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Sheet: /Supply_Ref/

File: Supply_Ref.sch

Title: RedPitaya Lockbox: +/-12V,+5V Supply and +10V Reference

Size: A4

Date: 2020-11-13

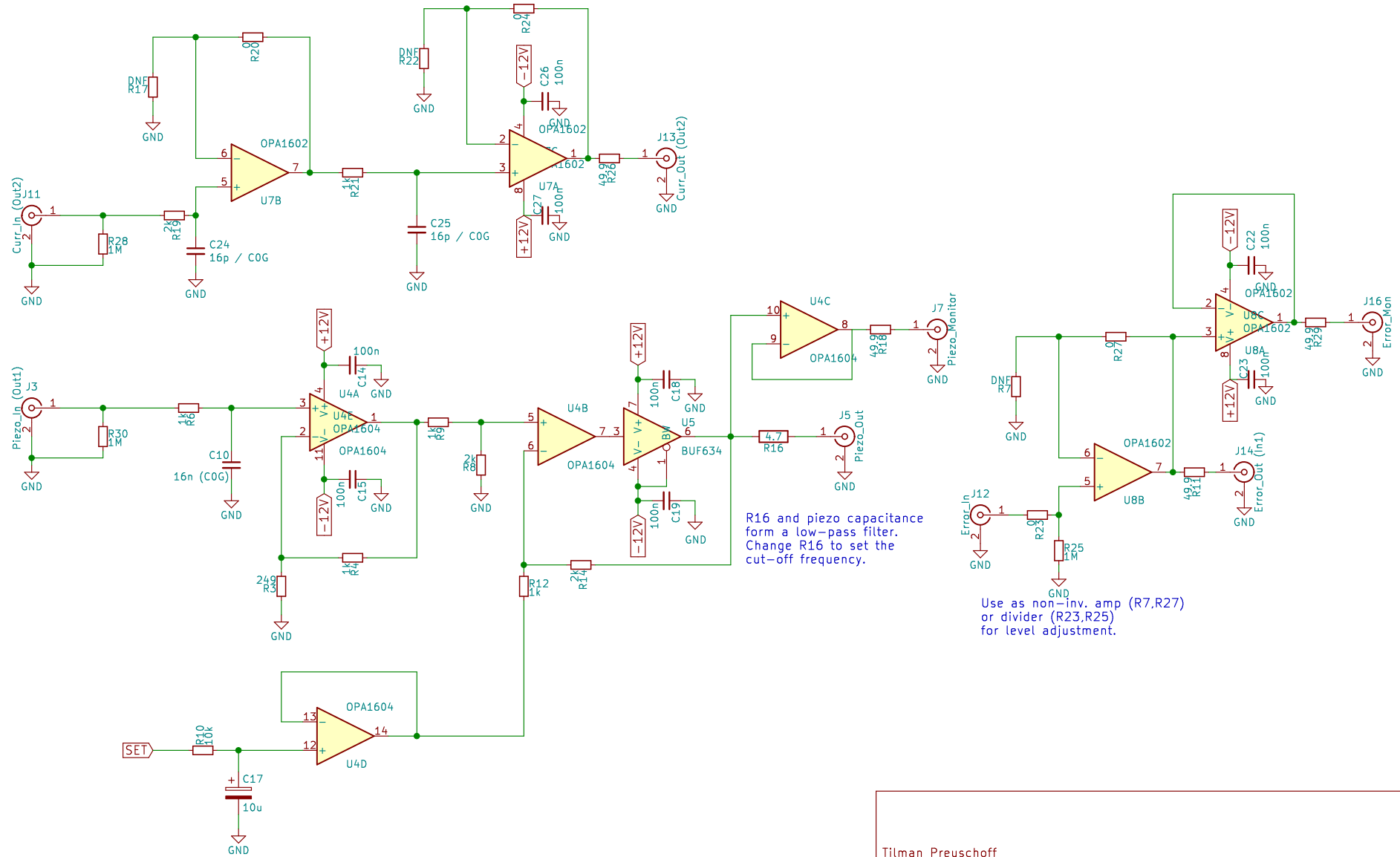
Rev: 1.4.1

KiCad E.D.A. kicad (5.1.2)-1

Id: 2/3

Output-stage gain: $(R20/R17+1)*(R24/R22+1)$
Default: gain =1

R19,C24 and R21,C25 set the output filter cut-off frequency
Default: 5 MHz and 10 MHz



R16 and piezo capacitance form a low-pass filter. Change R16 to set the cut-off frequency.

Use as non-inv. amp (R7,R27) or divider (R23,R25) for level adjustment.

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Sheet: /Piezo_Controller/

File: Piezo_Controller.sch

Title: RedPitaya Lockbox: Piezo Controller

Size: A4 Date: 2020-11-13

KiCad E.D.A. kicad (5.1.2)-1

Rev: 1.4.1

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