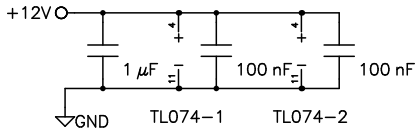
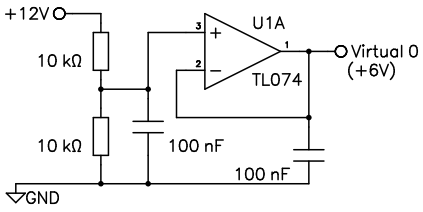
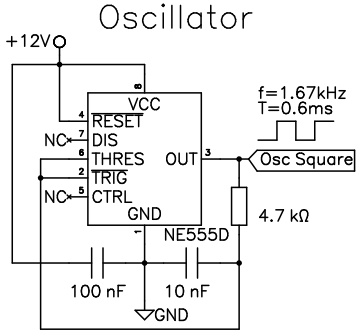
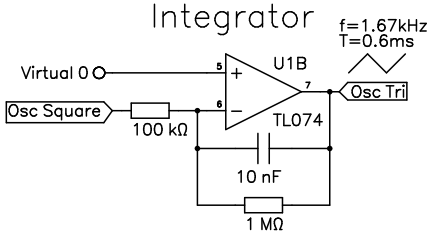
Voltage Supply



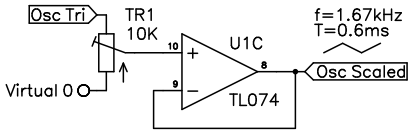
Virtual Ground




Oscillator
+12V
8
VCC
4
RESET
NC
7
DIS
6
THRES
OUT
3
2
TRIG
NC
5
CTRL
GND
1
NE555D
f=1.67kHz
T=0.6ms
Osc Square
4.7 kΩ
100 nF
10 nF
GND

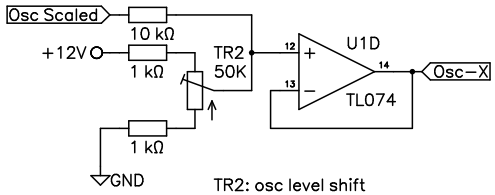

Integrator
f=1.67kHz
T=0.6ms
Virtual 0
U1B
Osc Square
100 kΩ
Osc Tri
TL074
10 nF
1 MΩ

Osc Amplitude Ctrl



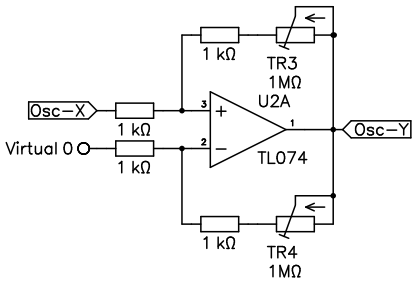
TR1: osc amplitude

Osc Level Shift Ctrl

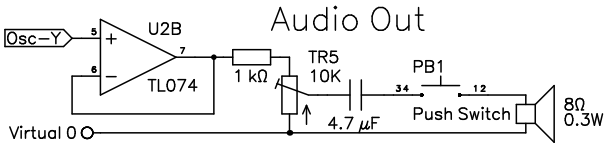


TR2: osc level shift

Adjustable Schmitt Trigger



TR3: positive feedback
TR4: negative feedback



PB1: audio on / off
TR5: audio output volume