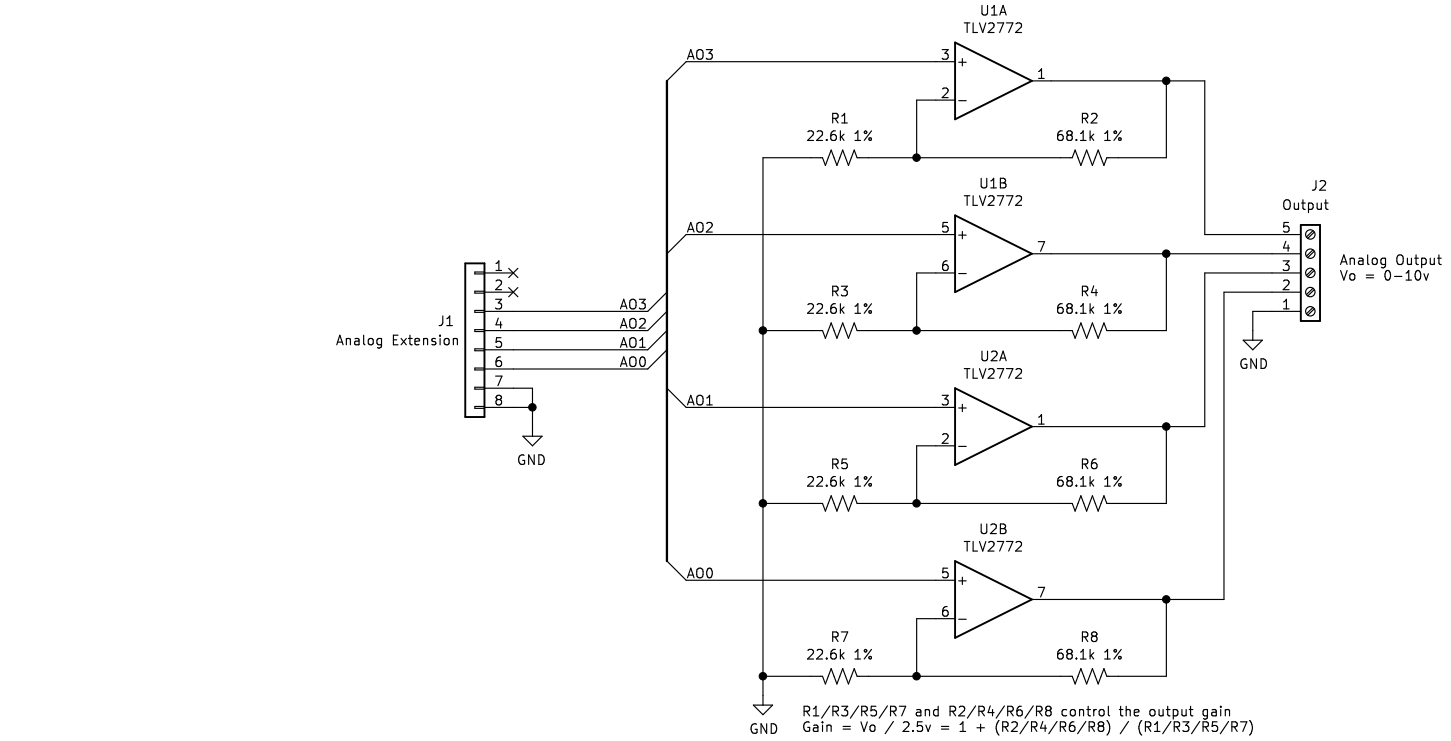


The output can be scaled from 1.25v to 40v. The following are the values for standard voltages:

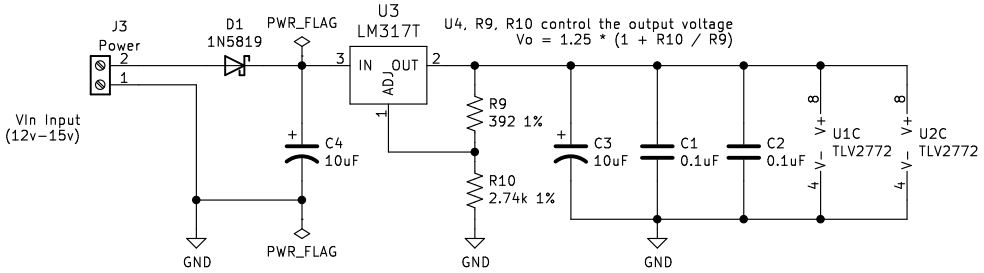
5V:
Gain=2
R1/R3/R5/R7=22.6k 1%
R2/R4/R6/R8=22.6k 1%
R9=392 1%
R10=11.8k 1%
Vin=8v-24v

10V:
Gain=4
R1/R3/R5/R7=22.6k 1%
R2/R4/R6/R8=68.1k 1%
R9=392 1%
R10=27.4k 1%
Vin=12v-24v

12V:
Gain=4.8
R1/R3/R5/R7=22.6k 1%
R2/R4/R6/R8=84.5k 1%
R9=392 1%
R10=34.0k 1%
Vin=15v-24v

15V:
Gain=6
R1/R3/R5/R7=22.6k 1%
R2/R4/R6/R8=113k 1%
R9=392 1%
R10=43.2k 1%
Vin=20v-24v

24V:
Gain=9.6
R1/R3/R5/R7=22.6k 1%
R2/R4/R6/R8=196k 1%
R9=392 1%
R10=71.5k 1%
Vin=28v-30v



MH1 MountingHole
MH2 MountingHole
MH3 MountingHole
MH4 MountingHole

Designed by: SparkyBobo

Sparky Bobo Designs

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File: io-analog-voltage.sch

Title: DMX Demonstrator - Analog IO Voltage (DMX-103)

Size: A4	Date: 2023-12-19	**Rev: 1.4**
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