SND in

R28/16/46
100K

U9
U6 TL082
U23

6
7
5
−
+

U7 CD4053
U16
U31

4 X/Y

X 5

Y 3

S

9

Q

direct

filter

Noise

U8 CD4053
U15
U30

12 X

13 Y

X/Y 14

S

11

Q

R25/32/55
100K

A

15 X/Y

U8 CD4053
U15
U30

X 2 N/C

Y 1

S

10

OUT2

R24/33/56
1K

C16/13/32
.01uF

R29/31/54
100K

4 X/Y

U8 CD4053
U15
U30

X 5 N/C

Y 3

S

9

OUT2

R23/30/53
1K

C17/9/25
.01uF

B

OUT2
SB0: U41p17
SB1: U42p17
SB2: U43p17

S=0 selects X, S=1 selects Y

S=0 resistance from point A to B is 200K, S=1 resAB is 1.9K

Q
control»flipflop
SB0: U10p9»U38p9
SB1: U11p9»U2p9
SB2: U11p7»U2p5

R8/9/10
100K

to
U1

Noise

15 X/Y

U7 CD4053
U16
U31

X 2 N/C

Y 1

S

10

Q

R34/18/48
100K

R36/15/45
100K

U17
U5 TL082
U22

6
7
5
−
+

15 Vref

U24 DAC7524
U14
U29

R27/22/52
10K

R26/17/47
5.6K

U9
U6 TL082
U23

2
1
3
−
+

14 X/Y

U7 CD4053
U16
U31

X 12

Y 13

S

11

Q

R35/19/49
100K

Noise/Filter network
SEGA XY Universal Sound Board 11/29/2016 gauck.com