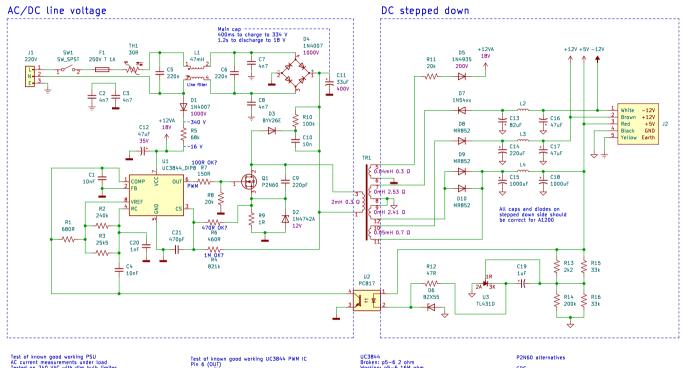
!WIP!

Based on the A500 PSU schematic by Greg McCarthy (https://github.com/StormTrooper) Some part values will still be for A500 PSU, so always double check before ordering



Test of known good working PSU AC current measurements under load Tested on 240 VAC with dim bulb limiter Ticking sound under no load is normal Test of known good working UC3844 PWM IC Pin 6 (OUT) Load on 5V output UC3844 Broken: p5-6 2 ohm Working: p5-6 16M ohm GDS 600 V 2.9 A 70 W RDS(on) < 3.5 ohm Vgs +/- 20 V 1: 5 V constant after 600 ms I (5 V) 5 VDC 12 VDC 240 VAC 276 ms | 25 us 2: U V 3: 1 V pulse after 1 s 4: 3 V 69 kHz (15 us) signal after 600 ms 5: 0 V $\,$ 0 mA 28 mA 1.0 A 3.0 A 6.0 A 7.0% 4.0% 9.5% 15.0% 20.0% 18.0 V 12.2 V 14.8 V 16.4 V 19.0 V 0.00 A 4.90 V 0.00 A 5.10 V 1.00 A 4.99 V 1.45 A 4.93 V 3.00 A 4.70 V 0 mA 16.00 V 70 mA 10.96 V 70 mA 11.89 V 70 mA 12.10 V 70 mA 12.60 V 5: 0 V 6: 13 V PWM 7: 16 V linear charge over 600 ms, drops to 11 V 8: 5.4 V after 600 ms

P-No: 391029-02
Board: 30501-001 A
Rating: UK 220-240 V 300 mA
Based on the A500 PSU schematic by Greg McCarthy
Nick Botton
Sheet: /
Fite: a1200-psu.kicad_sch

Title: Amiga A1200 PSU (UK)
Size: A3 Date: 2023-02-10 Rev: 1D
KiCad E.D.A. kicad (6.0.7-1)-1 ld: 1/1