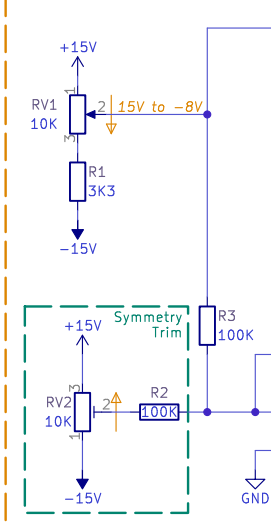
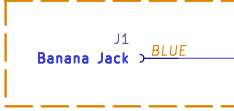


Triangle/Square Oscillator

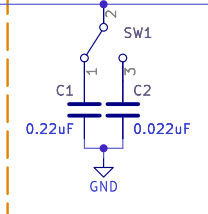
Frequency Adjust



Gate Input



Range

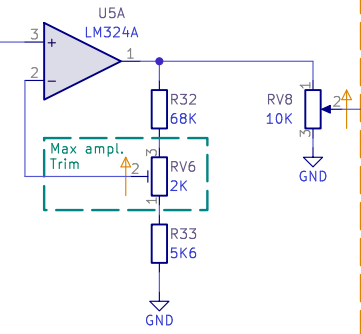


TRIANGLE_OUT
2Vpk-pk

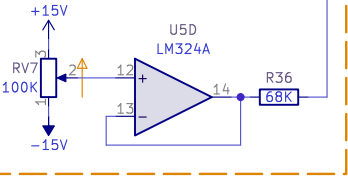
SQUARE_OUT
2Vpk-pk

Primary Output Driver

Amplitude Adjust



Offset Adjust



Waveform Select

Sinewave Converter

TRIANGLE_IN
2Vpk-pk

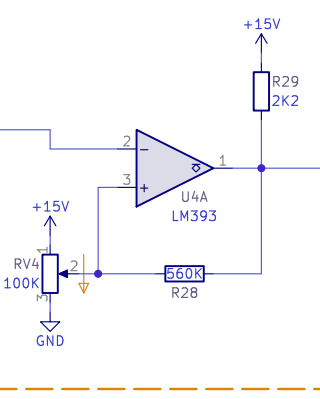
SINE_OUT
2Vpk-pk

Pulse Generator

TRIANGLE_IN
2Vpk-pk

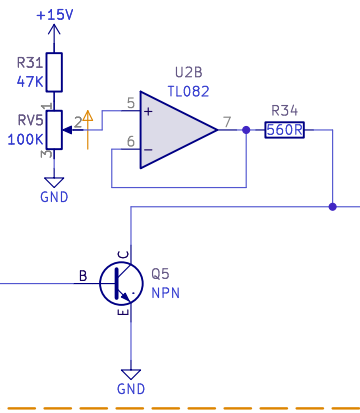
PULSE_OUT
0V to 15V

Pulse Width Adjust



Pulse Output Driver

Amplitude Adjust

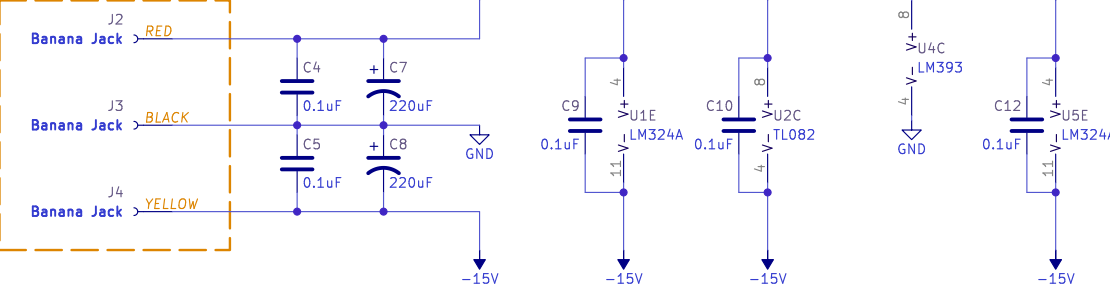


PULSE_IN
0V to 15V

PULSE_OUT

Power Input & IC Power

Power Input



Output

Waveform Select

J5 RED Banana Jack

J6 BLACK Banana Jack

ALL RESISTORS 1/4 WATT UNLESS OTHERWISE NOTED
ALL BJTS 2N4401/2N4403 UNLESS OTHERWISE NOTED
ALL DIODES 1N4148 UNLESS OTHERWISE NOTED
Drawn by: Mark Vaughn
ZAM Industries, LLC

Sheet: /
File: Lab06.kicad_sch

Title: Basic Analog Function Generator

Size: A2 Date: 2024-03-07

Rev: 4

KiCad E.D.A. kicad 7.0.5

Id: 1/1