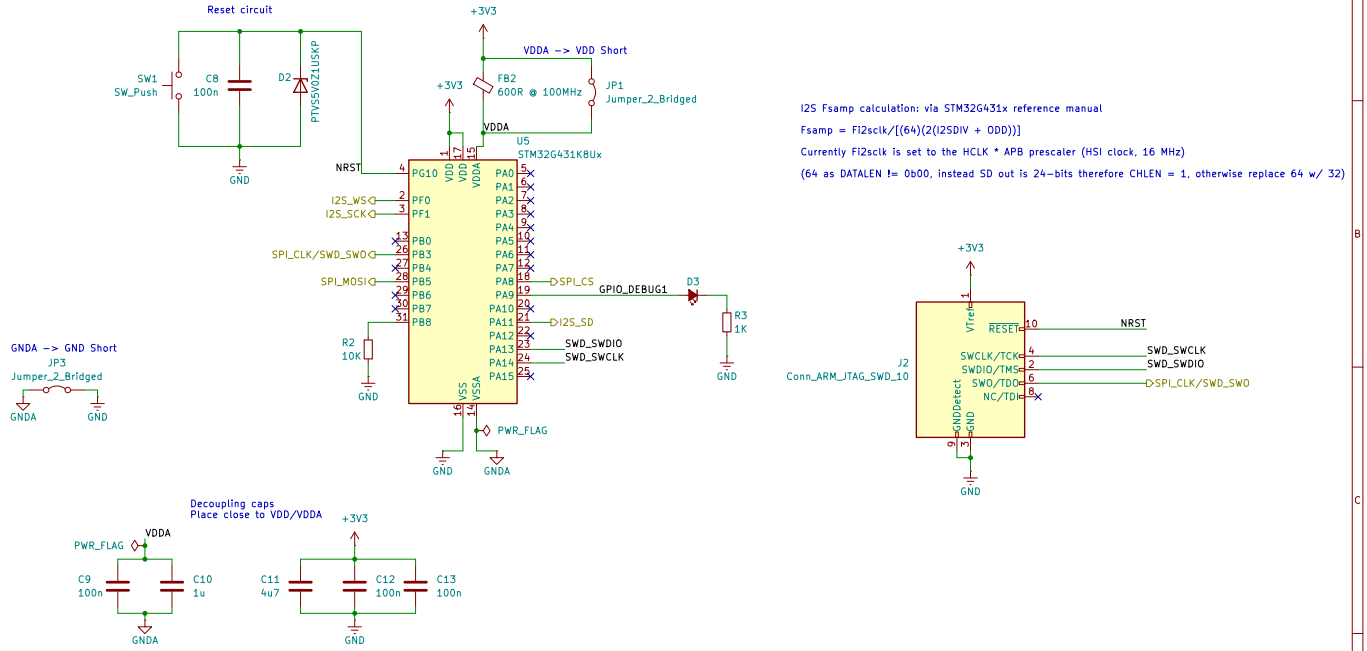


Same as Fermion I2S mic breakout board

Sheet: /I2S MIC/
File: I2S_MIC.kicad_sch

Title: I2S Mic

Size: A5	Date: 2024-11-18	**Rev: v01**
KiCad E.D.A. 8.0.6		Id: 3/5

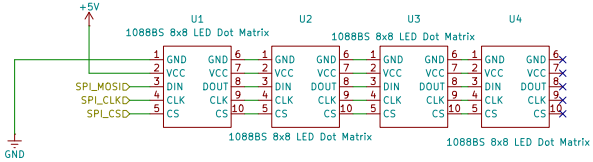


On Nucleo32-STM32G431KB devices PF0 and PF1 are disconnected.
SB11 and SB8 must be connected for this schematic to work.
Decoupling capacitor info can be found on datasheet and application note AN5093

Sheet: /STM32 MCU/
File: STM32_MCU.kicad_sch

Title: STM32G431KB Schematic

Size: A4	Date: 2024-11-19	**Rev: v02**
KiCad E.D.A. 8.0.6		Id: 4/5



MAX7219 based cascaded 8x8 LED matrices

Sheet: /LED MATRIX/
File: LED_MATRIX.kicad_sch

Title: 8x32 LED Matrix

Size: A4	Date: 2024-11-18	**Rev: v01**
KiCad E.D.A. 8.0.6		Id: 5/5