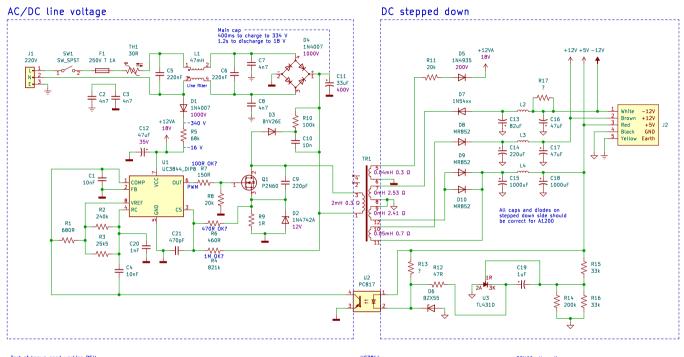
!WIP!

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				UC3844	P2N60 alternatives
			Pin 6 (OUT)				Broken: p5-6 2 ohm	GDS
			Load on 5V output				Working: p5-6 16M ohm	600 V 2.9 A 70 W
5 VDC 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	12 VDC 0 mA 16.00 V 70 mA 10.96 V 70 mA 12.10 V 70 mA 12.60 V	240 VAC 31 mA 37 mA 68 mA 97 mA 180 mA	I (5 V) 0 mA 28 mA 1.0 A 3.0 A 6.0 A	Duty 7.0% 4.0% 9.5% 15.0% 20.0%	Period 276 ms 25 us 25 us 25 us 25 us	V max 18.0 V 12.2 V 14.8 V 16.4 V 19.0 V	1: 5 V constant after 600 ms 2: 0 V 3: 1 V pulse after 1 s 4: 3 V 69 Hz (15 us) signal after 600 ms 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	OUV V.2.9 A 70 W RDS(on) < 3.5 ohm Vgs +/- 20 V STP4NK60Z (4 A) STP5NK60Z (5 A) IRFBC30PBF (3.6A)

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: /
File: a1200-psu.kicad_sch

Title: Amiga A1200 PSU (UK)

Size: A3 Date: 2023-02-10 Rev: 1E
KiCad E.D.A. kicad (6.0.7-1)-1 Id: 1/1