

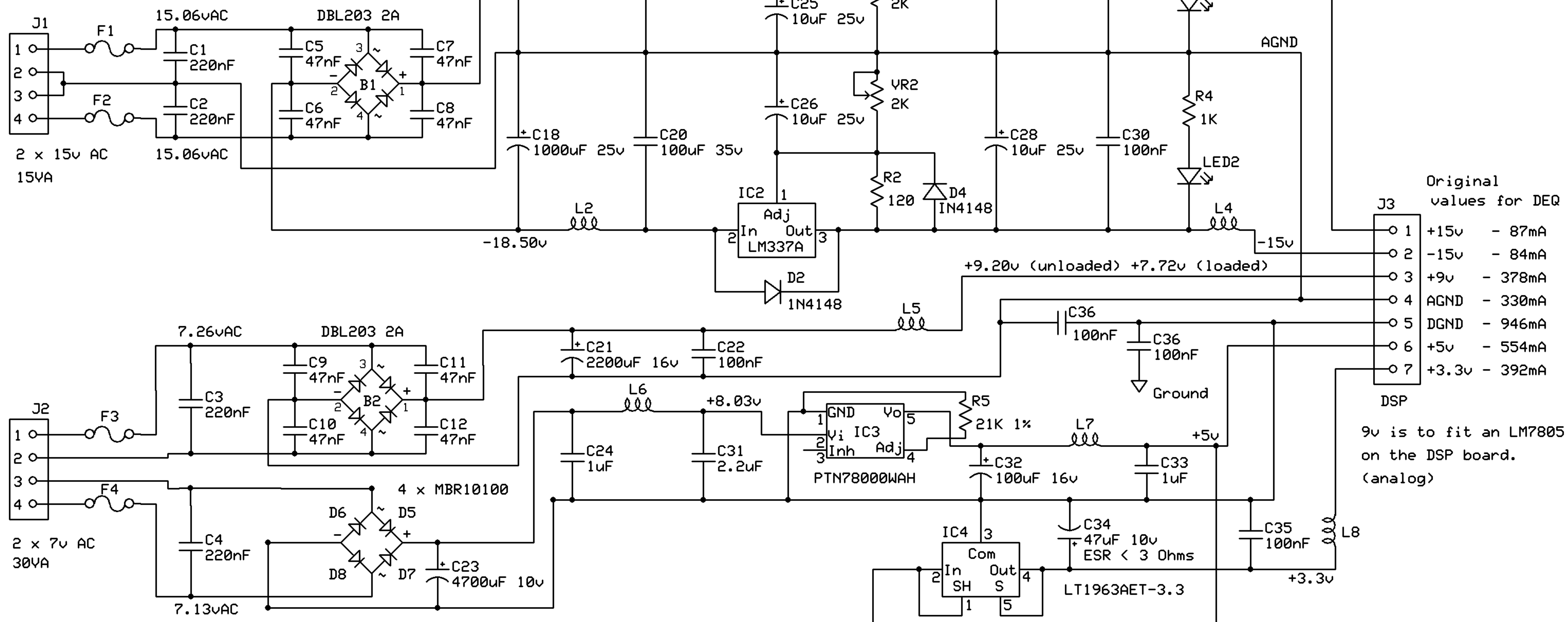
230v fuse: 1A

Add a big tube bead ferrite around the 230v AC cables.

Voltage tested with 228v AC at input.

Numbers are Farnell references

IMPORTANT: This power supply produce some heats.
The box need holes vent top of the PSU.



Bridge B1, B2 : bridge DBL203 2A 1299294 (DIL-4)

D1, D2, D3, D4: 1N4148 9843680 (DO-35)

D5, D6, D7, D8: MBR10100 9549447 (TO220AC)

VR: 15 turns cermet 2K T63YB 1141446

F1, F2: Polyswitch RXE025 0.25A 1175860 (7.4x7.6x5.1)

F3: Polyswitch RXE090 0.90A 1175869 (11.7x7.6x5.1)

F4: Polyswitch MFR250 2.5A 9350500 (11.7x7.6x5.1)

J1, J2: 4 poles connector 3089058 (PCM 5)

J3: 7 poles connector 3089083 (PCM 5)

L1 to L8: 2 x tube bead 3x4mm per inductor 242500

C31: 2.2uF 16v Kermet 9227911 (SMD 1206)

C24, C33: 1uF 25v Kermet 9227865 (SMD 1206)

C23: Rubycon ZLH 4700uF 10v 8126224

C21: Rubycon ZLH 2200uF 25v 8126445

C17, C18: Rubycon ZLH 1000uF 25v 8126437 (23x10x5)

C19, C20: Rubycon ZLH 100uF 35v 8126658 (11x6.3x2.5)

C5 to C16: 47nF 50v multilayer ceramic X7R 1200402 (PCM 2.5)

C1, C2, C3, C4: polyster AVX 220nF 63v 1189290 (PCM 5)

C25, C26, C27, C28 Tantalum 10uF 25v 1100479 (PCM 5)

C34: Tantalum 47uF 10v 1100460 (PCM 5)

C22, C29, C30: Wima MKS2 100nF 63v 1006031 (PCM 5)

Others: 100nF 50v multilayer ceramic X7R 1200403 (PCM 2.5)

C32: 100uF 16v Sanyo OSCON SH 9189343 (10.5x8x3.5)

Socket for IC3: 5 x 1mm Harwin socket 150501

LEDs: small red led or what you want.

For IC4: heat sink for T0-220 8 C/W SK409-25 4621293

Optional: Fan PAPS 255M 5v (25mm x 8mm)

DIY DEQ2496 PSU

for personnal use

Stef

Rev 0.4.1

2/10/2007

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