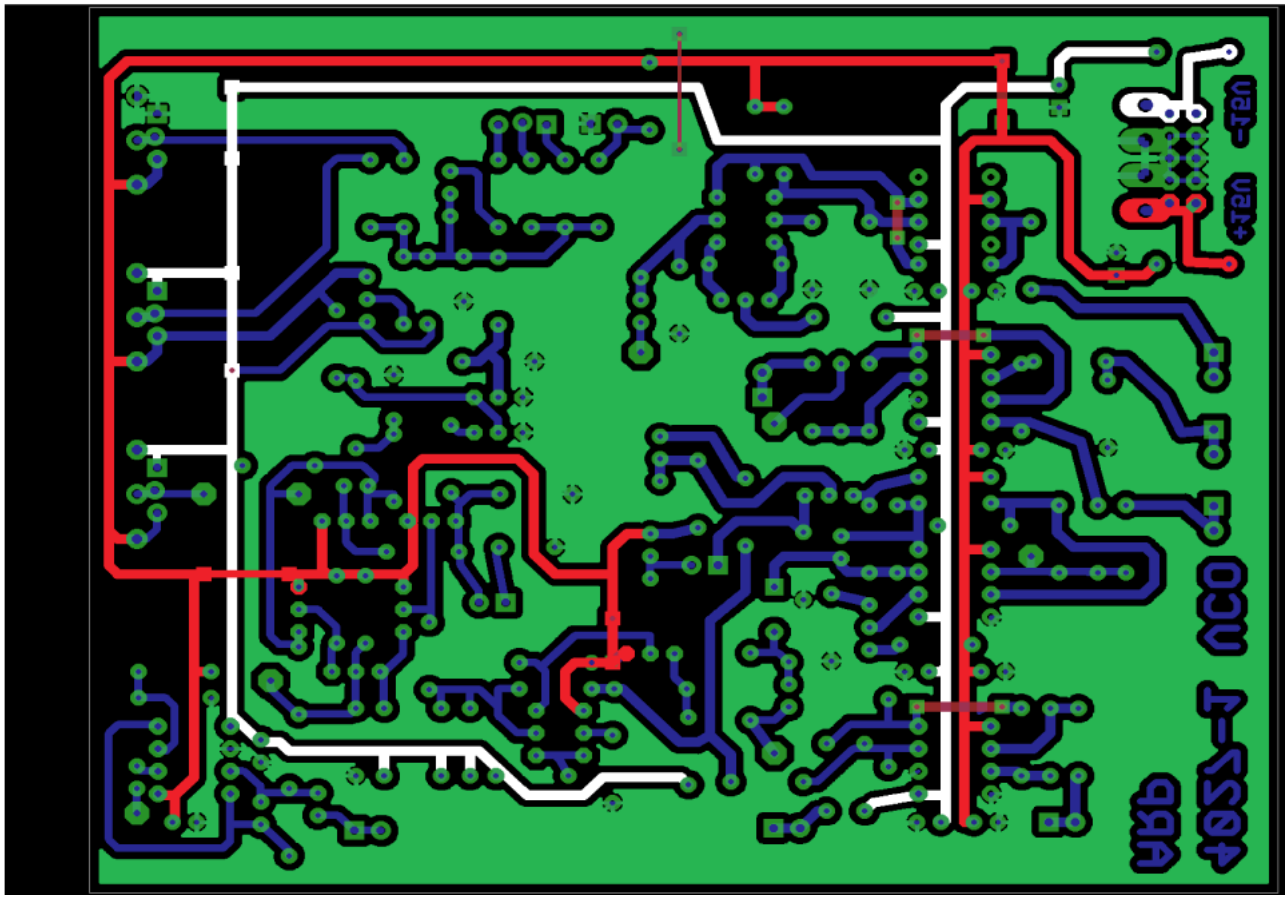
Configuration and Testing

Power Rails Diagram

- Red Trace indicates +15V Rail
- White Trace indicates -15V Rail
- Green shows the Signal GND Pour
- Use this diagram to test each power rail for shorts and opens before applying power



Test and Configuration Diagram

- Label Diagram for Inputs,Outputs, Trim / Control Pot's and Test Points(TP)

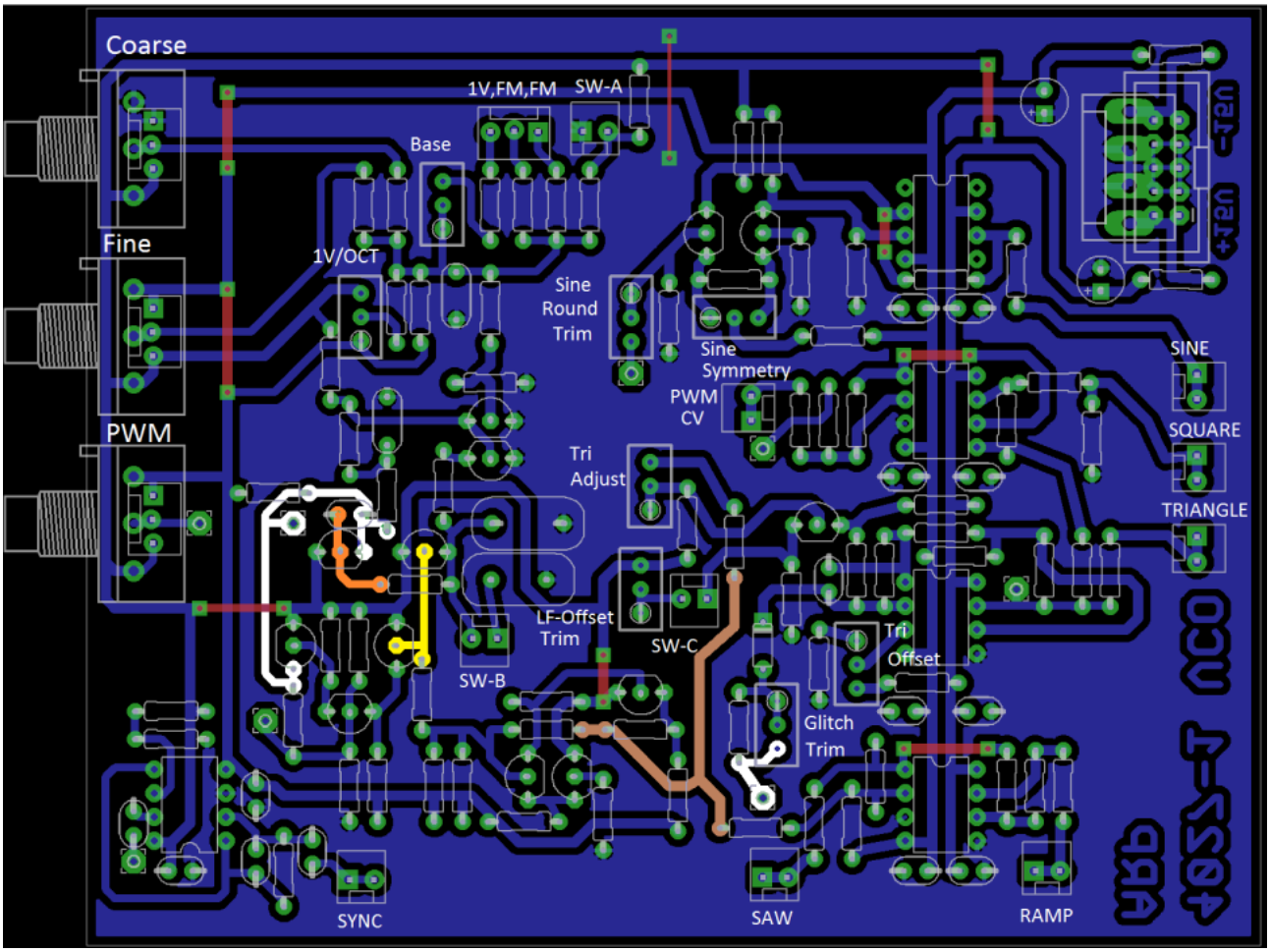
- Coloured Tracers indicate VCO Core Test Points (TP). When building its recommended to concentrate on the VCO Core before messing with the wave shaping circuity. Use the diagrams below to test functionality.

- Orange Trace = TP: 1

- Yellow Trace = TP: 2

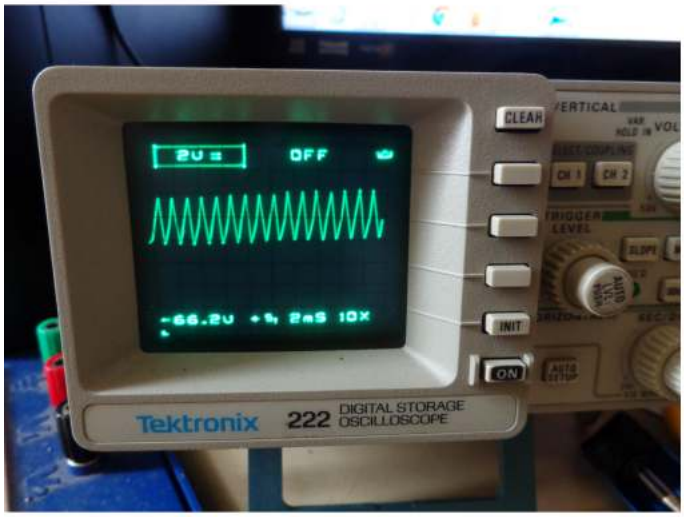
- White Trace = TP: 3

- Brown Trace = TP: 4

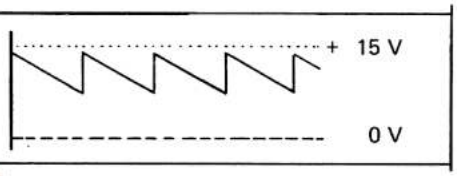


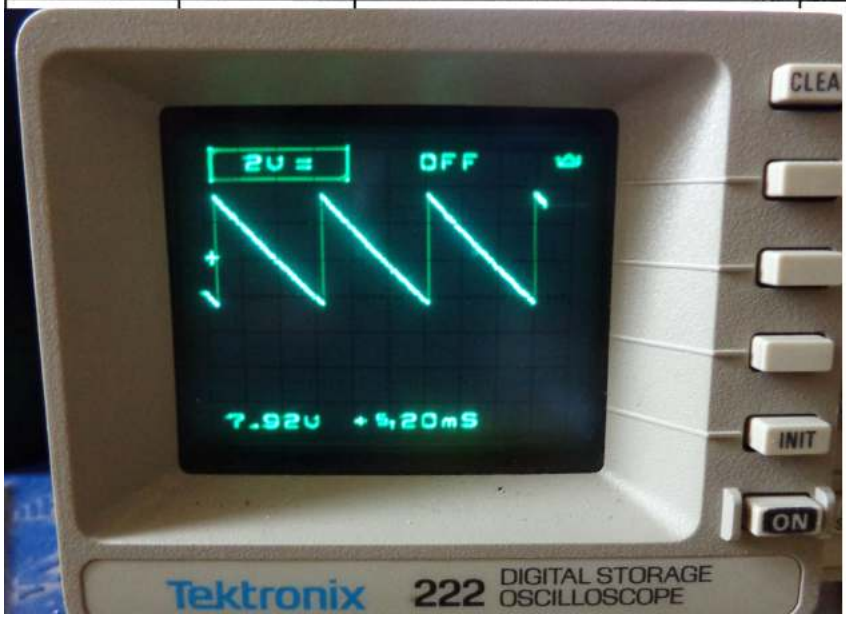
Test Point 1

TEST POINT	FUNCTION	SET UP	SPECIFICATION
TP-1	SAWTOOTH (VCO 1 & 2)	1. Initial frequency sliders midposition. 2. All other sliders down.	

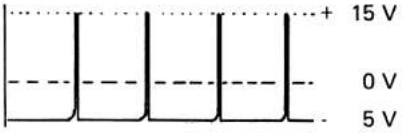


Test Point 2

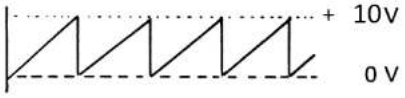
TP-2	SAWTOOTH (VCO 1 & 2)	1. Initial frequency sliders midposition. 2. All other sliders down.	

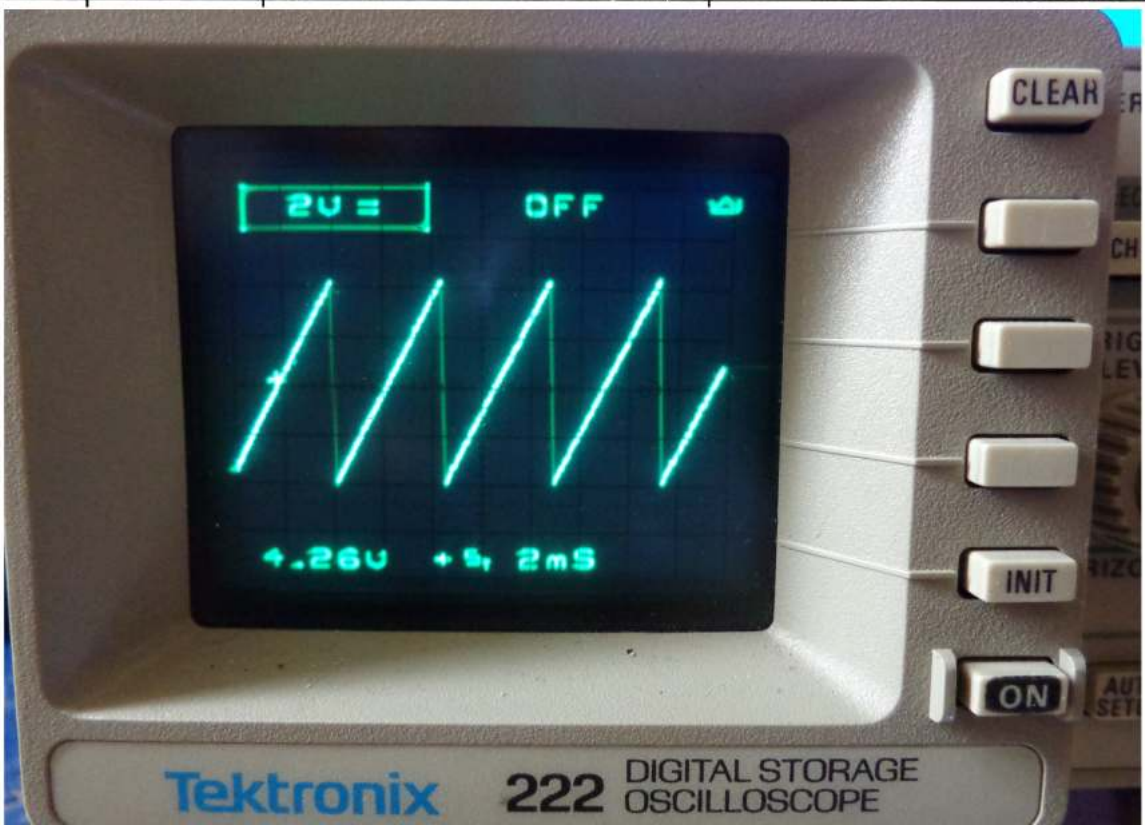


Test Point 3

TP-3	RESET PULSE (VCO 1 & 2)	1. Initial frequency sliders midposition.	

Test Point 4

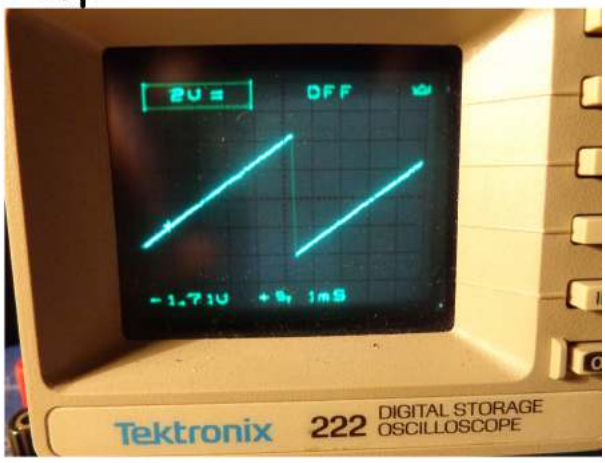
TP- 4	SAWTOOTH OUTPUT (VCO 1 & 2)	1. Initial frequency sliders midposition. 2. All other sliders down.	



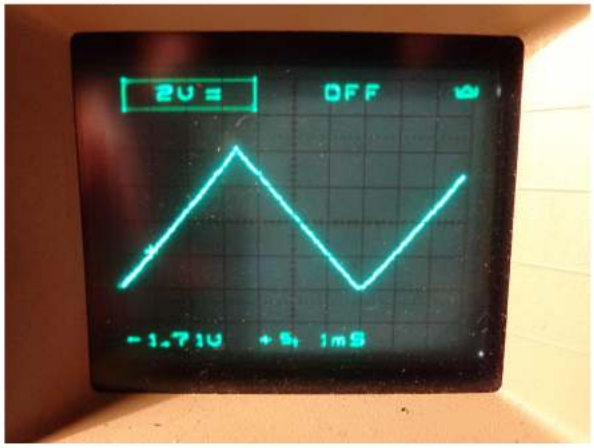
Waveform Output

Saw

Ramp



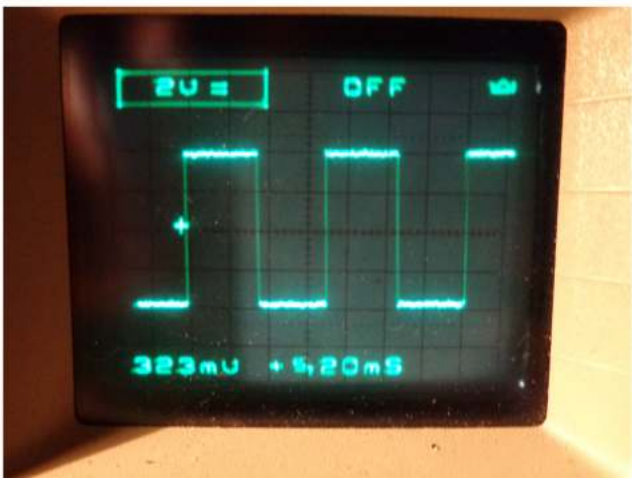
Triangle



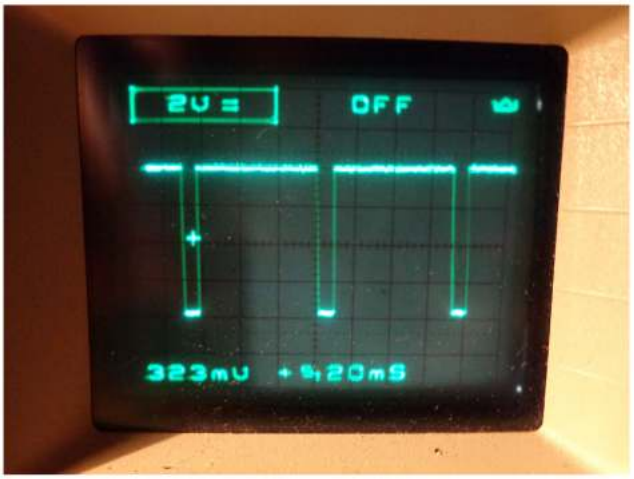
Triangle-Glitch

Glitch-Trimmed

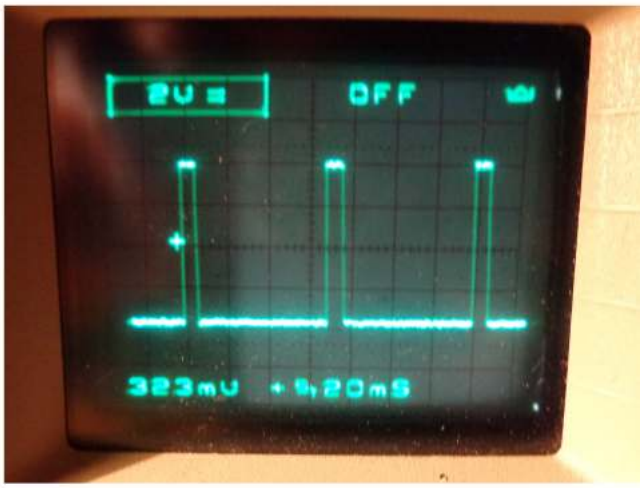
Square



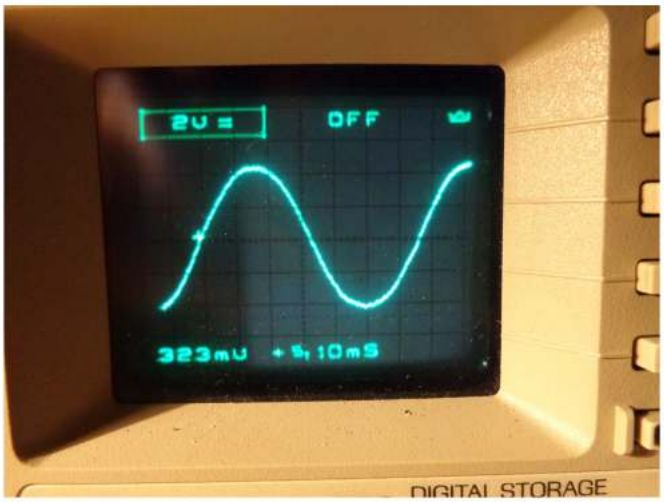
PWM-100%

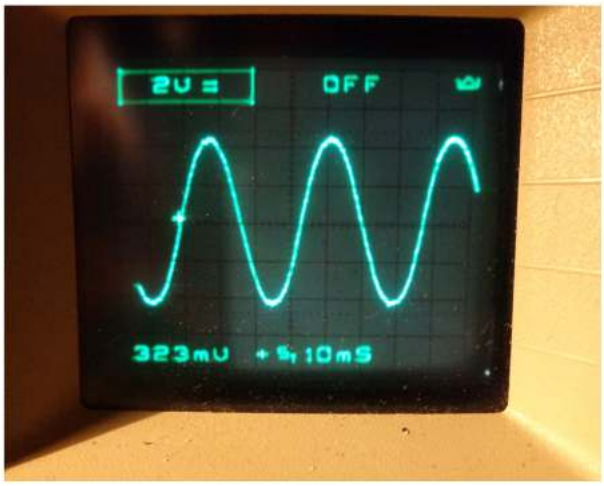


PWM-0%



Sine





Circuit Board