PRJ-003
Mu-Tron Phasor II

November 24, 2019

Contents

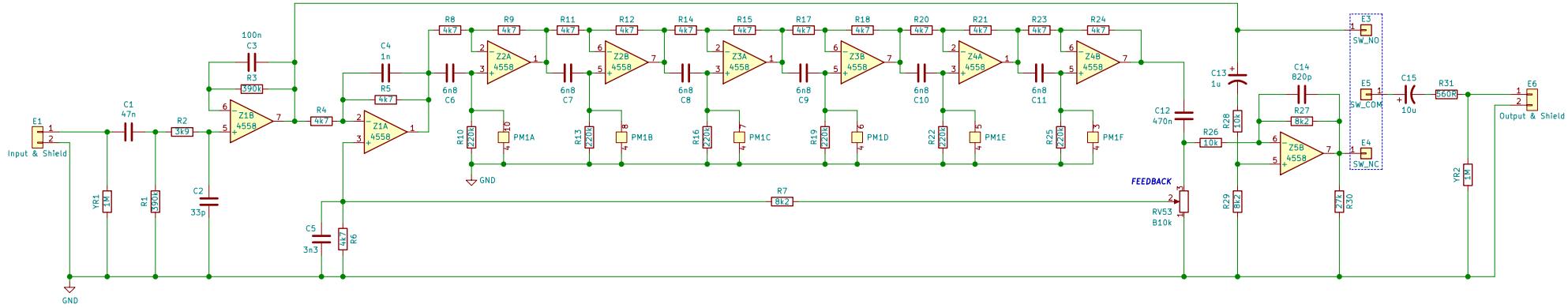
1 References **2**

2 Research **2**

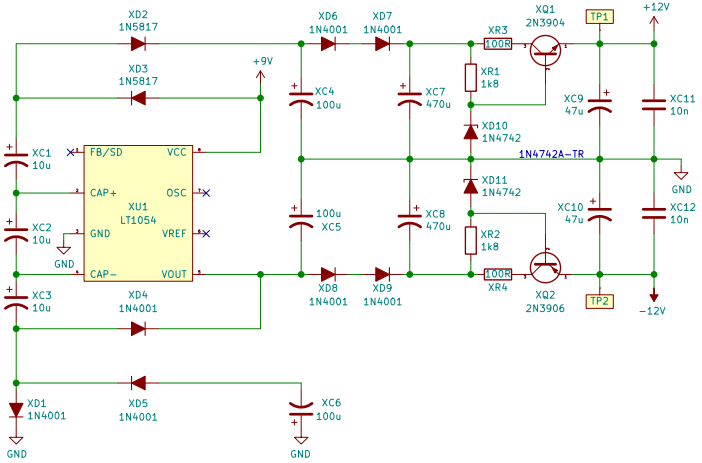
1 References

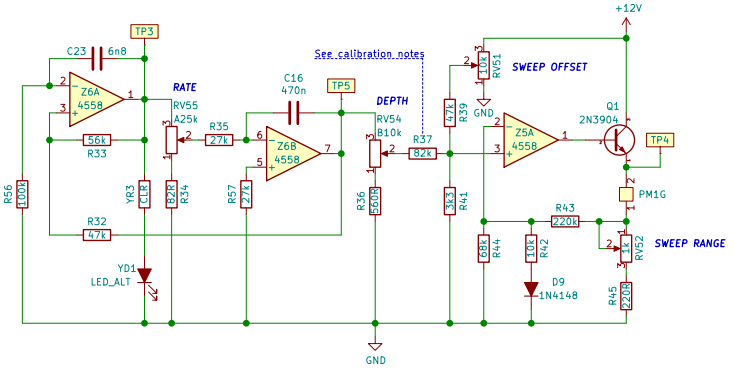
2 Research

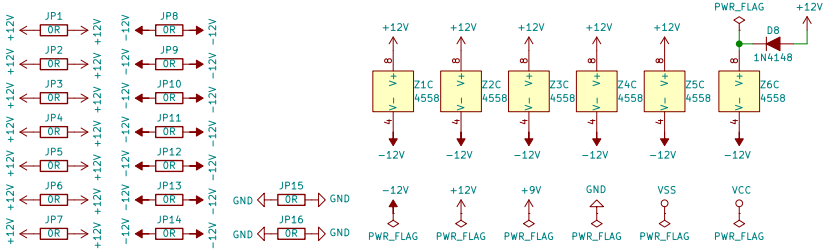
#110-000 - PHASOR

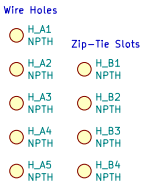


#310-000 - POWER SUPPLY









POWER SUPPLY

ORIGINAL POWER SUPPLY:
> 110 / 220 VAC
> 30 VAC CT (+/- 15 VAC)
> +/- 19.8 VDC (RECTIFIED)
> +/- 12 VDC

V(IN) = 9V
V(OUT) = 2*V(IN) - 2*V(DIODE) = 2*9V - 2*0.7V = 16.6V
V(OUT2) = V(OUT) - 2*V(DIODE) = 16.6V - 2*0.7V = 15.2V

XD1 - XD5:
- 1N5817 for increased voltage
- 1N4001 for decreased voltage

JP13 / JP14 & XD6 - XD9:
- DNP / 1N4001 for decreased voltage
- Jumpered for increased voltage

WIRE PADS

E1 - INPUT
E2 - GND
E3 - SW NO (DRY)
E4 - SW NC (WET)
E5 - SW COM
E6 - OUTPUT
E7 - NEUTRAL (0 VAC)
E8 - LIVE (110-220 VAC)