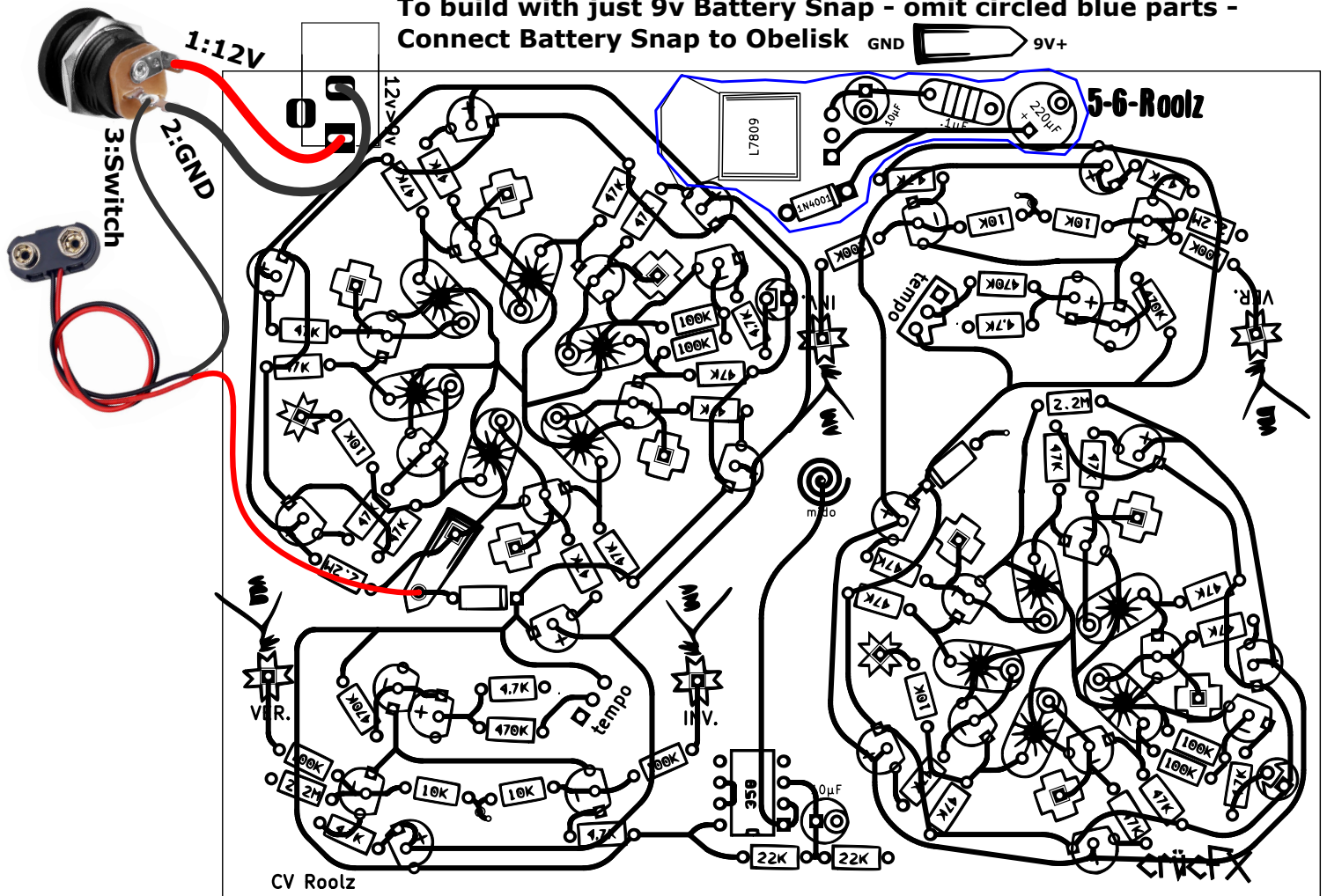


To build with just 9v Battery Snap - omit circled blue parts -  
Connect Battery Snap to Obelisk GND 9V+



#### 6-Roll & ArpSerge Assemblage:

	X 16	4.7k 1/4w Resistor
	X 3	10k 1/4w Resistor
	X 4	100k 1/4w Resistor
	X 2	470k 1/4w Resistor
	X 2	2.2m 1/4w Resistor
	X 10	NPN Transistor
	X 8	PNP Transistor
	X 1	LED-Circle Pad = Neg.
	X 1	B10k Potentiometer

#### 5-Roll & ArpSerge Assemblage:

	X 14	4.7k 1/4w Resistor
	X 3	10k 1/4w Resistor
	X 4	100k 1/4w Resistor
	X 2	470k 1/4w Resistor
	X 2	2.2m 1/4w Resistor
	X 9	NPN Transistor
	X 7	PNP Transistor
	X 1	LED-Circle Pad = Neg.
	X 1	B10k Potentiometer

#### Power Section:

	X 1	LM7809
	X 1	Center Positive
	X 1	.1uF - MLCC or 104 Poly
	X 1	10uF - Electrolytic
	X 1	220uF - Electrolytic
	X 1	1N4001

**NPN = BC547**  
**PNP = BC557**

#### Mido Section:

	X 2	22k 1/4w Resistor
	X 1	LM358 IC - DIP-8
	X 1	10uF Electrolytic



**MIDO = 4.5v**

**\*\* Circled Side on all Electrolytics = Negative/Ground**

**\*\* Hairy Capacitor Value:**

**Only 4.7uF's are required for this build.**

**If using Electrolytic, Negative goes in the circled side.**



X 11