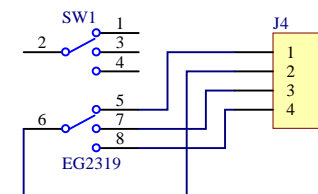
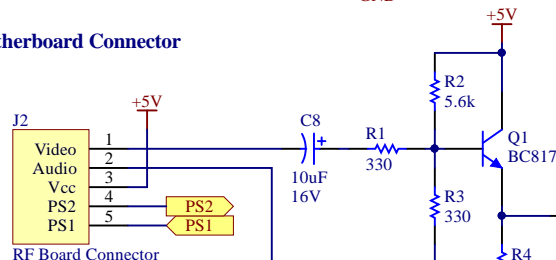


Switch Breakout



▲ Use this switch as the palette select for NES with RGB mod.

Motherboard Connector



WARNING

THERE IS NO GROUND ON THE MOTHERBOARD CONNECTOR.

YOU MUST INSTALL A WIRE FROM ONE OF THE GROUNDS ON THIS BOARD TO THE GROUND PLANE ON THE MOTHERBOARD.

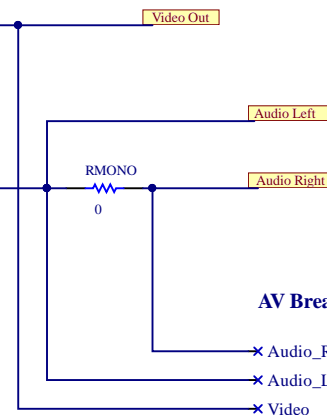
The original RF board used the metal box as a ground.

▲ Resistor jumpers RJV and RJA allow you to use either the composite video and audio from the NES motherboard, or from an external source.

▲ Some people like to perform "stereo" mods to their NES.

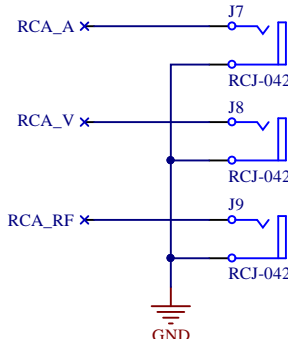
If you wish to do so, leave RJA_INT and RJA_EXT unpopulated. Remove RMONO, and supply your own stereo audio wires into the breakout area below.

AV Breakout



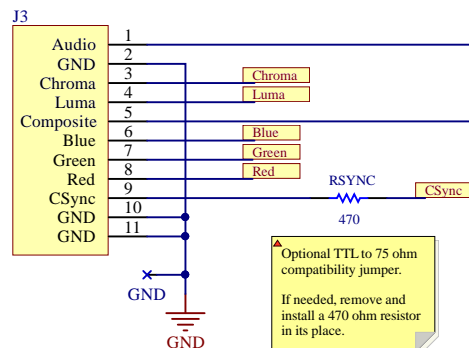
▲ Unless you are using RCA jacks, don't worry about this section.

RCA Jack Breakout



▲ Install jumpers between the AV breakout section and the RCA jack breakout section to use the RCA jacks. This will let you route audio or video anywhere you want.

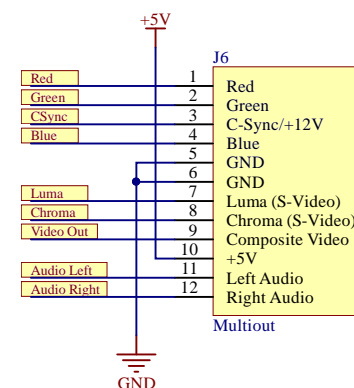
External Inputs



▲ Optional TTL to 75 ohm compatibility jumper.

If needed, remove and install a 470 ohm resistor in its place.

RetroFixes Multiout Connector



Title **NES Power Entry Module (Version B)**

Size: Letter

Drawn By: M. Spinks

Revision: 2-0-0

Date: 9/4/2018

Time: 4:00:00 PM

Sheet 1 of 1

File: Power Board Schematic Ver B.SchDoc



Spinks NES PEM (Ver.B)
rev 2-0-0
9/4/2018

9VAC

D1

J1

SW1

J9

C1

GND

GND
GND
CSync
Red
Green
Blue
Comp
Luma
Chroma
GND
Audio

J3

RSYNC

J4

J6

1

RCA_U

RCA_A

C6

C7

C3

RCA_A ● ● Audio_R
RCA_U ● ● Audio_L
RCA_RF ● ● Video

RMONO

RJU-EXT RJA-EXT
RJU-INT RJA-INT

R5

R4

Q1

R2

R1

R3

PS1

PS2

VCC

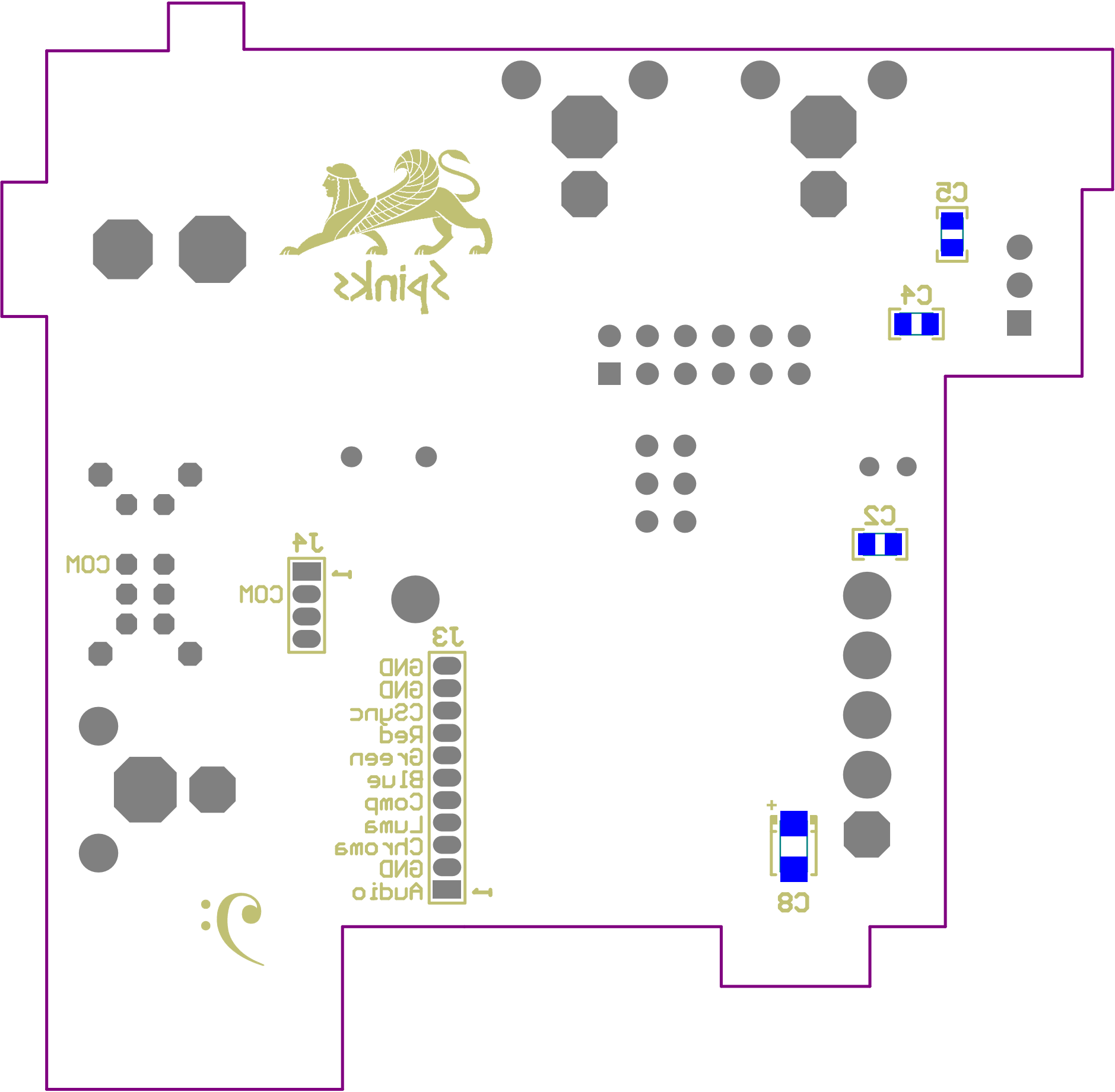
PA

PV

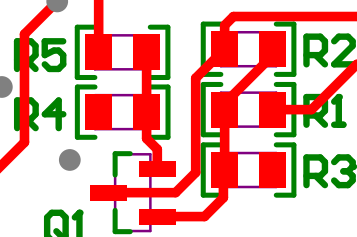
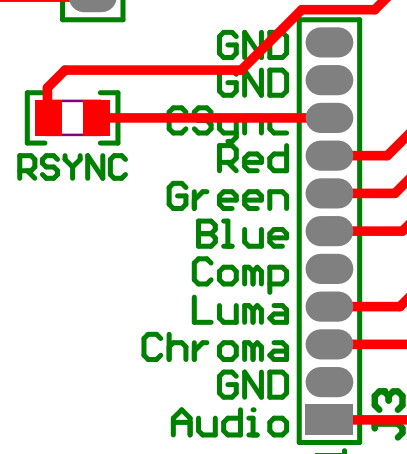
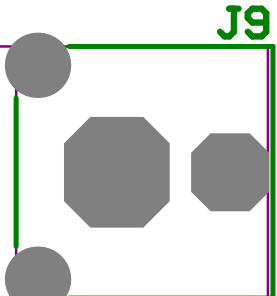
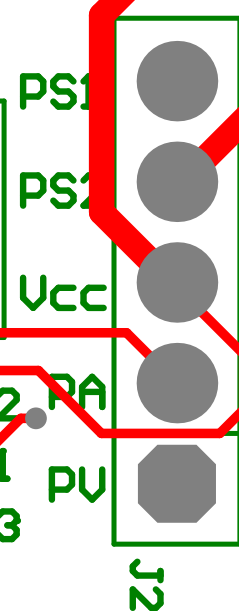
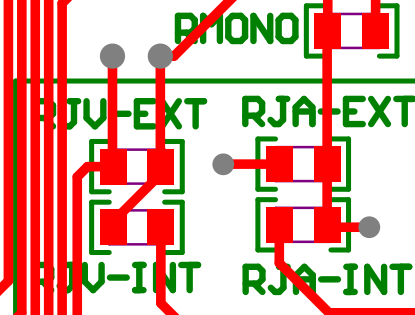
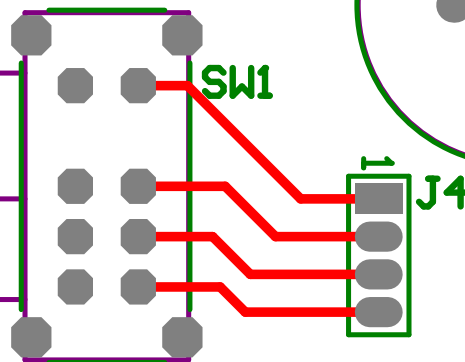
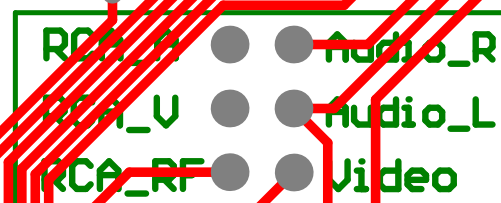
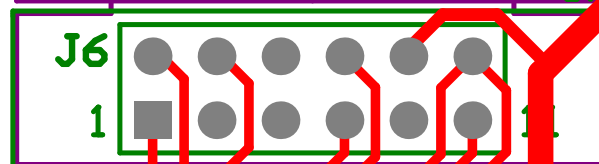
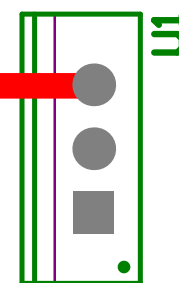
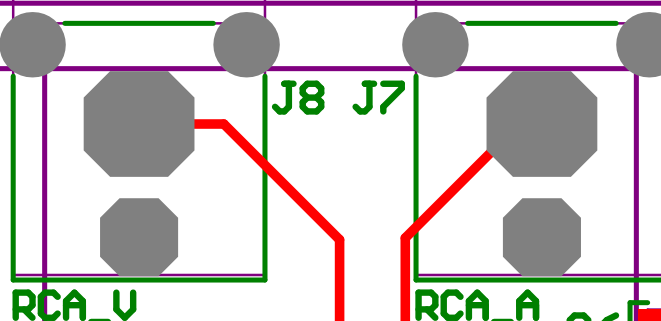
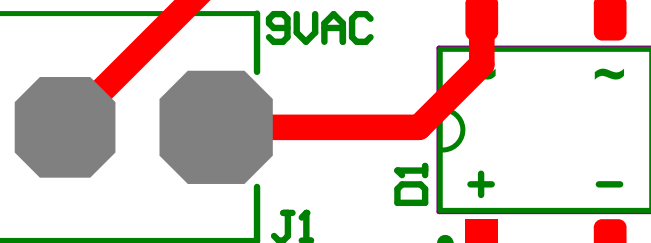
J2

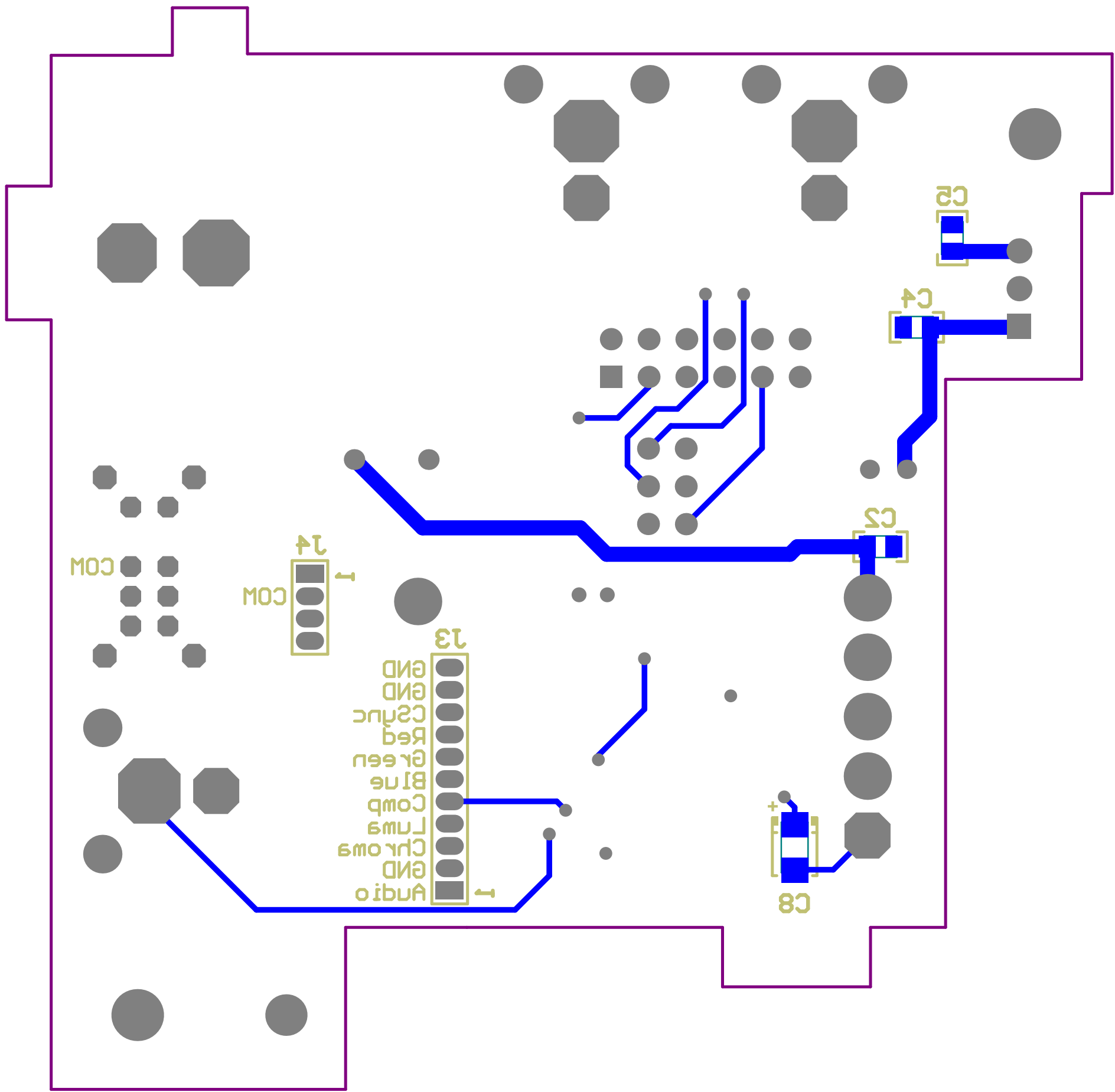
J8 J7

J5

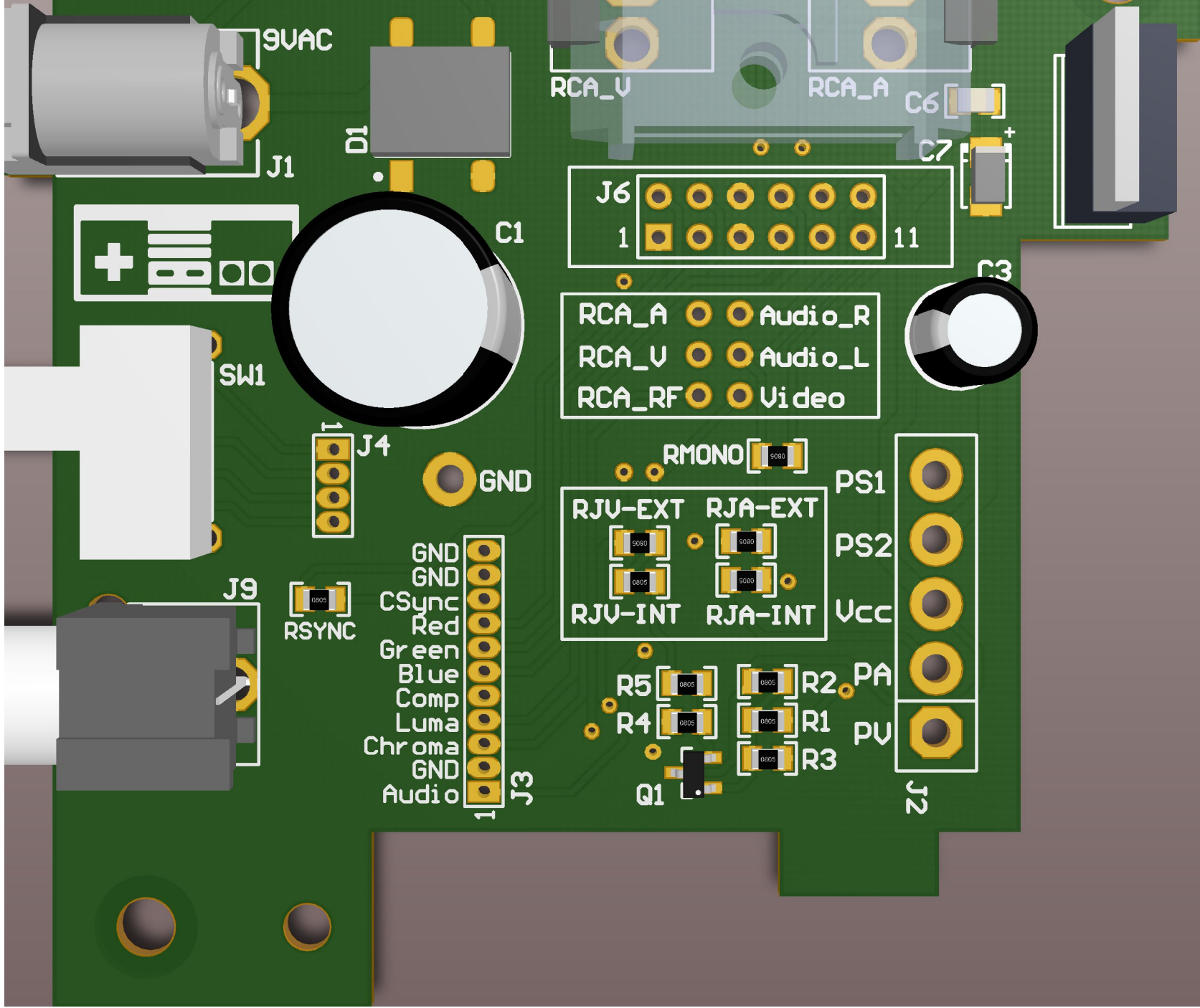


Spinks NES PEM (Ver.B)
rev 2-0-0
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rev 2-0-0
9/4/2018





C5

C4

C2

C8

J4

COM

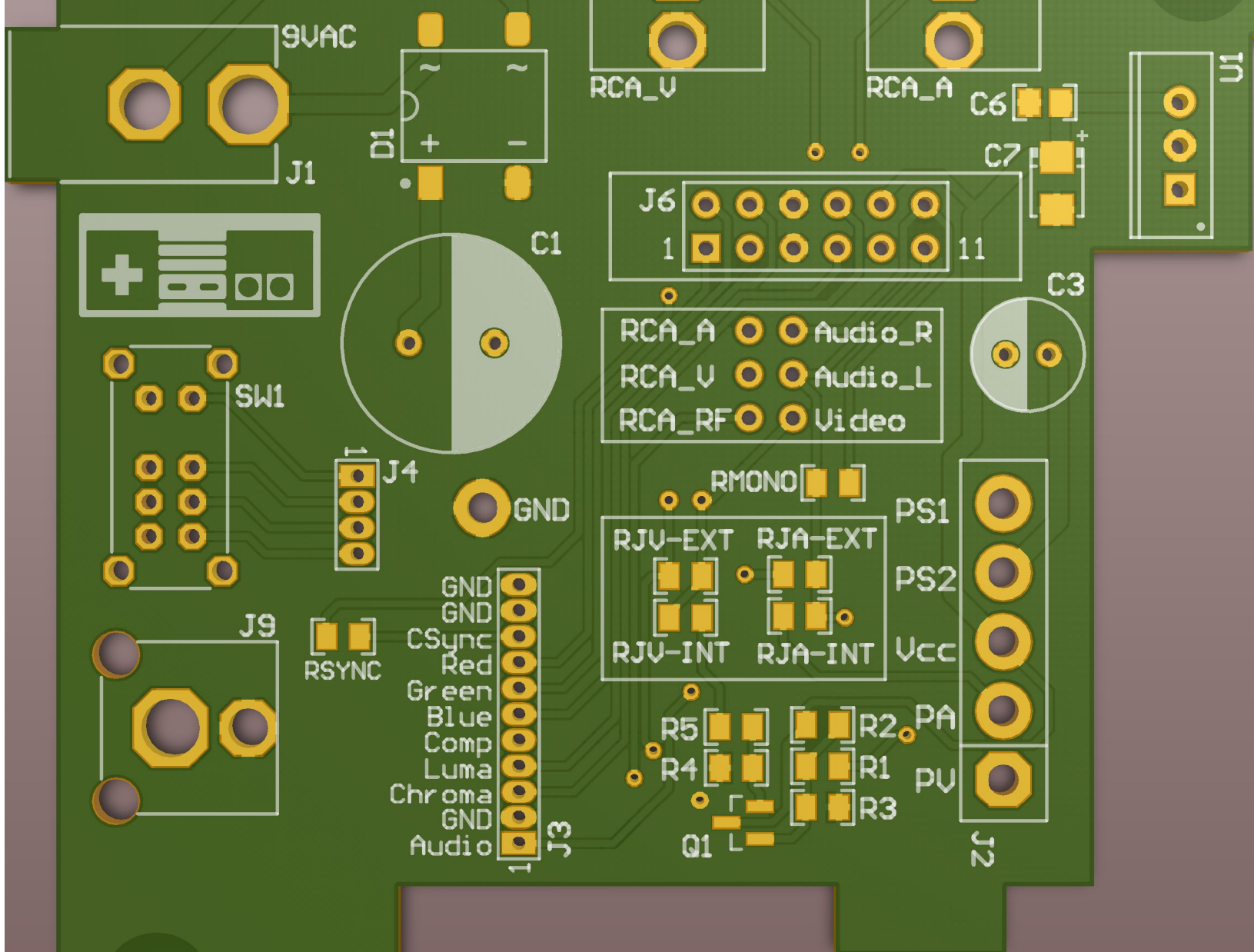
COM

J3

GND
GND
CSync
Red
Green
Blue
Comp
Luma
Chroma
GND
Audio



Spinks NES PEM (Ver.B)
rev 2-0-0
9/4/2018





C5

C4

C2

C8

J4

COM

COM

J3

GND
GND
CSync
Red
Green
Blue
Comp
Luma
Chroma
GND
Audio

