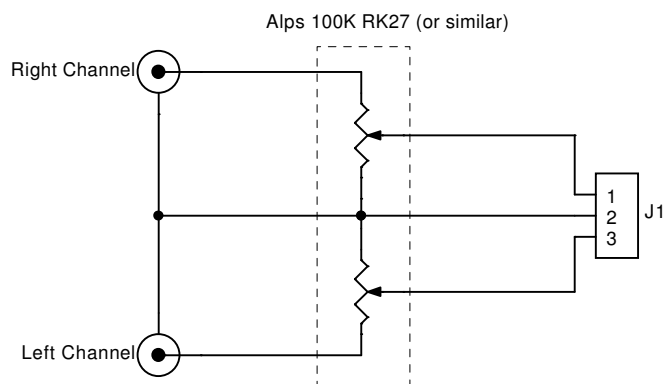
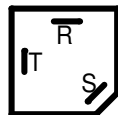
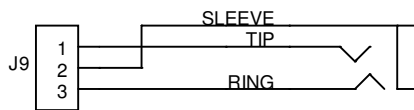
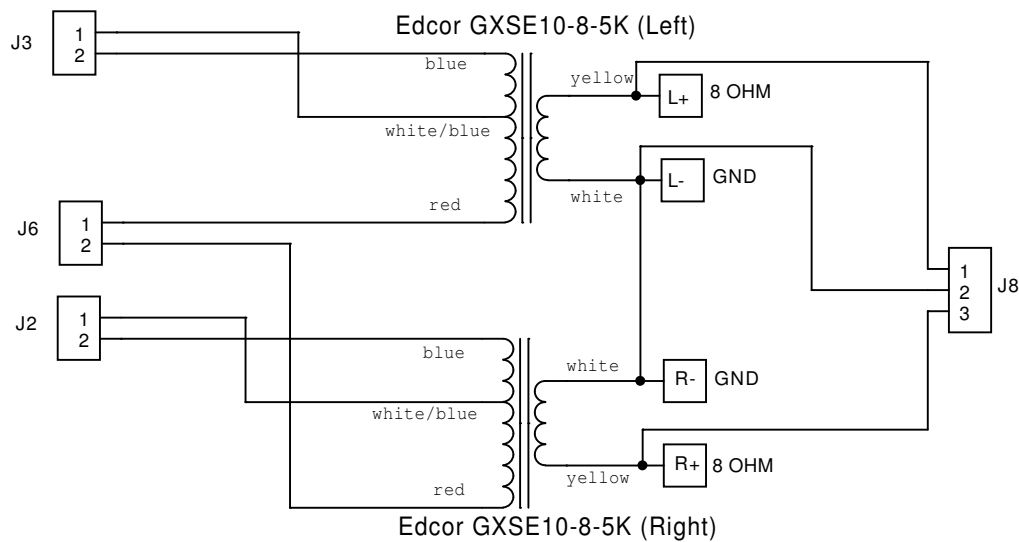
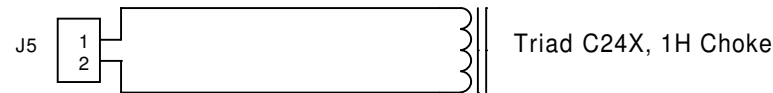
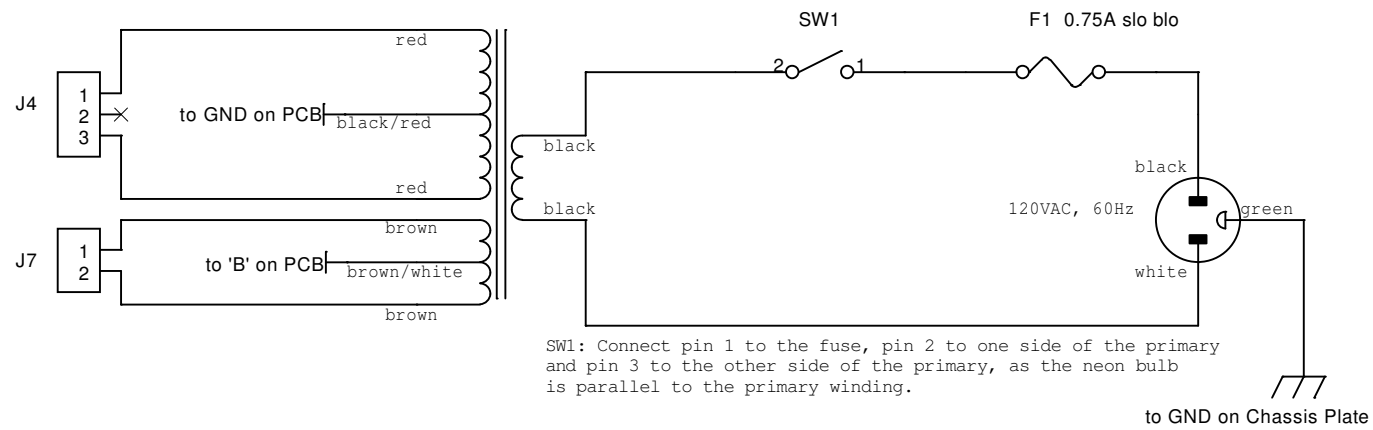


Edcor XPWR136-120



- J1-1 Right Input +
- J1-2 Right Input -, Left Input -
- J1-3 Left Input +
- J2-1 Right Output Transformer Screen (blue/white)
- J2-2 Right Output Transformer Plate (blue)
- J3-1 Left Output Transformer Screen (blue/white)
- J3-2 Left Output Transformer Plate (blue)
- J4-1 Red Secondary
- J4-2 No Connect
- J4-3 Red Secondary
- Important: Solder secondary center tap to GND eyelet by C11.
- J5-1 To Choke
- J5-2 From Choke
- J6-1 Left Output Transformer B+ (red)
- J6-2 Right Output Transformer B+ (red)
- J7-1 Filament Tap (brown)
- J7-2 Filament Tap (brown)
- Important: Solder center tap (brown/white) to 'B' near R17.
- J8-1 to L+
- J8-2 to R- & L-
- J8-3 to R+
- J9-1 to Headphone Tip (Left)
- J9-2 to Headphone Sleeve (corner) (Ground)
- J9-3 to Headphone Ring (Right)

1/27/15
Mouser PCB parts \$36
Mouser chassis parts \$62
Alt suppliers parts \$109
Budgie SE boards \$79
Total \$286 (plus shipping costs)

D1,D2	UF4007 Diode	625-UF4007-E3	0.35
C1,C2	1uF, 100V	667-ECQ-E1105KF	0.84
C3,C4	220uF, 25V	647-UVZ1E221MPD	0.21
C5,C6	2200pF, 100V (bend leads)	505-FKP22200/100/5	0.36
C7,C8	.1uF, 400V	598-715P10454LD3	3.21
C9,C10	470uF, 25V	647-UVZ1E471MPD	0.33
C11,C12,C13	120uF, 450V	5985-380-450V121	4.42
	(sub with 100uF or better, 25mm by 30mm max)		
C14	22uF, 450V	647-UVZ2W220MHD	0.87
R1,R2,R11,R12	475K, 1/4W	271-475K-RC	0.15
R3,R4,R5,R6,R13,R14	1K, 1/4W	271-1K-RC	0.15
R7,R8	100 ohm, 1/4W	271-100-RC	0.15
R9,R10	1.21K, 1/4W	271-1.21K-RC	0.15
R15,R16	100K, 1W	281-100K-RC	0.13
R17,R18	240 ohms, 2W	660-MOS2CT52R241J	0.14
R19	300K, 2W	282-300K-RC	0.19
R20	100, 3W	72-RWM410-100-5	0.70
R21	10K, 2W	282-10K-RC	0.19
R22,R23,R24,R25	20 ohm, 2W	594-5083NW20R00J	0.10
J2,J3,J5,J6,J7	Terminal Blocks 5.08MM 2P	571-2828372	0.66
J1,J4,J8,J9	Terminal Blocks 5.08MM 3P	571-2828373	0.88

NOTE: Have all connectors facing away from PCB (out), but make sure J8 faces away from C5 so that it doesn't block the wire holes.

L1	1H, 240mA choke	553-C24X	9.88
VR1	Alpha 100k Stereo Log Pot	313-2420F-100K	2.73
Qty 2	Dual binding post	565-6883	2.68
Qty 1	Neutrik Red RCA	568-NYS367-2	2.01
Qty 1	Neutrik White RCA	568-NYS367-9	2.01
Qty 1	Neutrik Stereo 1/4"	568-NYS234-3	0.75
Qty 1	ON/OFF Red Neon Switch	611-DA102J3RS215QF8	1.16
Qty 4	Rubber Feet	517-SJ-6125BK	0.22
Qty 9	PCB HEX .250X.375 ALUM	534-2209	0.40
Qty 5	Adhesive clips for routing	561-AWC00125	0.15
Qty 1	10.8X6.9X2.5" Chassis	546-1550JBK	29.72
Qty 4	Red Fast On 22-18 .187"	571-2-520182-2	0.22
Qty 1	Blue Fast On 16-14 .187"	571-33508162	0.24
Qty 1	Ring Terminal 16-14	571-34120	0.23
Qty 1	IEC Power In w/ Fuse	161-R3014-E	2.19

Edcor:		
Qty 2	Edcor GXSE5-8-5.5K (5.5K to 8ohm)	18.08
Qty 1	Edcor XPWR136-120 (500VCT with 6.3VCT, 2A)	32.46
	Europe: Edcor XPWR136-120/240	37.08

eBay:		
Qty 1	Volume Knob (search: 30x22 volume knob)	4.45
Qty 1	2' of stereo shielded wire or two CDROM cables	
Qty 1	4' 22AWG stranded wire (silicone or Teflon preferred)	
Qty 2	Sovtek EL84/ from Yen Audio on eBay	17.75
Qty 1	Electro Harmonix 12AX7 from Yen Audio on eBay	10.97
Qty 3	9-pin PCB socket - http://tinyurl.com/nwbwdbc (.750" "D" hole type)	6.99

Your local hardware store or Bolt Depot:		
Qty 17	#6-32 1/4" machine screw SS 18-8	0.85

	- PCB top and bottom	
	http://www.boltdepot.com/Product-Details.aspx?product=5316	
Qty 12	#6-32 5/16" machine screw SS 18-8	0.60
	- choke, two outputs and half the PT	
	http://www.boltdepot.com/Product-Details.aspx?product=9639	
Qty 2	#6-32 3/8" machine screw SS 18-8	0.10
	- GND and cable clamp at PT	
	http://www.boltdepot.com/Product-Details.aspx?product=1335	
Qty 13	#6-32 K-Lock nuts SS 18-8	1.17
	http://www.boltdepot.com/Product-Details.aspx?product=12019	
Qty 8	#6 x 1/2" sheet metal screw SS 18-8	0.40
	- Attaches top plate to chassis	
	http://www.boltdepot.com/Product-Details.aspx?product=2300	

Mouser PCB Parts BOM

625-UF4007-E3 2

667-ECQ-E1105KF 2

647-UVZ1E221MPD 2

505-FKP22200/100/5 2

598-715P10454LD3 2

647-UVZ1E471MPD 2

5985-380-450V121 3

647-UVZ2W220MHD 1

271-475K-RC 4

271-1K-RC 6

271-100-RC 2

271-1.21K-RC 2

281-100K-RC 2

660-MOS2CT52R241J 2

282-300K-RC 1

72-RWM410-100-5 1

282-10K-RC 1

594-5083NW20R00J 4

571-2828372 5

571-2828373 4

Mouser Hardware BOM

553-C24X 1

313-2420F-100K 1

565-6883 2

568-NYS367-2 1

568-NYS367-9 1

568-NYS234-3 1

611-DA102J3RS215QF8 1

517-SJ-6125BK 4

534-2209 9

561-AWC00125 5

546-1550JBK 1

571-2-520182-2 4

571-33508162 1

571-34120 1

161-R3014-E 1
