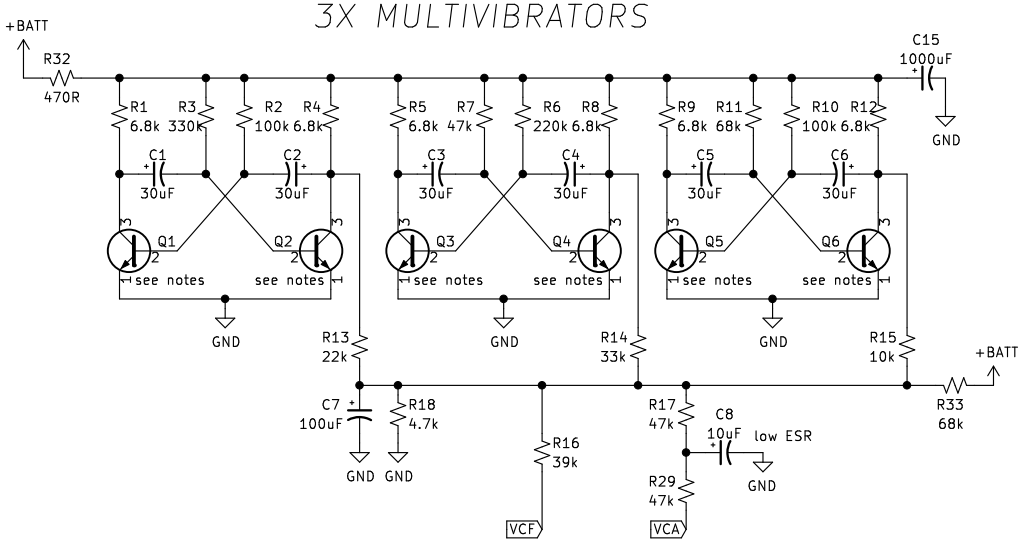
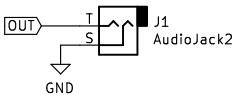
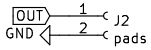
Rev. 1.1 | 2022-08-15 | Flipped trimpots, added notes on xsitors, fixed ommited part in mouser BOM.

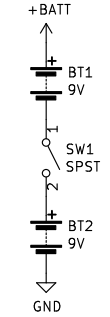
3X MULTIVIBRATORS





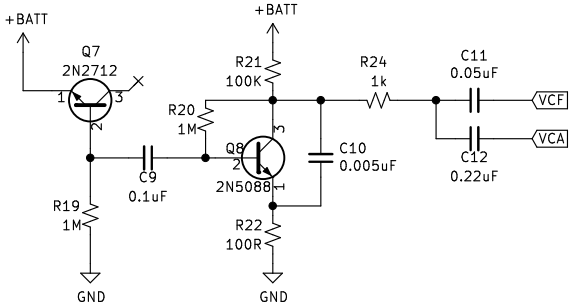
Not used on PCB



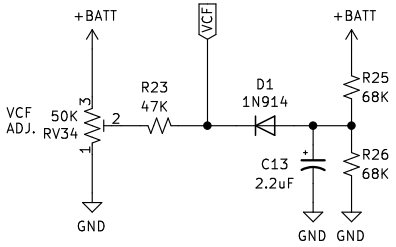


to use wall wart power, attach V+ to BT2+,
gnd to BT2-, and jumper SW1p1 to BT1-

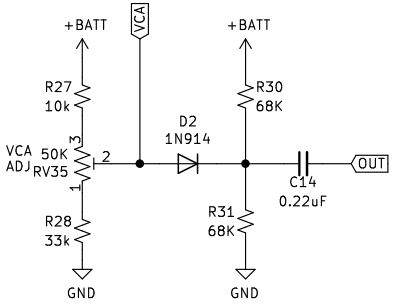
NOISE SOURCE AND AMPLIFIER



VCF



VCA



1. Resistors are 1/2w metal film 2.5x6.5ish. Ref Vishay NFR25H0004707JR500 or whatever

2. C12, 14 are Cornell 715P or 716P polypropylene "orange drops", originally specced as mylar.
   Other film caps should also work.

3. Original multivibrator xsitors are 2N5129, 2N3904 works well, another possibility is NTE123
   Or possibly closer are BC337...338, BC635, 2N2221...22(A), or 2n5818

4. The noise source is 2N2712 originally, synthcube has 2712 "work-alike Noisemakers":
   https://synthcube.com/cart/index.php?route=product/product&product_id=8081
   I have also tested 2N3904's, as with the 2712, you may need to test a couple to find the best sounding one.

5. Amplifier was also 2N2712. I have tested with a 2N5088, although it would probably like more gain.

Mouser project: https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=5a02463290

note: art is from https://www.freepik.com/premium-vector/big-ocean-wave-sun-set_7483781.htm

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