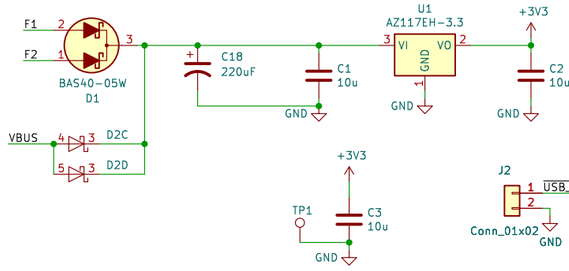
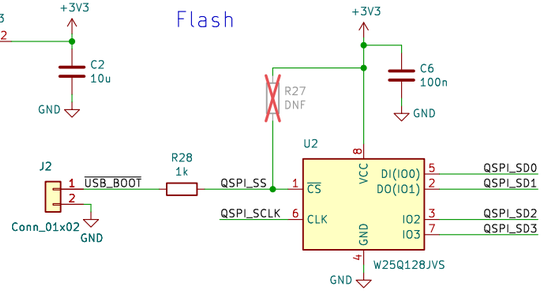
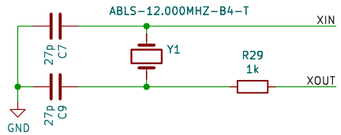
Power



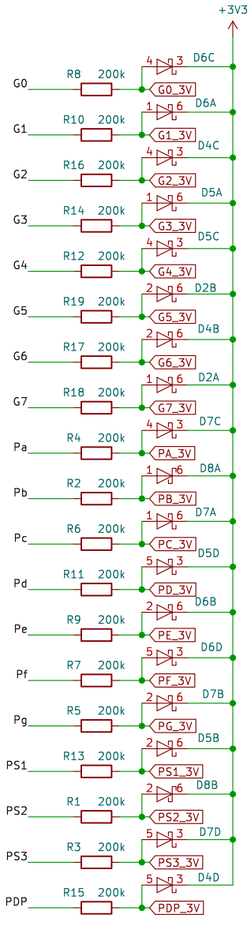
Flash

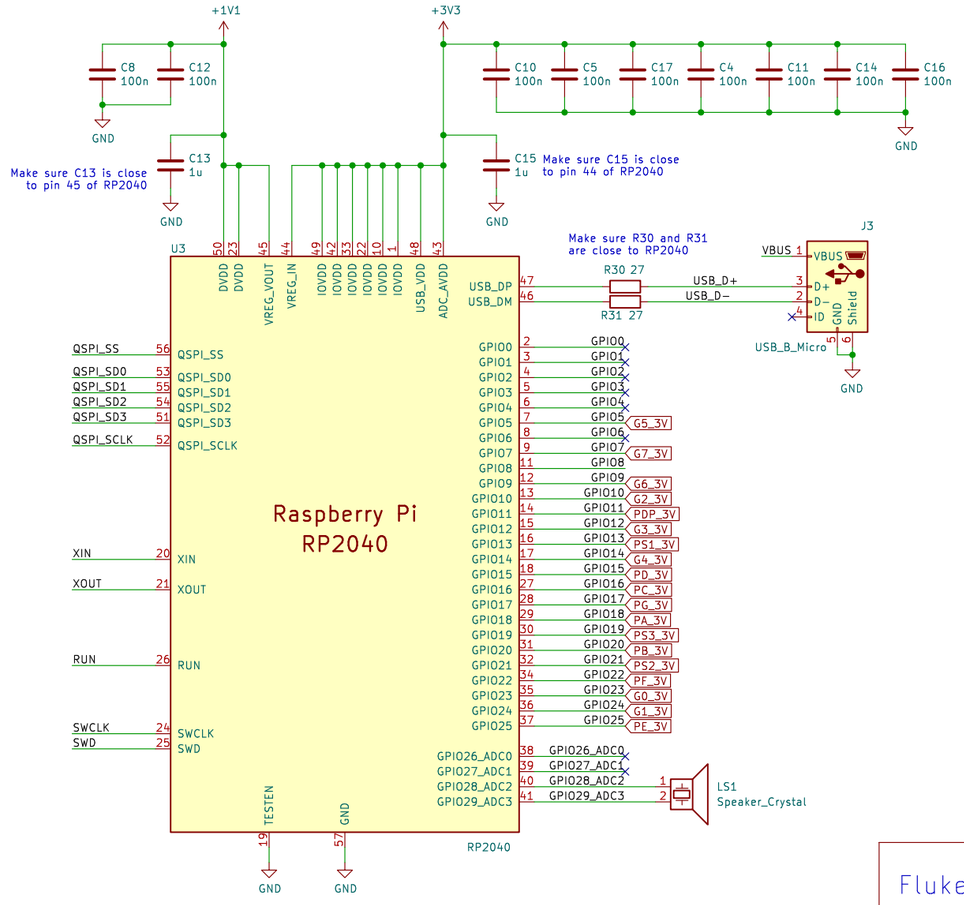


Crystal

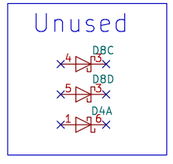


30V logic levels from Fluke 884x





Unused



F1–F2 are from a 4.5VAC transformer whose center-tap is tied to +5V.
The Pxx and Gxx lines are 30V logic. All 19 of these lines are clamped to 3.3V using the 200k resistors R1–R19 and their associated Schottky diodes.
The S0–S2 lines are inverted, current-sinking.
5V versions of G0–G2 used for scanning the key matrix columns.
Since these duplicate G0–G2, we don't bother watching them also.
The RL0–RL6 lines are 5V logic row lines coming from the key matrix.

Fluke 884x Continuity Buzzer

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Title: Fluke 884x Continuity Buzzer

Size: USLedger	Date: 2024-08-24	**Rev: 3**
KiCad E.D.A. 8.0.4		Id: 1/1