Sheet: fully_differential_amp

Fully Differential Amp

File: fully_differential_amp.sch

Sheet: common_mode_rejection

Common Mode Rejection

File: common_mode_rejection.sch

Sheet: unbalanced_to_balanced

AC coupling stage and Balun

File: unbalanced_to_balanced.sch

Sheet: power

POWER

File: power.sch

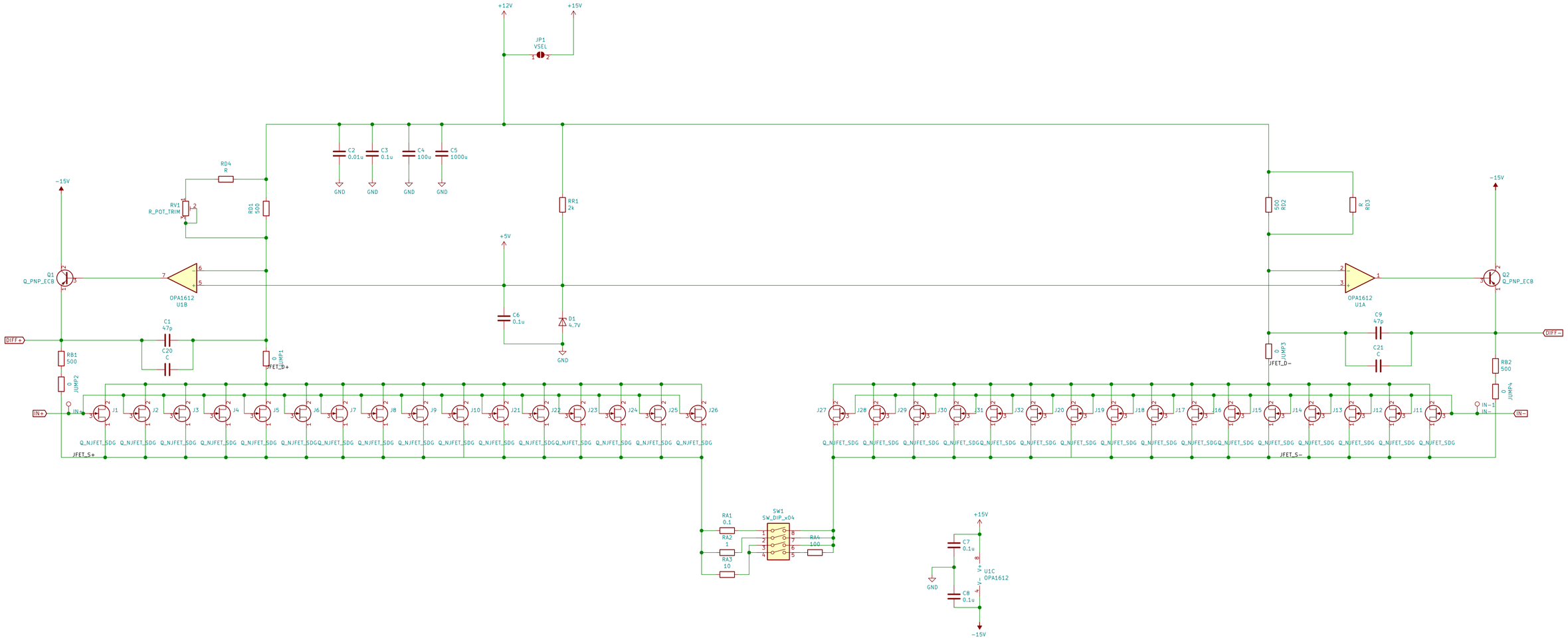
Ultra-low-noise fully differential amplifier using parallel JFETs. Measured noise <1nV/√Hz.
Based on Spinelli & Haberman (2024), with modifications.

Vach and ChatGPT

Sheet: /
File: LNA5.sch

Title: LNA01

Size: A4	Date: 2025-07-03	**Rev: 5**
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 1/5



Ultra-low-noise fully differential amplifier using parallel JFETs. Measured noise <1nV/√Hz.
Based on Spinelli & Haberman (2024), with modifications.

Vach and ChatGPT

Sheet: /fully_differential_amp/
File: fully_differential_amp.sch

Title: Fully Differential Amplifier

Size: A2	Date: 2025-07-03	**Rev: 5**
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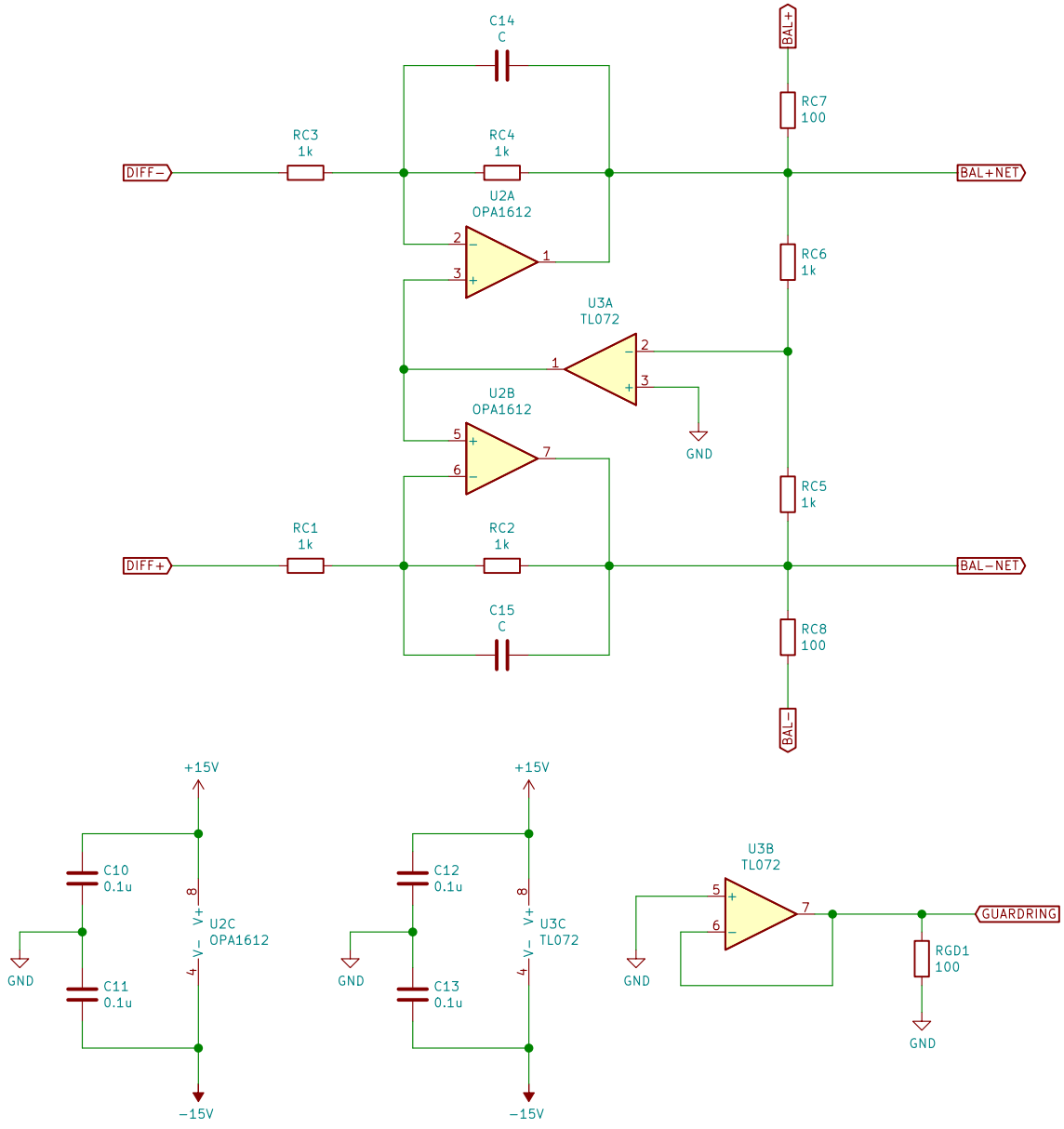

Ultra-low-noise fully differential amplifier using parallel JFETs. Measured noise <1nV/√Hz.
Based on Spinelli & Haberman (2024), with modifications.

Vach and ChatGPT

Sheet: /common_mode_rejection/
File: common_mode_rejection.sch

Title: Common Mode Rejection

Size: A4	Date:	**Rev: 5**
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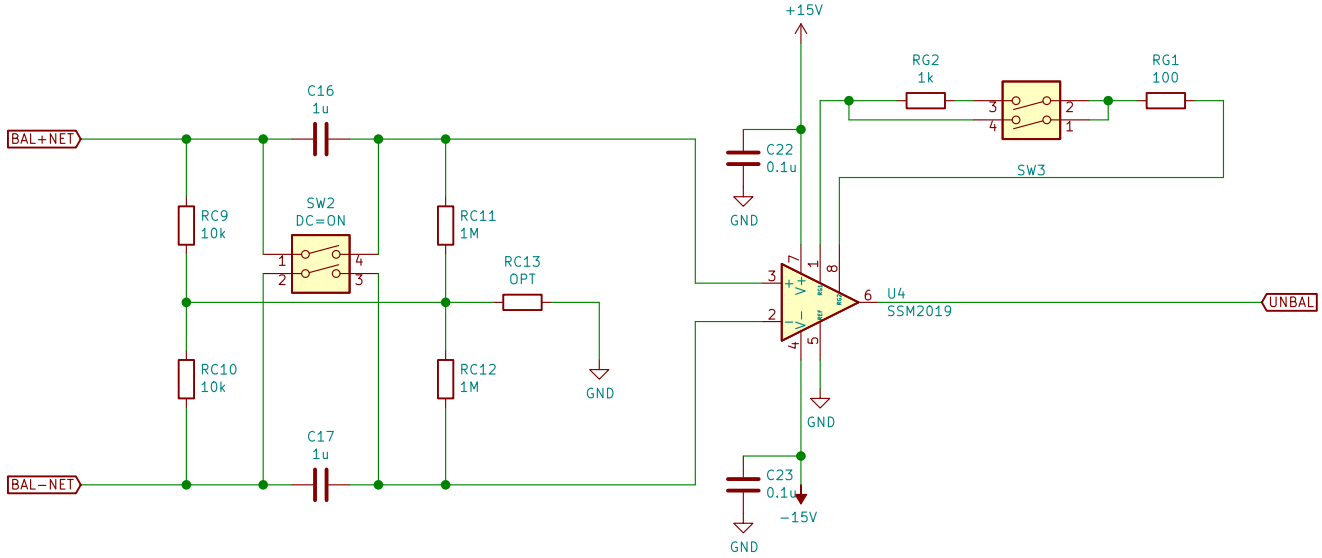

Ultra−low−noise fully differential amplifier using parallel JFETs. Measured noise <1nV/√Hz.
Based on Spinelli & Haberman (2024), with modifications.

Vach and ChatGPT

Sheet: /unbalanced_to_balanced/
File: unbalanced_to_balanced.sch

Title: Unbalanced to Balanced

Size: A4	Date: 2025−07−03	**Rev: 5**
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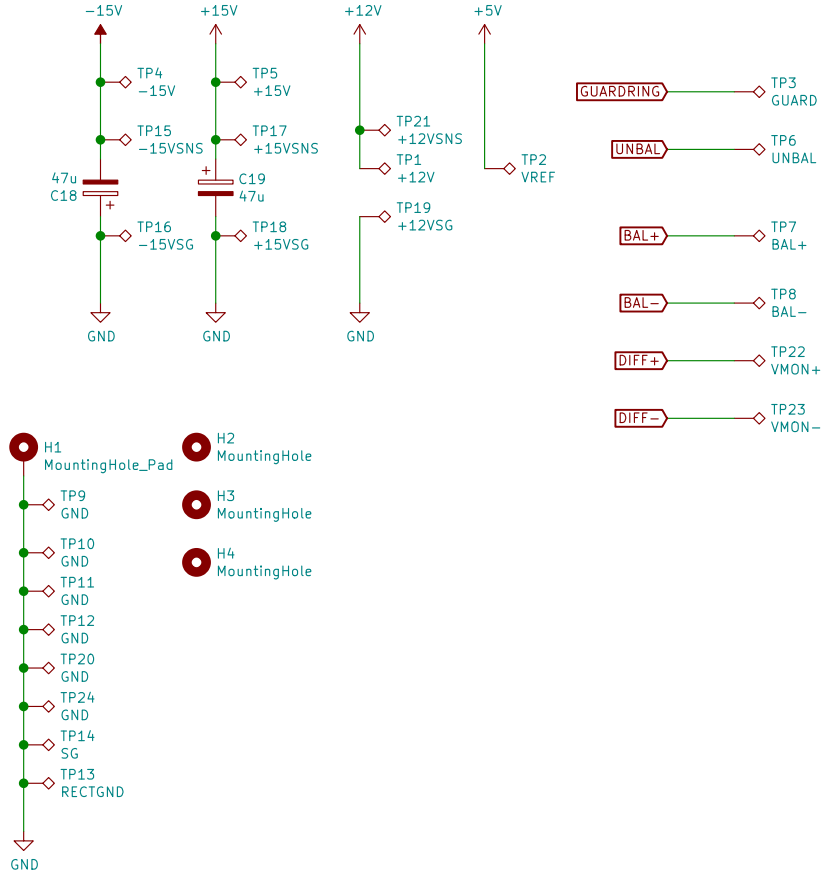

Ultra−low−noise fully differential amplifier using parallel JFETs. Measured noise <1nV/√Hz.
Based on Spinelli & Haberman (2024), with modifications.

Vach and ChatGPT

Sheet: /power/
File: power.sch

Title: Power

Size: A4	Date:	**Rev: 5**
KiCad E.D.A. kicad 5.1.5+dfsg1−2build2		Id: 5/5