

2000-AUDIO1-0.10

FINISHED

PCB NOTE:
All nets that start with KS are "Keep Short" nets. They are grouped at the top of the netlist.
PCB5

PCB NOTE:
All connector silkscreen RefDes must be 3mm high on both sides of the board where possible.
PCB6

Custom attributes:
fill in different build attributes

FID1
Fiducial,40mil,Top/Bot side

FID2
Fiducial,40mil,Top/Bot side

FID3
Fiducial,40mil,Top/Bot side

MH1
none

MH2
none

MH3
none

Assembly Step 1
Top side SMT assembly

Assembly Step 2
Snap insertion

Assembly Step 3
Through hole soldering

Assembly Step 4
&AssemblyStep4

Assembly Step 5
&AssemblyStep5

Last Used Devices:
C11
D2
FID3
J7
MH3
PCB7
R14
U2
VR1

Unused Units:
D1 MMBD7000LT3G pic

Top Side Documentation

Silkscreen: Top

Printed Circuit Board: 1700-AUDIO1-0.10
In Copper:
Printed circuit board, FR4, 0.0625 thick, 2 Layer

Bottom Side Documentation

PCB7 Silkscreen: Bottom

Silkscreen: Made in U.S.A.

Silkscreen: Copyright © 2024 by Robert S. Rau

PCB Layout Notes:
1) Comment fields in the netlist for connectors should be put on the silkscreen.
2) Component and solder side must have a ≥0.030" trace around the perimeter connected to GndIsolated (Mounting Holes). This trace must NOT be covered with solder mask or silkscreen.

PCB Fabrication Notes:
1) Each board in the panel must have a unique number, in copper, to track which part of the panel each board came from.
2) The solder mask must be green.
3) Solder side silkscreen must be yellow.
4) Component side silkscreen must be white.

Designer: Robert Rau
Parts Cost: &CostTotal
At a quantity of: 1000
Cost of Assembly: &CostTotalAsy
Operating temperature range: -40° C to 85°C &NoteTempWavr
Net List File Name: Audio1.txt with errors
Package count component side: 0
Package count solder side: 0
Error Count: 4
Warning Count: 8

Component Hole Count: 4
SMT pad Count: 3
Board width: &DimWidthmm mm
Board length: &DimLengthmm mm

Component side area used is &AreaCompUsedmm2 mm^2, or &AreaCompUsedPct% of &AreaCompmm2 mm^2
Solder side area used is &AreaSoldUsedmm2 mm^2, or &AreaSoldUsedPct% of &AreaSoldmm2 mm^2

File: Audio1.cct
Created: 3/30/2024 12:19 PM
Printed: 4/11/2024 8:45 PM

Design Revision: 0.10Drawing Revision: A

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TITLE: Fill in DrawingTitle

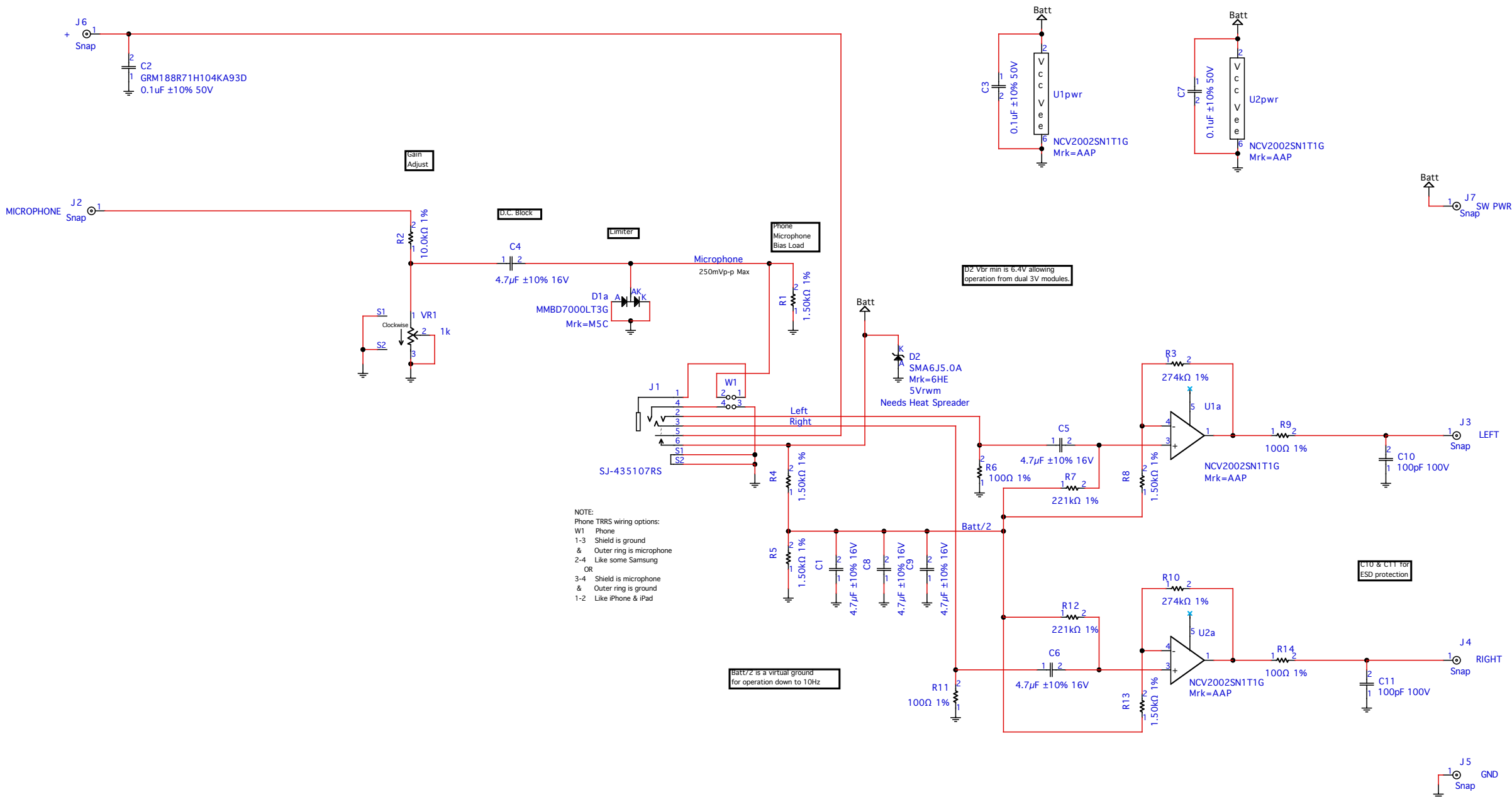
Document Number: 2000-AUDIO1-0.10Rev: 0.10

Date: Modified: 3/30/2024 12:19 PMSheet: 1 of 3

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|------------------|---|---|---|---|----------|---|---|---|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 2000-AUDIO1-0.10 | | | | | FINISHED | | | | | | | | |
| A | | | | | | | | | | | | | A |
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| B | | | | | | | | | | | | | B |
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| C | | | | | | | | | | | | | C |
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| D | | | | | | | | | | | | | D |
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| E | | | | | | | | | | | | | E |
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| F | | | | | | | | | | | | | F |
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| G | | | | | | | | | | | | | G |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

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NOTE:
Best signal generator applications:
iPhone: Signal Gen
MacOS:
Andriod:
Windows:

NOTE:
Use this adapter for iPhones with Lightning connector:
<https://saramonicusa.com/sr-c2002-apple-lightning-connector-to-female-3-5mm-trrs-audio-jack-adapter-cable-3-7-6cm/>

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