



STEP SOUND LFO:  
U2 4049UB is used in original design.  
4049UB or 4069UB, use either one.

JUMP SOUND LFO:  
4049UB or 4069UB, use either one.

In original: 2 x 7466A's 24bit LFSR output is 8-divided by 74661 counter.  
Noise signal amplitude depends on TL output voltage(V<sub>OH</sub>).  
PIC's digital out's voltage is higher than TL's.  
To voltage matching, added one more diode.

ENVELOPE (RELEASE) GENERATOR  
discharging capacitor by resistor pot.  
to DAC's V<sub>ref</sub> voltage control.

Internal OPA2 used as voltage follower  
connected to DAC10UT.

LOW PASS FILTER  
f<sub>c</sub> = 1591.549430919[Hz]

MUTE\_STEP/JUMP  
NOTE CONTROL about STEP SOUND and JUMP SOUND.  
to mute because there are some small sound during standby.

Respect for all great videogames.

Arranged by @Bonezine

Sheet: /  
File: Donkey.sch

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