

EZ1290 Bill of Materials

Schematic part #	Supplier	Catalog #
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BA 283 AV

a) Pre Stage 1 (N-V)

R9	Mouser	271-120K-RC
R10	Mouser	271-68K-RC
R11	Mouser	271-33K-RC
R12	Mouser	271-47K-RC
R13	Mouser	271-5.1K-RC
R14	Mouser	271-470-RC
R15	Mouser	271-1.5K-RC
R16	Mouser	271-10K-RC
R17	Mouser	271-2.2K-RC
R18	Mouser	271-390-RC
R19	Mouser	271-1.8K-RC
R20	Mouser	271-51K-RC
C8	Mouser	80-T350E106K025AT
C9	Mouser	505-FKP3100/630/10
C10	Mouser	871-B32620A6152J
C11	Mouser	505-FKP2680/100/2.5
C12	Mouser	594-2222-138-36229
C13	Mouser	594-2222-138-34151
C14	Mouser	80-T350F226K016AT
C16	Mouser	594-222233860102
C15	Mouser	80-T350F226K016AT
C17	Mouser	594-2222-021-33471
TR4	ebay	or: Mouser 512-BC549CTA
TR5	ebay	or: Mouser 512-BC547CTA
TR6	ebay	or: Mouser 512-BC547CTA

b) Pre Stage 2 (N-V)

R9	Mouser	271-120K-RC
R10	Mouser	271-68K-RC
R11	Mouser	271-33K-RC

R12	Mouser	271-47K-RC
R13	Mouser	271-5.1K-RC
R14	Mouser	271-470-RC
R15	Mouser	271-1.5K-RC
R16	Mouser	271-10K-RC
R17	Mouser	271-2.2K-RC
R18	Mouser	271-390-RC
R19	Mouser	271-1.8K-RC
R20	Mouser	271-51K-RC
C8	Mouser	80-T350E106K025AT
C9	Mouser	505-FKP3100/630/10
C10	Mouser	871-B32620A6152J
C11	Mouser	505-FKP2680/100/2.5
C12	Mouser	594-2222-138-36229
C13	Mouser	594-2222-138-34151
C14	Mouser	80-T350F226K016AT
C16	Mouser	594-222233860102
C15	Mouser	80-T350F226K016AT
C17	Mouser	594-2222-021-33471
TR4	ebay	or: Mouser 512-BC549CTA
TR5	ebay	or: Mouser 512-BC547CTA
TR6	ebay	or: Mouser 512-BC547CTA

c) Driver Stage (A-M)

R1	Mouser	271-2.2K-RC
R2	Mouser	271-56K-RC
R3	Mouser	271-68K-RC
R4	Mouser	271-1.2K-RC
R5	Mouser	271-3.3K-RC
R6	Mouser	271-18K-RC
RV1	Mouser	652-3296Y-1-502LF
R7	Mouser	594-5073NW47R00J
R8	Mouser	271-33K-RC
C1	Mouser	80-T350E106K025AT
C2	Mouser	505-FKP3220/250/10
C3	Mouser	871-B32620A6472J
C5	Mouser	505-FKP3330/630/5

C4	Mouser	594-2222-138-36101
C6	Mouser	594-2222-138-36101
C7	Mouser	594-2222-138-36101
TR1	ebay	or: Mouser 512-BC549CTA
TR2	ebay	or: Mouser 512-BC547CTA
TR3	Mouser	863-2N3055G
TO3 Heatsink	Mouser	532-501503B00
EZ1290 PCB	see note:	EZ1290 PCB

EH10023-2

R8	Mouser	271-15K-RC
R10	Mouser	660-MF1/4DC91R0F
R38	Mouser	271-18K-RC
R44	Mouser	271-1.5K-RC
R51	Mouser	594-5073NW270R0J
R56	Mouser	594-5073NW12R00J
R64	Mouser	271-1.5K-RC
R96	Mouser	594-MRS25000C6811FRP
R97	Mouser	594-MRS25000C6811FRP
R98	Mouser	594-5073NW10R00J
R99	Mouser	271-10K-RC

C1	Mouser	594-2222-375-47181
C4	Mouser	647-UPW1V471MPD
C5	Mouser	647-UPW1E101MED
C7	Mouser	647-UPW1V222MHD6
C8	Mouser	647-UPW1V222MHD6
C9	Mouser	23PS310

T1	http://www.audiomaintenance.com/acatalog/Transformers_and_In	Carnhill vtb9045
T3	http://www.audiomaintenance.com/acatalog/Transformers_and_In	Carnhill vtb9049 or vtb1148

EK20032

R3	Mouser	271-2.2K-RC
R4	Mouser	271-3.3K-RC
R5	Mouser	271-3.9K-RC
R6	Mouser	660-MF1/4DCT52R4301F
R11	Mouser	271-2.7K-RC
R13	Mouser	271-18K-RC
R14	Mouser	271-12K-RC
R15	Mouser	271-3.9K-RC
R16	Mouser	271-1.8K-RC
R17	Mouser	271-1K-RC
R18	Mouser	271-510-RC
R20	Mouser	271-3.9K-RC
R21	Mouser	271-3.3K-RC
R22	Mouser	271-2.7K-RC
R29	Mouser	271-120-RC
R30	Mouser	271-330-RC

Grayhill Rotary Switch	http://www.audiomaintenance.com/acatalog/switches.html	71BDF30-03-1-AJN
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Misc

Phantom power switch	Mouser	108-0001-EVX
Phantom power LED	Mouser	607-5102H1-5V
Drop resistor for LED	Mouser	271-3.9K-RC
Standoffs EZ1290	Mouser	534-4806
4-40 screws/nuts	local hardware store	
XLR in Chassis	Markertek	NC3FD-L-1-B,
XLR out Chassis	Markertek	NC3MD-L-1-B
Shielded audio cable	Markertek	L-2B2AT
Cable Ties	Markertek	T18R-OW
Heat Shrink 1/4" (4ft)	Markertek	SHT14BK-4
Heat Shrink 1/8" (4ft)	Markertek	SHT18BK-4
(optional) Fixed Terminal Blocks 2P	Mouser	571-2828362
(optional) Fixed Terminal Blocks 3P	Mouser	571-2828363
2U Rack Mt Chassis (option 1)	Circuit Specialists	ET2/35B
2U Rack Mt Chassis (option 2)	http://www.par-metal.com/	10-19143x
(optional) External PSU Case	Mouser	546-1401A

(optional) Power Connectors 4 pin XLR Male Markertek
(optional) Power Connectors 4 pin XLR fema Markertek
Power Inlet w/5x20mm Fuseholder/Switch Mouser
PSU JLM AUDIO
Standoffs PSU Mouser
Fuses 5 X 20 mm Slo Blo Mouser

NC4MDL-1-B
NC4FX-B
562-761-18/003
Power Plant kit (2 x 12vac)
534-4802
576-0218.500HXP

Helpful hint: If an item is out of stock at Digikey, try searching for the 'Manufacturer Part Number' at Mouser (or vic

Note

Resistor 120K Ohm
Resistor 68K Ohm
Resistor 33K Ohm
Resistor 47K Ohm
Resistor 5.1K Ohm
Resistor 470 Ohm
Resistor 1.5K Ohm
Resistor 10K Ohm
Resistor 2.2K Ohm
Resistor 390 Ohm
Resistor 1.8K Ohm
Resistor 51K Ohm

Capacitor Tantalum 10uF 25V
Capacitor Polypropylene 100p
Capacitor Polypropylene 1500p
Capacitor Polypropylene 680p
Capacitor Electrolytic 22uF 25V
Capacitor Electrolytic 150uF 10V
Capacitor Tantalum 22uF 16V
Capacitor Polypropylene 1000p
Capacitor Tantalum 22uF 16V
Capacitor Electrolytic 470uF 6.3V

Transistor BC184C, or use BC550C or MPSA18	ebay
Transistor BC184C, or use BC550C or MPSA18	ebay
Transistor BC184C, or use BC550C or MPSA18	ebay

Resistor 120K Ohm
Resistor 68K Ohm
Resistor 33K Ohm

Resistor 47K Ohm
Resistor 5.1K Ohm
Resistor 470 Ohm
Resistor 1.5K Ohm
Resistor 10K Ohm
Resistor 2.2K Ohm
Resistor 390 Ohm
Resistor 1.8K Ohm
Resistor 51K Ohm

Capacitor Tantalum 10uF 25V
Capacitor Polypropylene 100p
Capacitor Polypropylene 1500p
Capacitor Polypropylene 680p
Capacitor Electrolytic 22uF 25V
Capacitor Electrolytic 150uF 10V
Capacitor Tantalum 22uF 16V
Capacitor Polypropylene 1000p
Capacitor Tantalum 22uF 16V
Capacitor Electrolytic 470uF 6.3V

Transistor BC184C, or use BC550C or MPSA18	ebay
Transistor BC184C, or use BC550C or MPSA18	ebay
Transistor BC184C, or use BC550C or MPSA18	ebay

Resistor 2.2K Ohm
Resistor 56K Ohm
Resistor 68K Ohm
Resistor 1.2K Ohm
Resistor 3.3K Ohm
Resistor 18K Ohm
Trimmer 5.0K Ohm
Resistor 47 Ohm 1W
Resistor 33K Ohm

Capacitor Tantalum 10uF 25V
Capacitor Polypropylene 220p
Capacitor Polypropylene 4700p
Capacitor Polypropylene 330p

Capacitor Electrolytic 100uF 25V
Capacitor Electrolytic 100uF 25V
Capacitor Electrolytic 100uF 25V **NOTE: located
between 33K and 1K2 resistors; has to be mounted
upright on lower hole so as not to interfere with**

Transistor BC184C, or use BC550C or MPSA18
Transistor BC184C, or use BC550C or MPSA18
Transistor 2N3055
2N3055 Heatsink

USA/International: <http://www.diyrecordingequipment.com/products/ez1290-preamp-pcb>
Australia: <http://www.echofix.com/products/diy-neve-1290-1073-circuit-board>

Resistor 15K Ohm
Resistor 91 Ohm
Resistor 18K Ohm
Resistor 1.5K Ohm
Resistor 270 Ohm 1W
Resistor 12 Ohm 1W
Resistor 1.5K Ohm
Resistor 6.81K Ohm 1W
Resistor 6.81K Ohm 1W
Resistor 10 Ohm 1W
Resistor 10K Ohm

Capacitor Polypropylene 180pF
Capacitor Electrolytic 470uF 35V
Capacitor Electrolytic 100uF 25V
Capacitor Electrolytic 2200uF 35V
Capacitor Electrolytic 2200uF 35V
Capacitor Polystyrene Film .01uF

Can also use Sowter 9145 or Ed Anderson EA-10468 <http://www.sowter.c> http://www.hairballaudio.com/shop/product_info.php?cPath=24&products_id=

Can also use Sowter 8751 or 9160 or Ed Anderson EA-11 <http://www.sowter.c> http://www.hairballaudio.com/shop/product_info.php?cPath=24&products_id=

Resistor 2.2K Ohm
Resistor 3.3K Ohm
Resistor 3.9K Ohm
Resistor 4.3K Ohm
Resistor 2.7K Ohm
Resistor 18K Ohm
Resistor 12K Ohm
Resistor 3.9K Ohm
Resistor 1.8K Ohm
Resistor 1.0K Ohm
Resistor 510 Ohm
Resistor 3.9K Ohm
Resistor 3.3K Ohm
Resistor 2.7K Ohm
Resistor 120 Ohm
Resistor 330 Ohm

(Part Code: GR-03-001) Mouser part # 706-71BDF30-03PAJN

Toggle Switches SPST OFF-ON
LED Panel Mount Indicators RED
Resistor 3.9Kohm
QTY 4

<http://www.markertek.com/Product.asp?baseItem=NC3FDL&cat=CABLESCONN&subcat=ACONNECT&prodClass=XLRCON&mfg=Neutrik+USA&search=0>

Canare L-2B2AT Install Cable

QTY 2 (optional: best to solder wires directly)
(optional: best to solder wires directly)

<http://www.circuitspecialists.com/et235b.html>

<http://www.markertek.com/SearchProduct.asp?item=NC4FDL%2D1%2DB&off=2&sort=prod>
<http://www.markertek.com/SearchProduct.asp?item=NC4FX&off=0&sort=prod>

http://www.jlmaudio.com/shop/index.php?_a=viewProd&productId=145
QTY 4

500mA for 115V, 250mA for 230V

e versa). If that doesn't yield results, try Newark, Allied, google, etc.!

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&off

