



Resistors:

- R1 47R
- R2 220R
- R3 10K
- R4 10K
- R5 10K
- R6 1K
- R7 100K
- R8 220R
- R9 56K
- R10 200R
- R11 306R
- R12 29.4R
- VR1 22K
- VR2 10K
- VR3 100K

Semiconductors:

- Q1 SI9430DY or similar
- Q2 Any small signal PNP transistor
- Q3 Any small signal PNP transistor
- Q4 MGSF1P02LT1 or similar
- Q5 Any small signal NPN transistor
- Q6 2N2905, or any small signal PNP transistor
- D1 LED, green
- D2 1N4148 or similar
- D3 LED, red
- Z1 Zener, 6.8V
- U1 ISL21009BFB850Z voltage reference
- U2 LM358 op-amp for single supply

Capacitors:

- C1 10uF (or larger) tantalum
- C2 10uF (or larger) tantalum

TITLE 5v + 176mV + Var Precision reference

FILE: reference-final-1.sch

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REVISION:

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