Note:
CH1_B = Channel 1 Buffered
CH9_A_B = Channel 9 Audio Buffered
AVCC = 9.3V Analog VCC
AGND = Analog Ground

CYCFI

TITLE: Mixer Module

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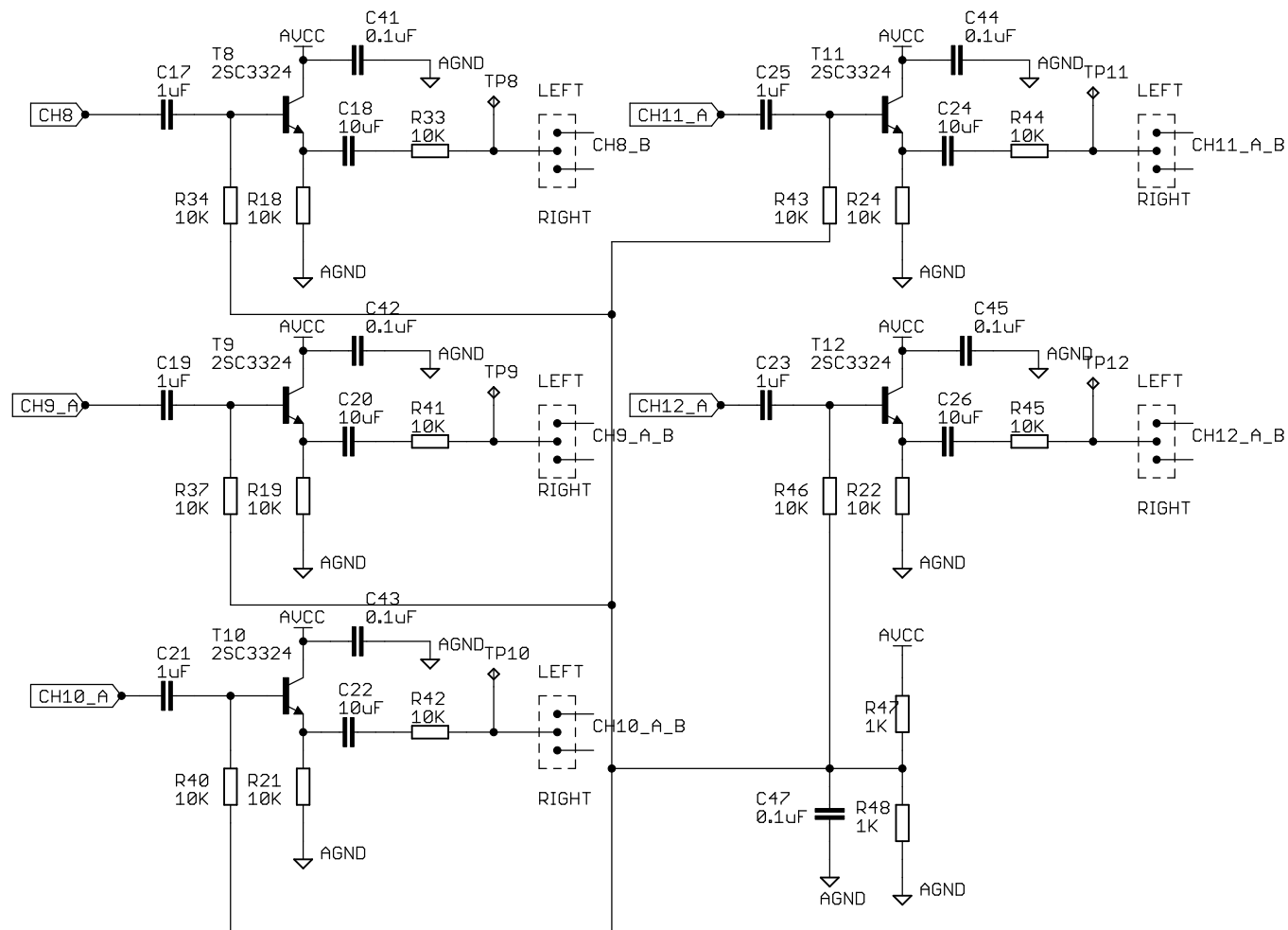
CYCFI

TITLE: CH3-CH7 Buffer

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TITLE: CH8-CH12_A Buffer

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+12V_REG

U2
MCP10804-T

IN OUT
GND

C53
10uF

C52
2.2uF

R49
1K

T13
2N4401

C51
10uF

C48
1nf

C49
1uf

C33
100uF
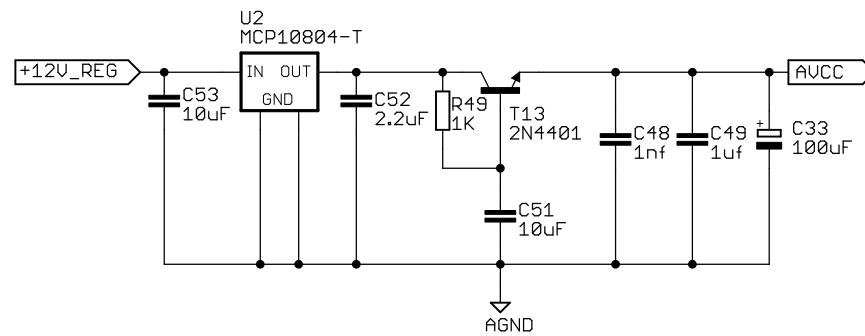
AVCC

AGND

NOTES:
+12V_REG = 12V Regulated Supply
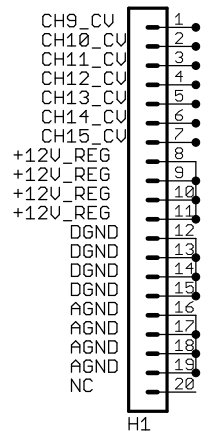AVCC = 9.3V Analog Power Source for Mixer Module
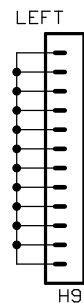AGND = Analog Ground
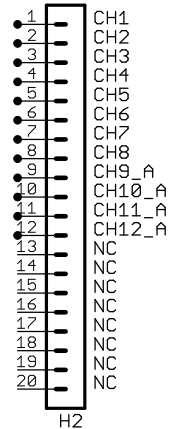
CYCFI

TITLE: Analog Power Source

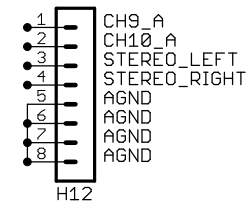Document Number: 2016050

REV:
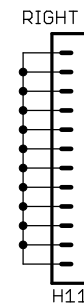v0.92

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Expansion Headers
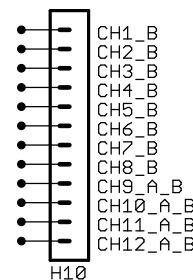
H1 (20-pin):
Pin	Signal
1	CH9_CV
2	CH10_CV
3	CH11_CV
4	CH12_CV
5	CH13_CV
6	CH14_CV
7	CH15_CV
8	+12V_REG
9	+12V_REG
10	+12V_REG
11	+12V_REG
12	DGND
13	DGND
14	DGND
15	DGND
16	AGND
17	AGND
18	AGND
19	AGND
20	NC

H2 (20-pin):
Pin	Signal
1	CH1
2	CH2
3	CH3
4	CH4
5	CH5
6	CH6
7	CH7
8	CH8
9	CH9_A
10	CH10_A
11	CH11_A
12	CH12_A
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	NC
20	NC

Stereo Selector

H9 — LEFT

H10:
Signal
CH1_B
CH2_B
CH3_B
CH4_B
CH5_B
CH6_B
CH7_B
CH8_B
CH9_A_B
CH10_A_B
CH11_A_B
CH12_A_B

H11 — RIGHT

Mixer Module Output

H12 (8-pin):
Pin	Signal
1	CH9_A
2	CH10_A
3	STEREO_LEFT
4	STEREO_RIGHT
5	AGND
6	AGND
7	AGND
8	AGND

CYCFI

TITLE: Mixer Module Headers

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