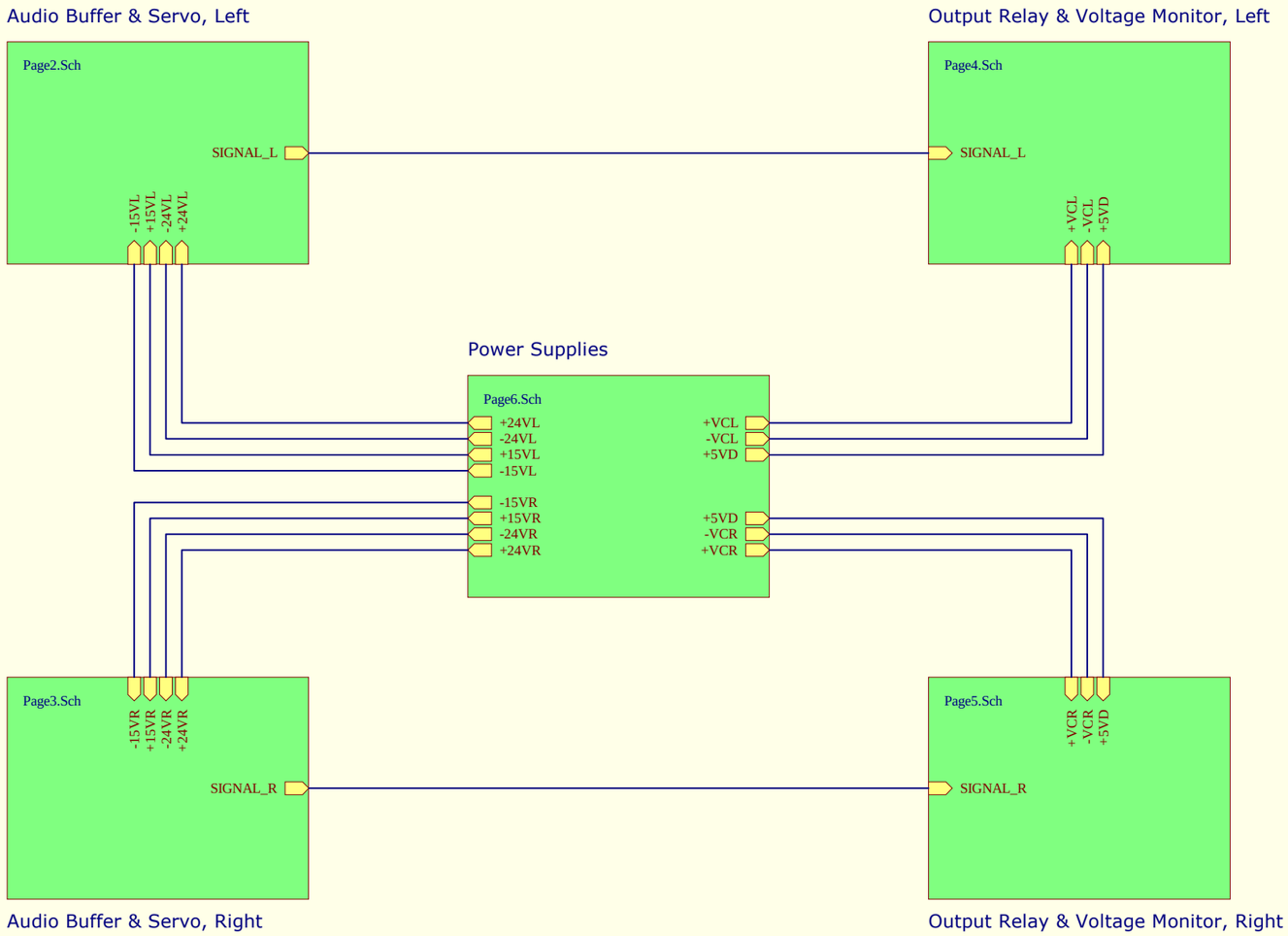
Discrete DC Coupled Audio Buffer

for Preamps & D/A Converteres



Highlights

Easy to Build
Dual Mono Design
DC Coupled Input & Output
3 Stage Transistor Design
None Global Feedbacks
Ultra Subsonic DC Servo

Technical Specifications

Frequency Response: 0.05Hz-5.0MHz @-3dB
Dynamic range @ 1KHz: >132dBV
THD+N @ 0dBV: 0.020%
Channel Crosstalk: >132dBV
Signal to Noise Ratio: 112dBV
Input impedance: 100kohm
Output Impedance: 50ohm
Maximum Output: 7Vrms

Options

Selectable Gain: 0dB, +3dB, +6dB
Compatible with 10k-100kohm Potentiometers
Compatible with Audio Step Ladder Attenuators
Optional 100KHz Bandwidth Limit for DACs
Compatible with Voltage Out D/A Converters
Examples: AK4396, CS4398, WM8741 or equivalent

Revision History

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Audio Buffer & Servo, Left

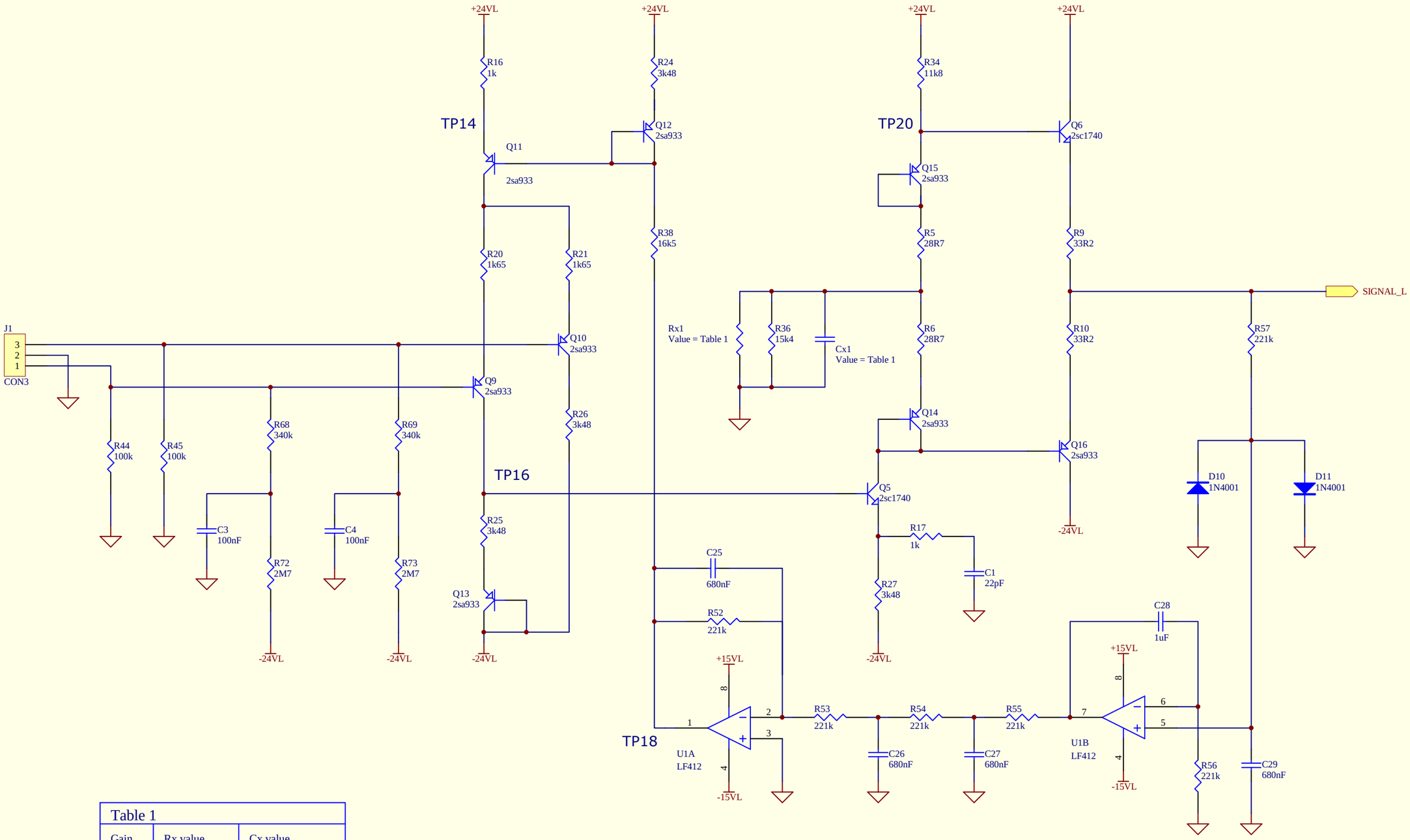

Table 1		
Gain	Rx value Adjustabel Gain	Cx value 100kHz Bandwitdth
+6 dB +3 dB 0 dB	Not mounted 15.4k 6.8k	220pF 330pF 470pF

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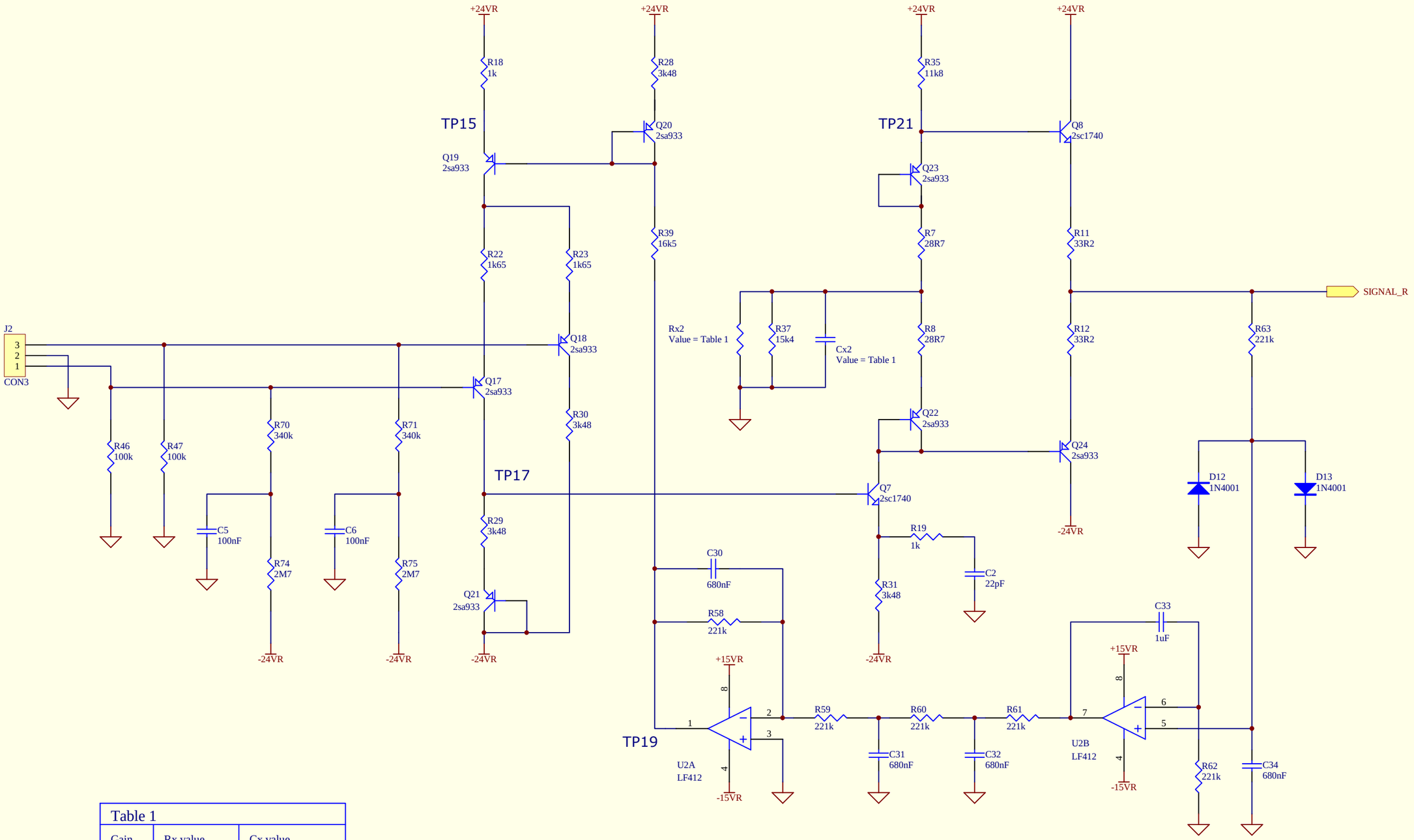
Audio Buffer & Servo, Right



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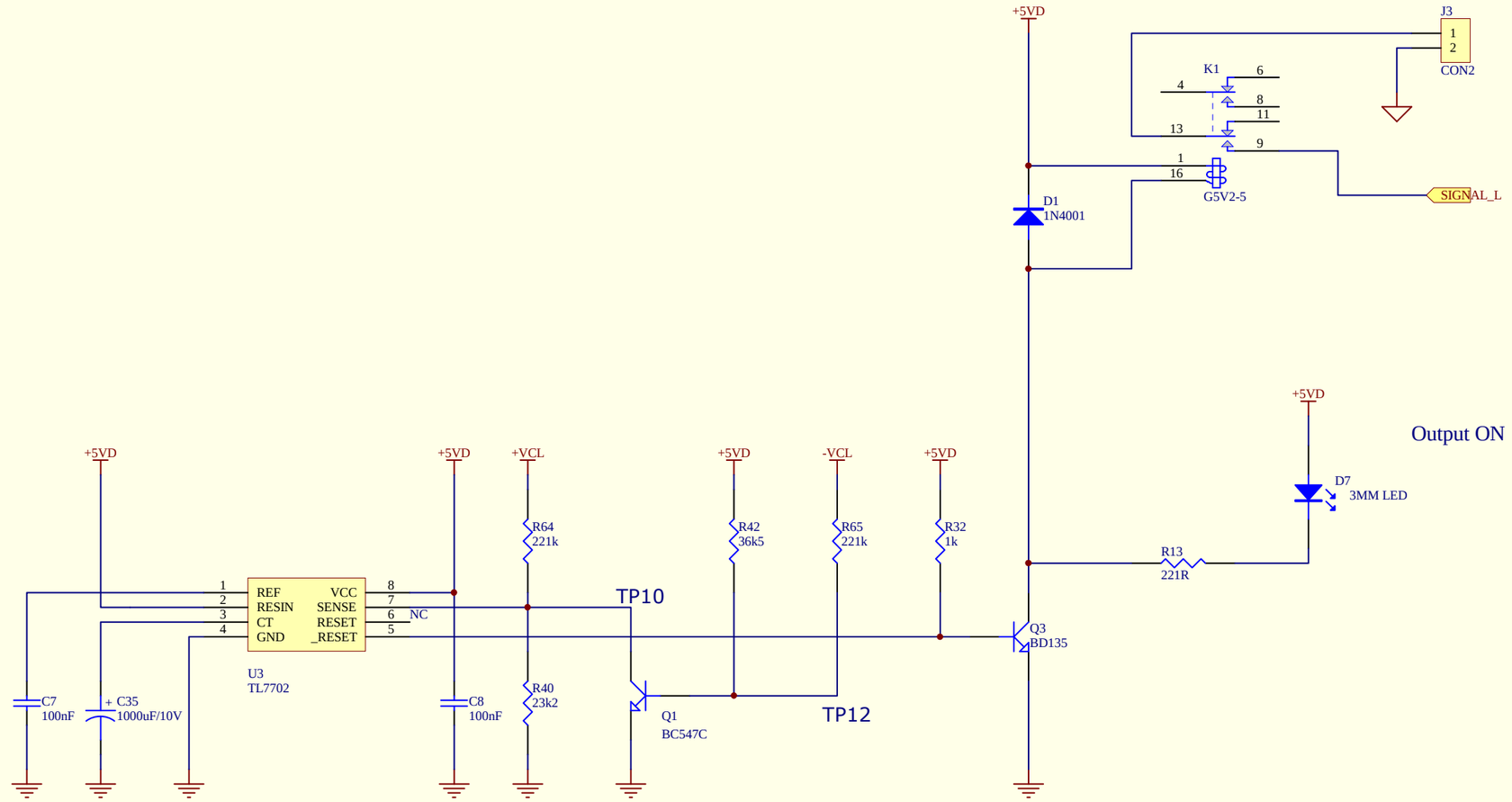
Output Relay & Voltage Monitor, Left



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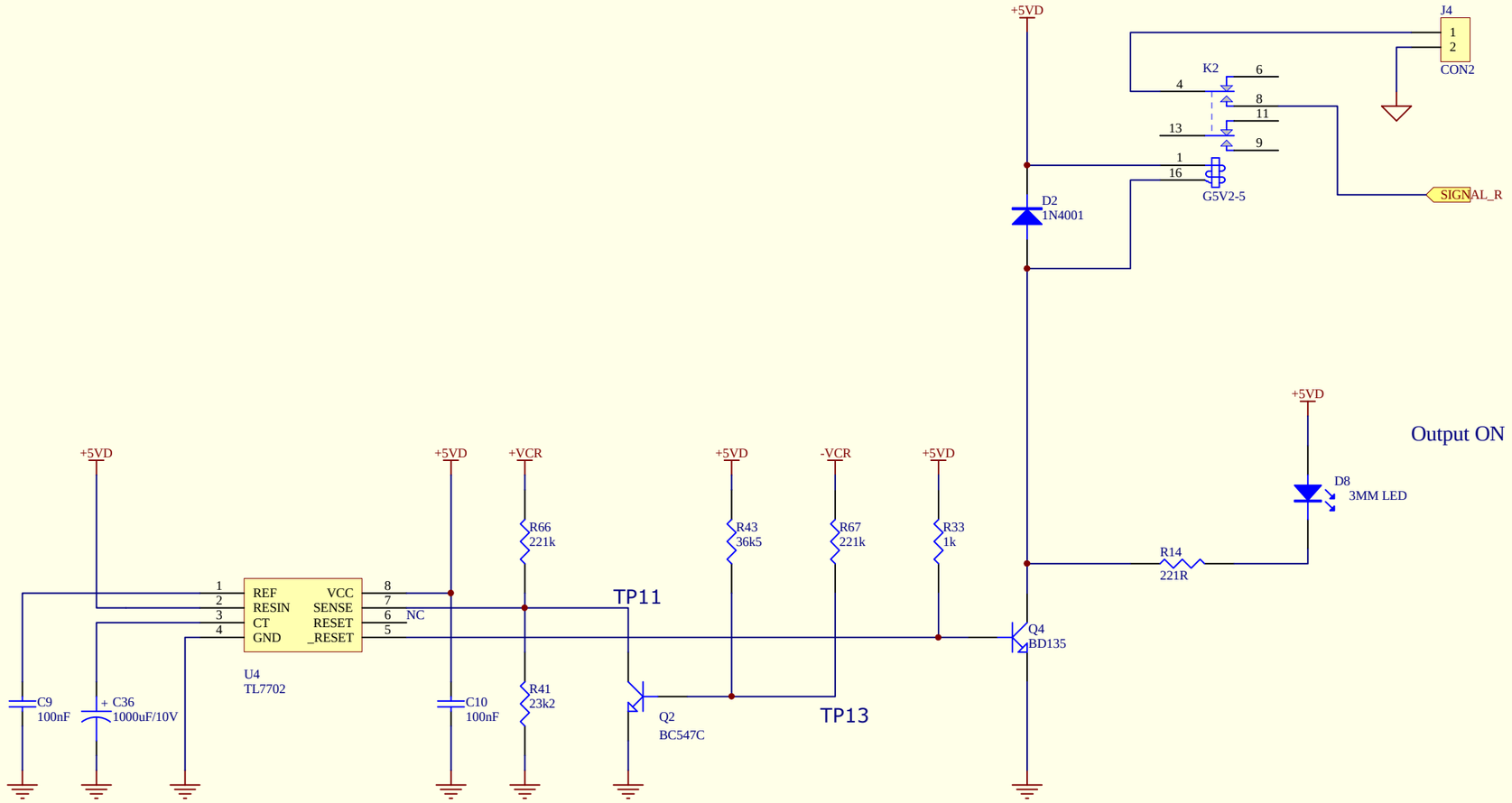
Output Relay & Voltage Monitor, Right



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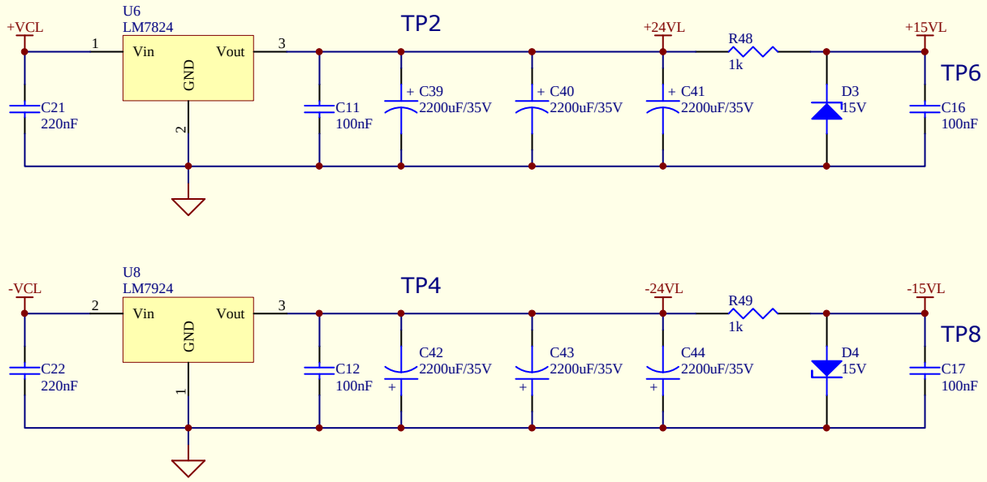
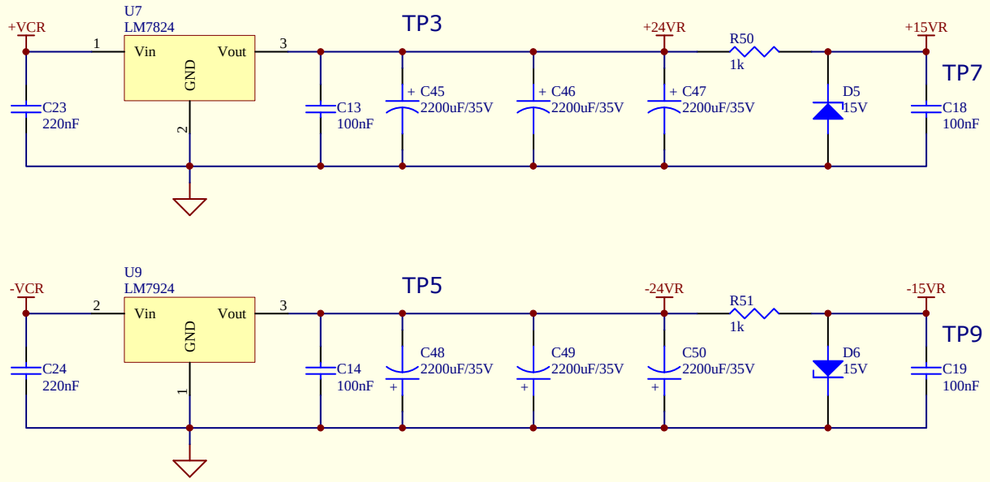
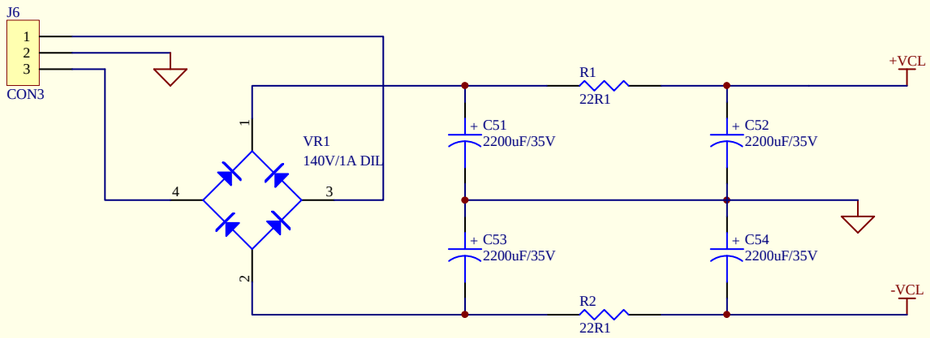
Power Supplies

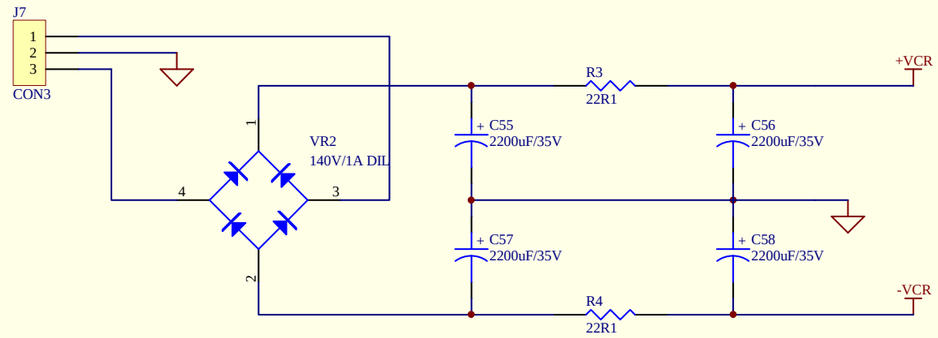




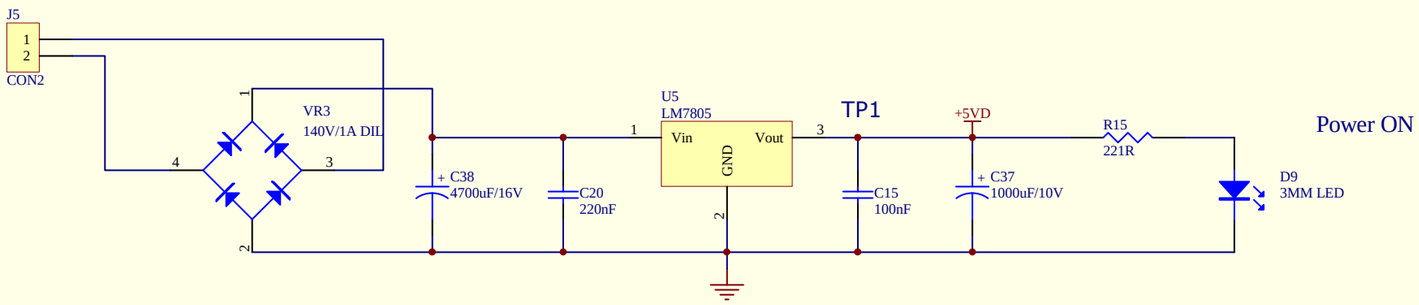
2x22VAC or 30VDC

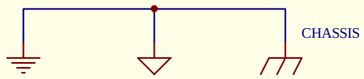


2x22VAC or 30VDC



1x 7VAC or 9VDC





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Revision History

A - Initial Release on http://www.diyhifi.dk/