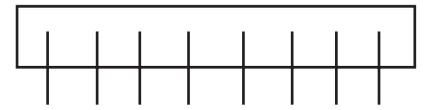
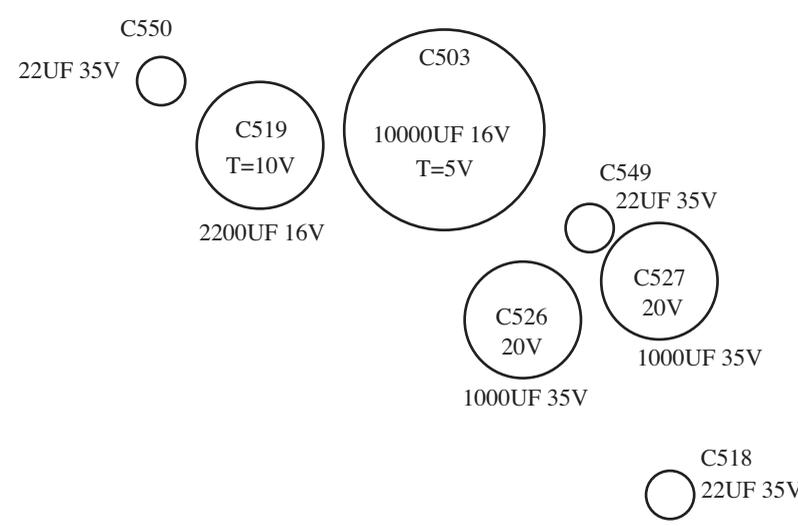
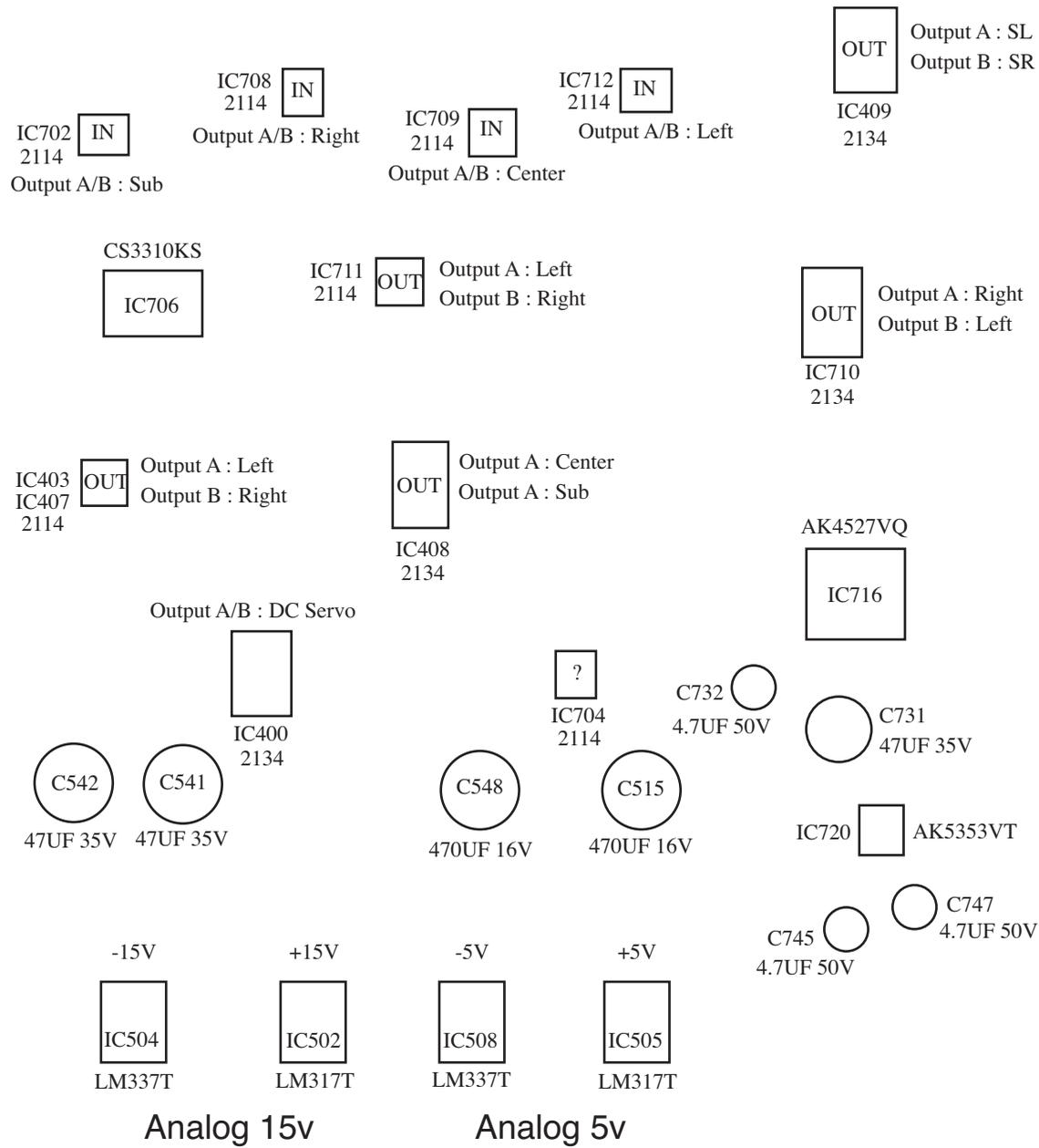


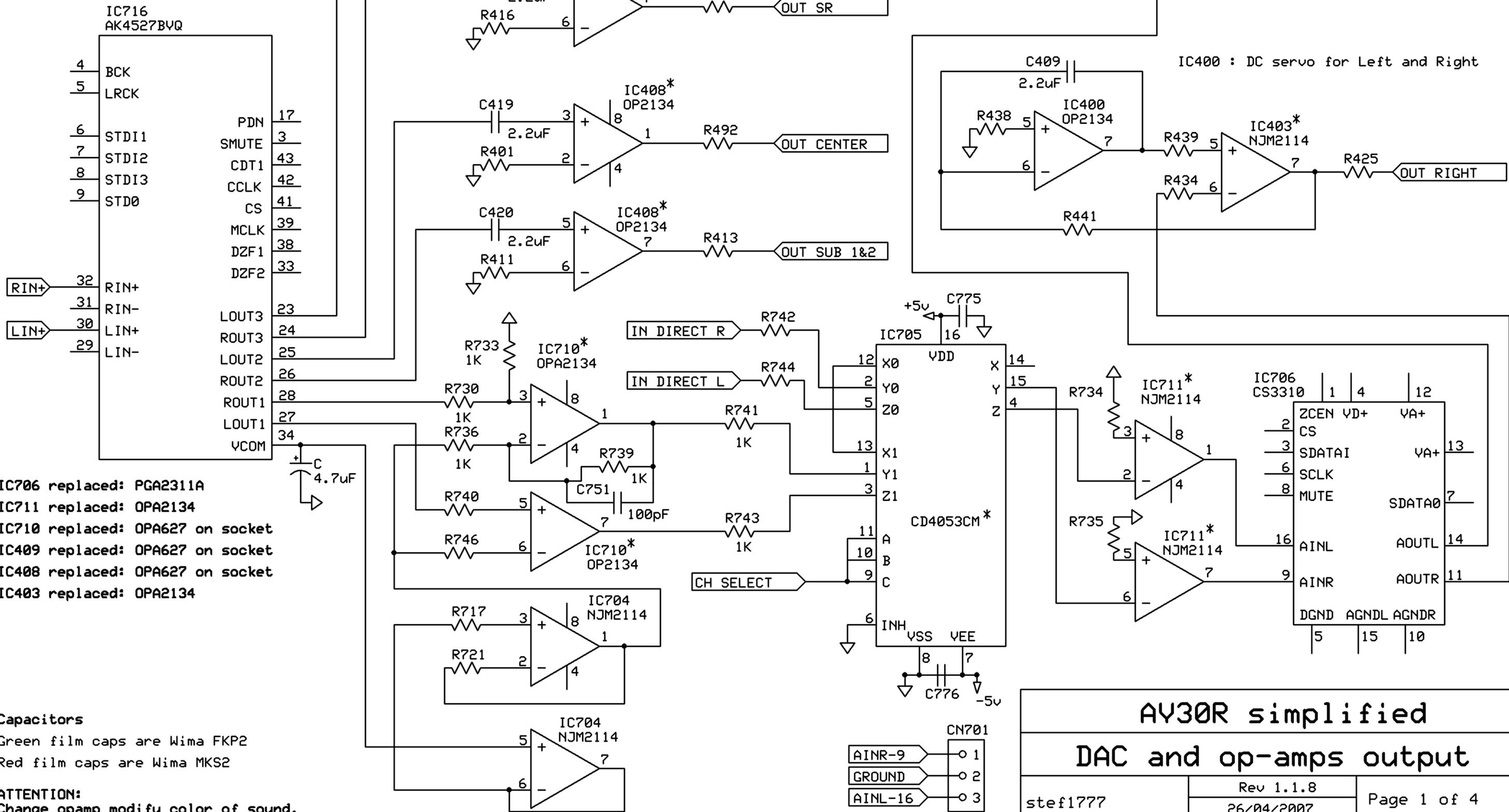
AV30R component side



PSU

This diagram result from observation. Double check before using it.
 Many components are missing.

LOUT3 = SL
 ROUT3 = SR
 LOUT2 = CENTER
 ROUT3 = SUB
 ROUT1 = RIGHT
 LOUT1 = LEFT

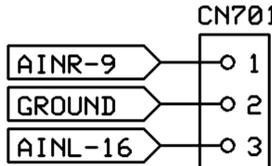


IC706 replaced: PGA2311A
 IC711 replaced: OPA2134
 IC710 replaced: OPA627 on socket
 IC409 replaced: OPA627 on socket
 IC408 replaced: OPA627 on socket
 IC403 replaced: OPA2134

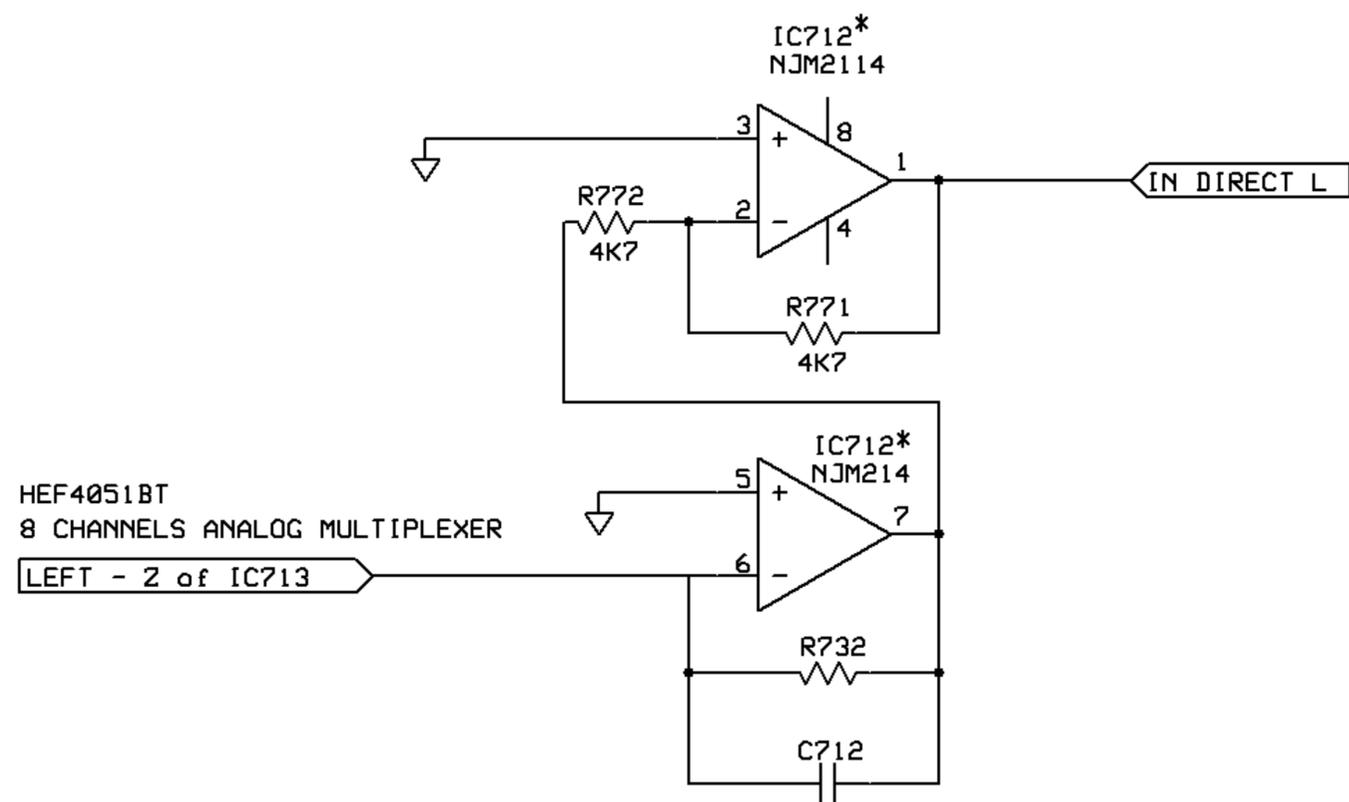
Capacitors
 Green film caps are Wima FKP2
 Red film caps are Wima MKS2

ATTENTION:
 Change opamp modify color of sound.

AY30R simplified		
DAC and op-amps output		
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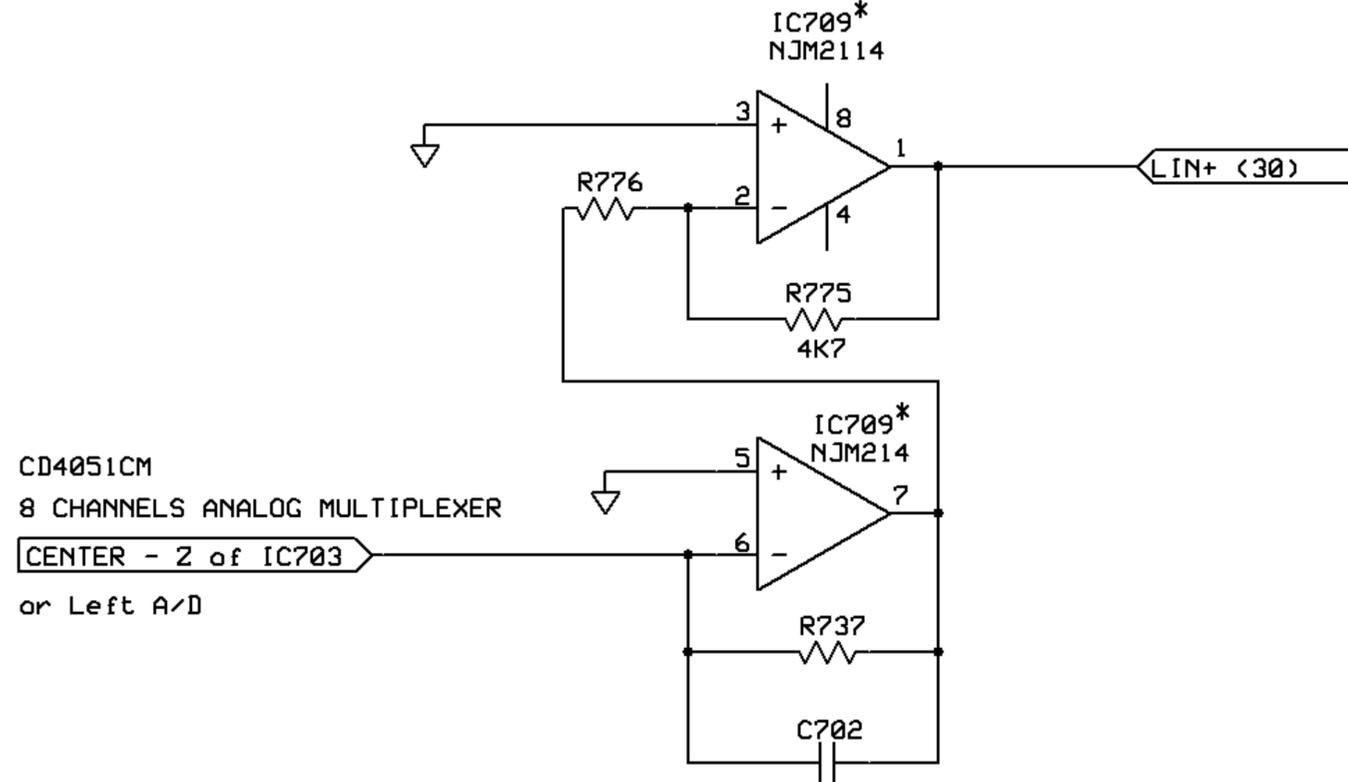


This diagram result from observation. Double check before using it.
 Many components are missing.



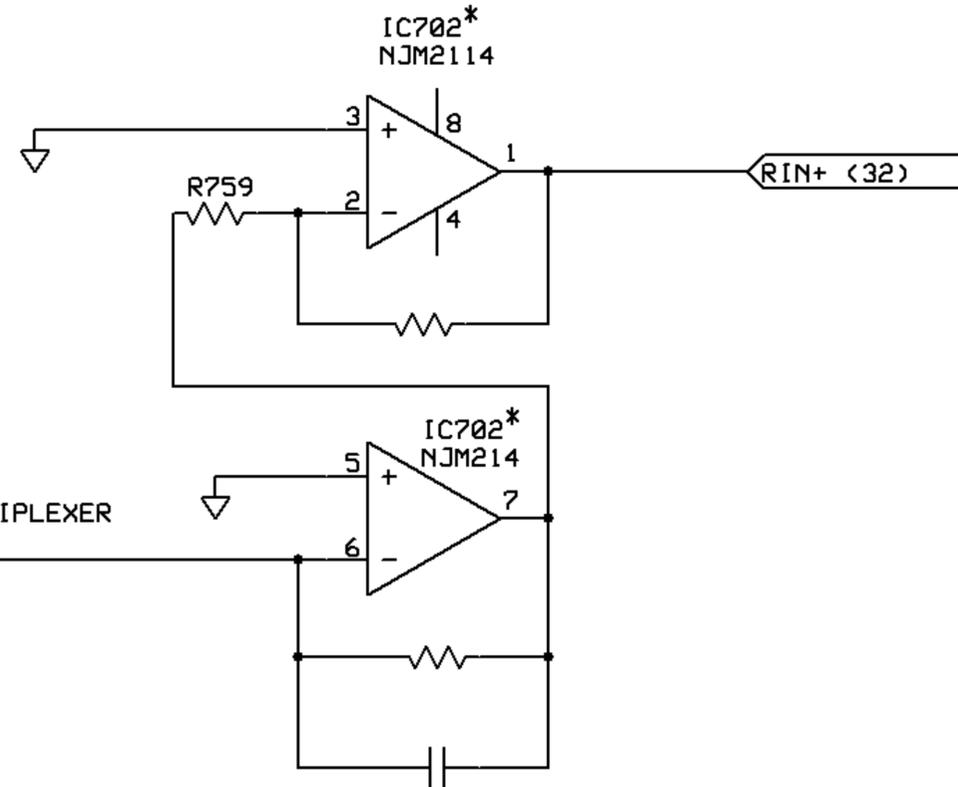
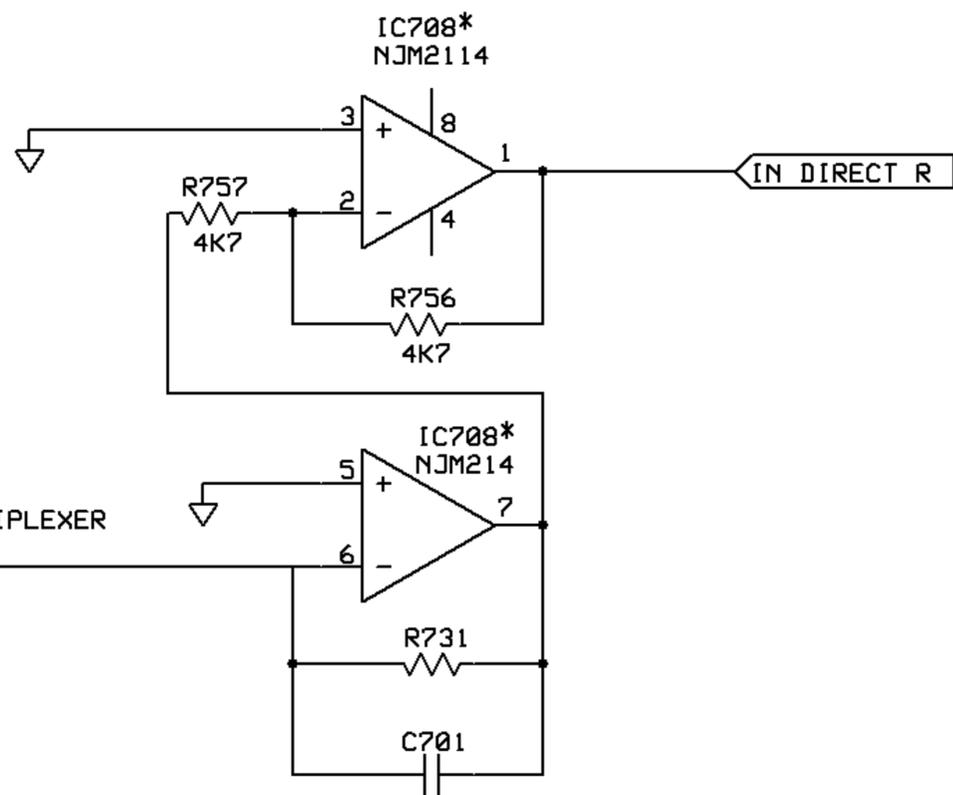
HEF4051BT
 8 CHANNELS ANALOG MULTIPLEXER
 LEFT - 2 of IC713

HEF4051BT
 8 CHANNELS ANALOG MULTIPLEXER
 RIGHT - 2 of IC714



CD4051CM
 8 CHANNELS ANALOG MULTIPLEXER
 CENTER - 2 of IC703
 or Left A/D

HEF4051BT
 8 CHANNELS ANALOG MULTIPLEXER
 SUB - 2 of IC701
 or Right A/D



IC702 replaced: OPA2134
 IC708 replaced: OPA2134
 IC709 replaced: OPA2134
 IC712 replaced: OPA2134

Capacitors
 Green film caps are Wima FKP2
 Red film caps are Wima MKS2

AV30R simplified		
Inputs and op-amps		
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Passive components

C515 and C541 replaced: Elna Silmic II 470uF/16v

C526 and C527 replaced: Rubycon ZL 1500uF/35v

C503 replaced: Panasonic FC 10000uF/10v

C512 replaced: Rubycon ZL 2200uF/25v

C542, C548 and C731 replaced: Elna Silmic II 47uF/63v

C510, C549 and C550 replaced: Panasonic FC 22uF/63v

C732, C745 and C747 replaced: Elna Silmic II 4.7uF/50v

R512 and R530 replaced: Vishay TS63Y 500 Ohms SMD trimmer

R509 and R5329 replaced: Vishay TS63Y 500 Ohms SMD trimmer

Active components

IC706 replaced: PGA2311A

Strategy concerning replacement of op-amps:

If you want to stay with same sound but with more quality: replace all NJM2114 with OPA2134 (or OPA2132).

If you want another kind of sound with more details use the op-amps list given here.

Minimum mod:

IC710 replaced: OPA627 on socket

IC409 replaced: OPA627 on socket

IC408 replaced: OPA627 on socket

Extented mod:

IC403 replaced: OPA2134

IC702 replaced: OPA2134

IC708 replaced: OPA2134

IC709 replaced: OPA2134

IC711 replaced: OPA2134

IC712 replaced: OPA2134

AY30R simplified

Moded parts

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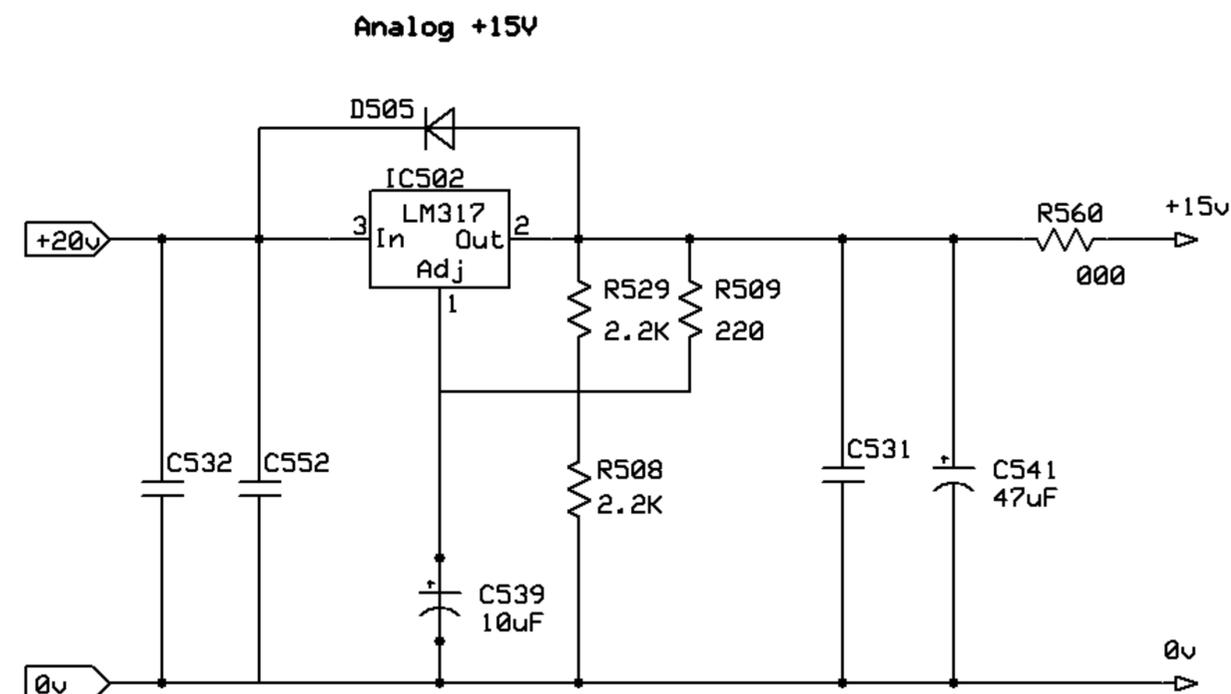
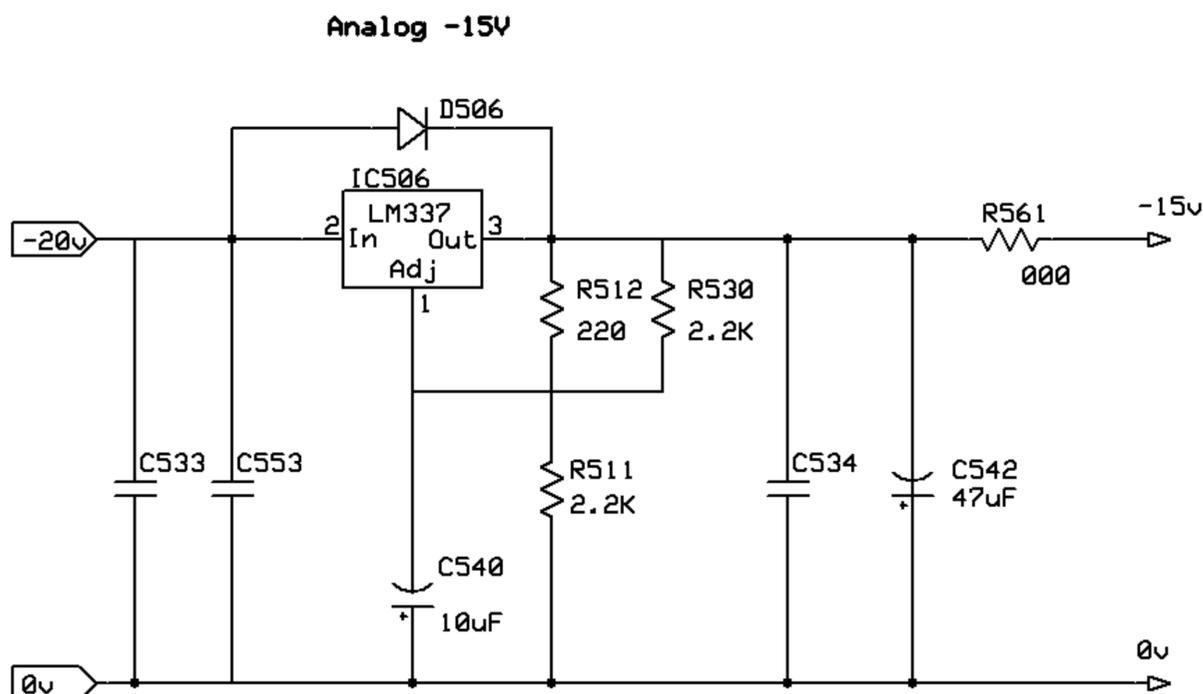
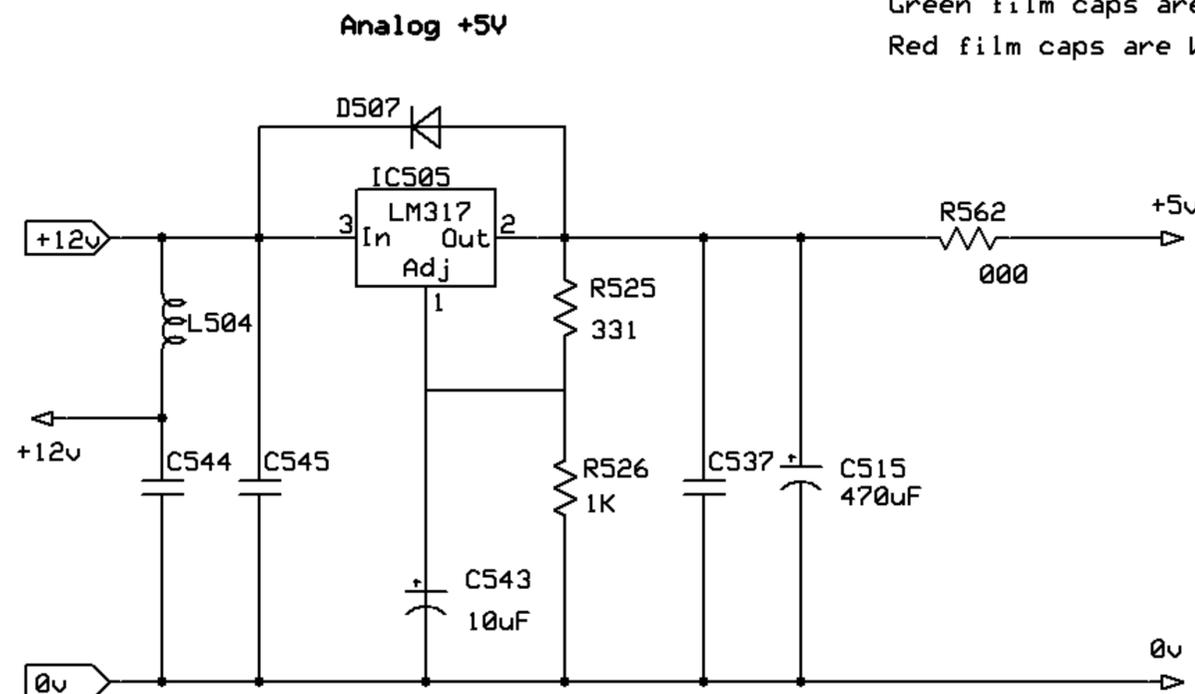
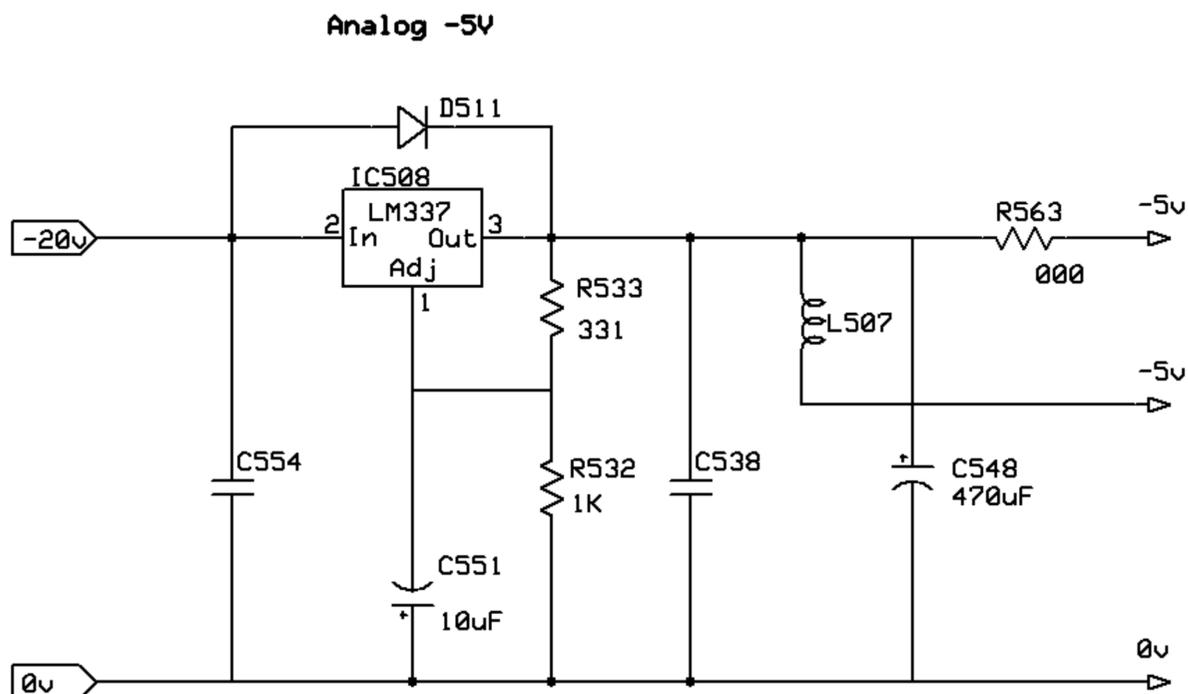
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This diagram result from observation. Double check before using it.
 Many components are missing.

Capacitors
 Green film caps are Wima FKP2
 Red film caps are Wima MKS2



C515 and C541 replaced: Elna Silmic II 470uF/16v
 C526 and C527 replaced: Rubycon ZL 1500uF/35v
 C503 replaced: Panasonic FC 10000uF/10v
 C512 replaced: Rubycon ZL 2200uF/25v

C542, C548 and C731 replaced: Elna Silmic II 47uF/63v
 C510, C549 and C550 replaced: Panasonic FC 22uF/63v
 C732, C745 and C747 replaced: Elna Silmic II 4.7uF/50v
 R512 and R530 replaced: Vishay TS63Y 500 Ohms SMD trimmer
 R509 and R5329 replaced: Vishay TS63Y 500 Ohms SMD trimmer

AVR30R STANDBY : 5v and 15v are ON. Op-amps and CODEC are still powered.
 To isolate PSU from circuits, remove R560, R561, R562 and R563 (000 Ohms resistor).

AV30R simplified		
Power supply units		
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