SPKR
LINEOUT+HDPH1
.0kΩ
.0kΩ
.0kΩ
33Ω
33Ω
.7kΩ
.7kΩ
1kΩ
1kΩ
AMP
MODULE
HDPH
POPULATE
NITTE

R SPKR
M'BOARD
SPKR IN
SJ1-3515N
SPWR/GND
CARD IN
1kΩ
C4 100u

R SPKR
1kΩ
C1
C3
C2
400

AI HDPH1
OUT
VOLUME
3515N
10kΩ

AUDIO HELPER
REMOTE VOLUME
HEADPHONE
JACK
R15
L7
SJ1-351
10kΩ

Circuit to mount in Apple 2 case beneath keyboard, exposing headph. jack & volume knob.
Routes sound card and motherboard audio sources. Power from int. game port connector.
Outputs to line-out jack & headphone jack 2 (rear of case), jack 1 (front), stock speaker.
Optionally supports second internal speaker for stereo.

Northwest Retroventures

Sheet:
File: A2 audio helper.kicad_pcb

Title: Apple 2 Audio Helper

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