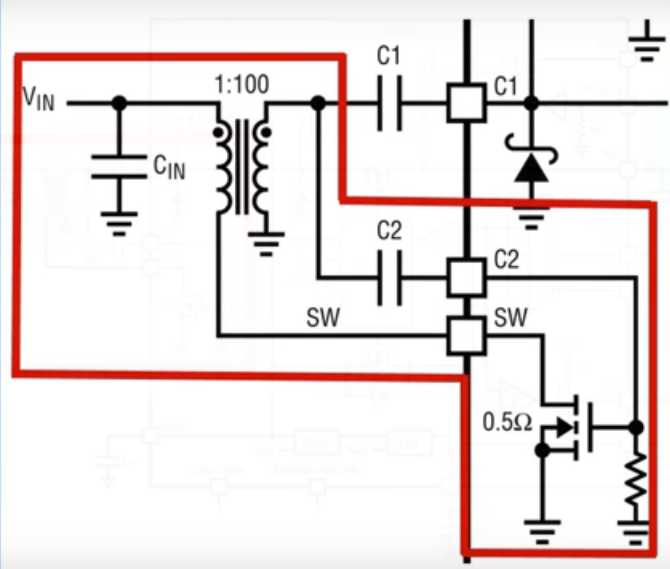
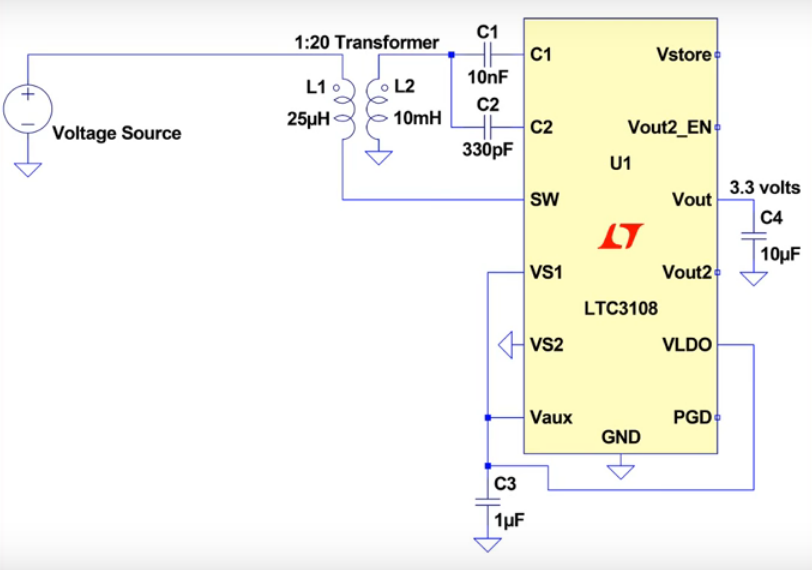
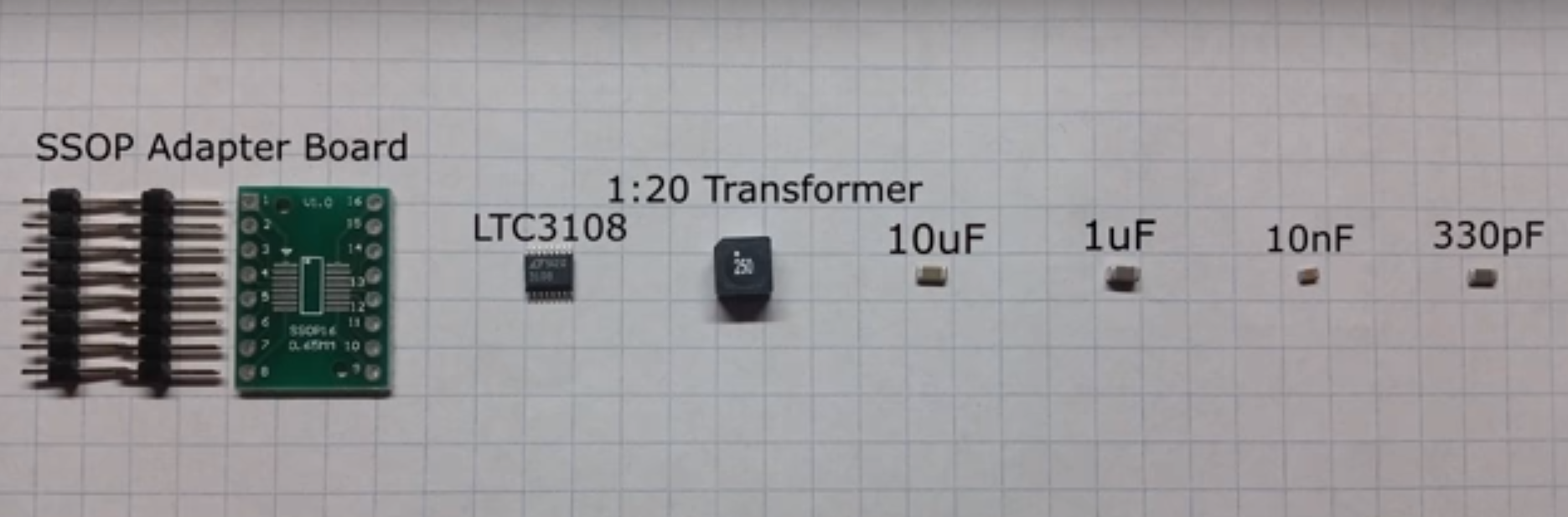
**Making Volt Boosting circuit with LTC 3108**

When I start creating flashlight. I took few Peltier’s their output volts were about 40mv. I tried my joul thief but failed many times they were not able to convert from 20mv or 40mv. There was a lot of search on internet any help about low volt conversion. After a lot of search internet I found two solutions about. Both were right for me. First was a IC that called LTC3108 available at analog devices. Specially made for thermoelectric harvesting devices like Peltier’s . That is available at many website like [ebay.com](http://ebay.com) or any that suite you. It has select able option about volts 2.5V, 3V, 3.7V, 4.5V or 5V. Here is method that you can make you own boosting circuit.

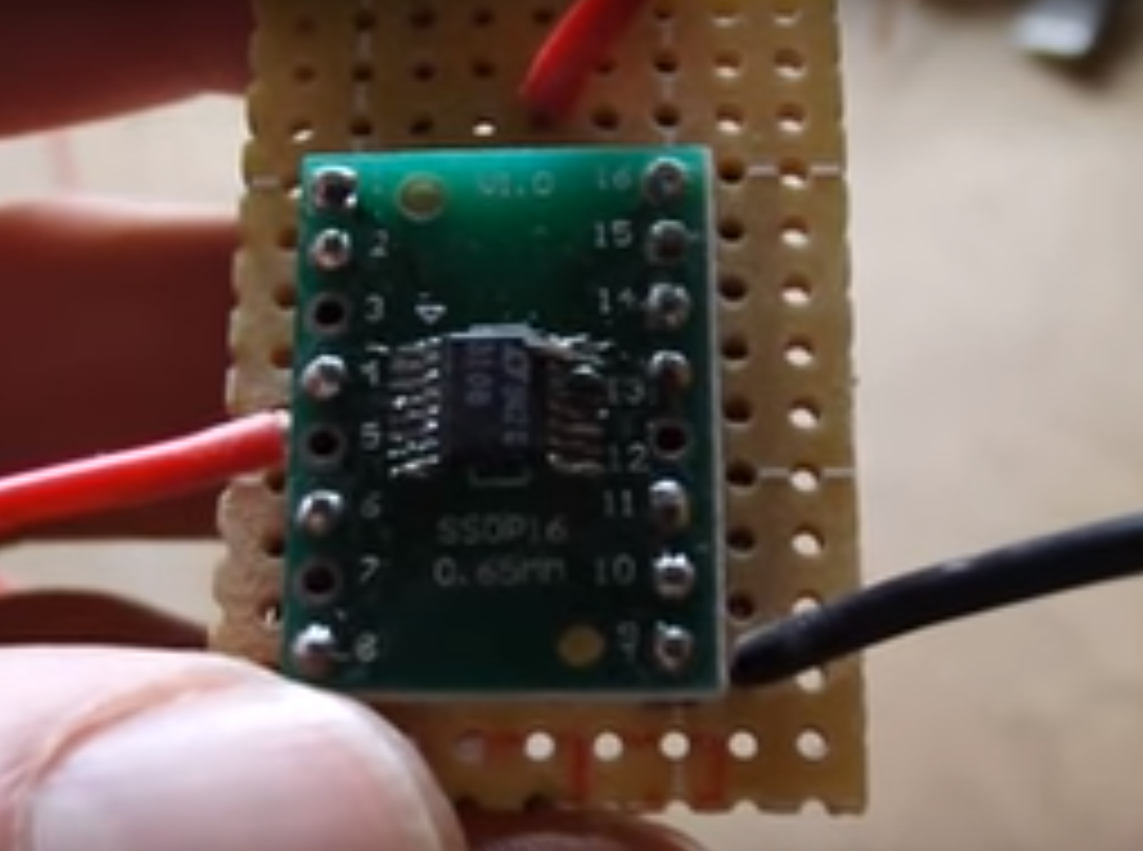
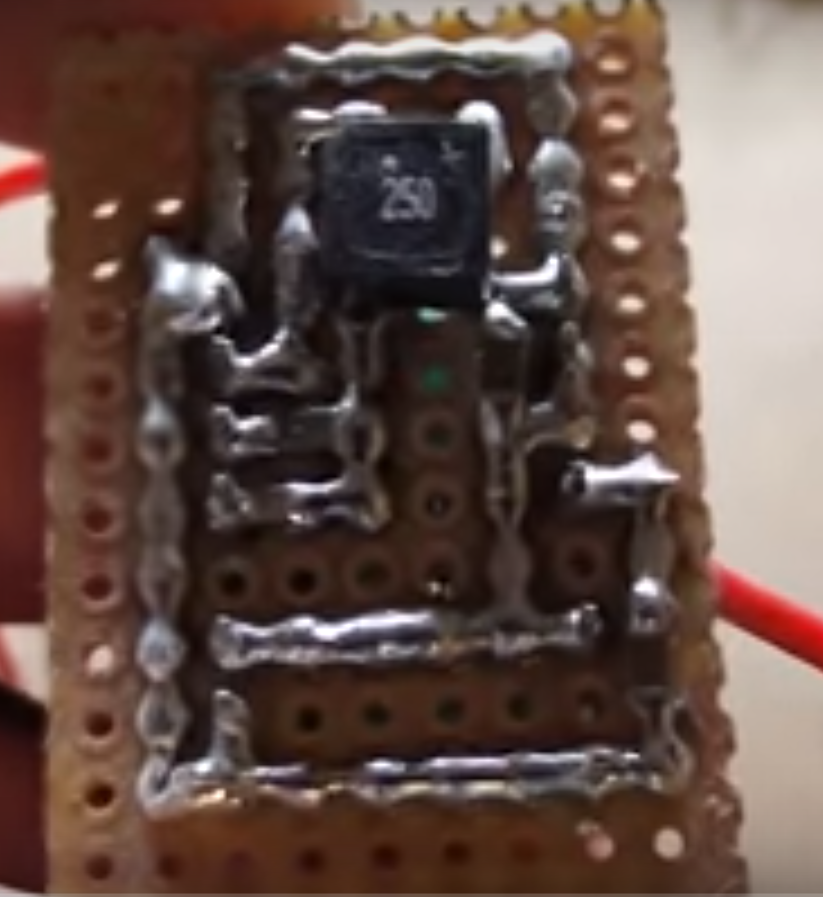
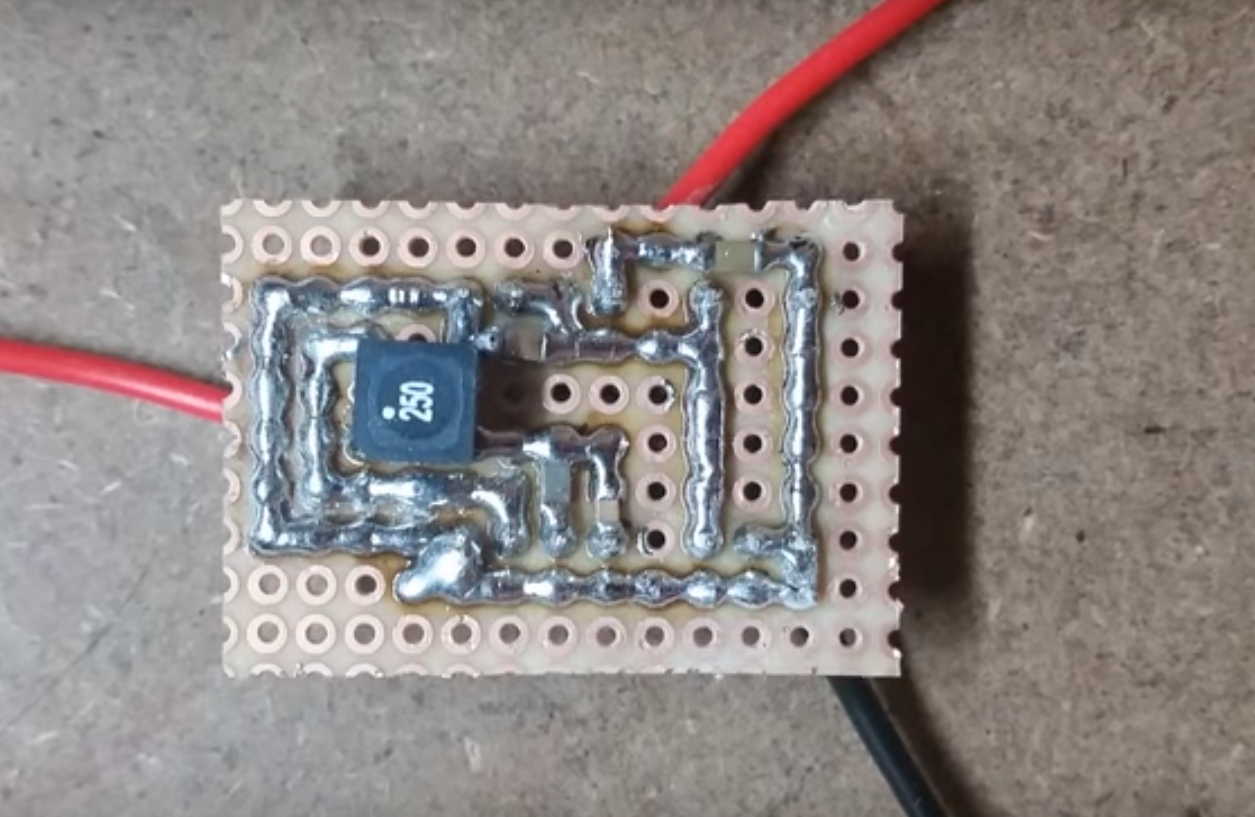
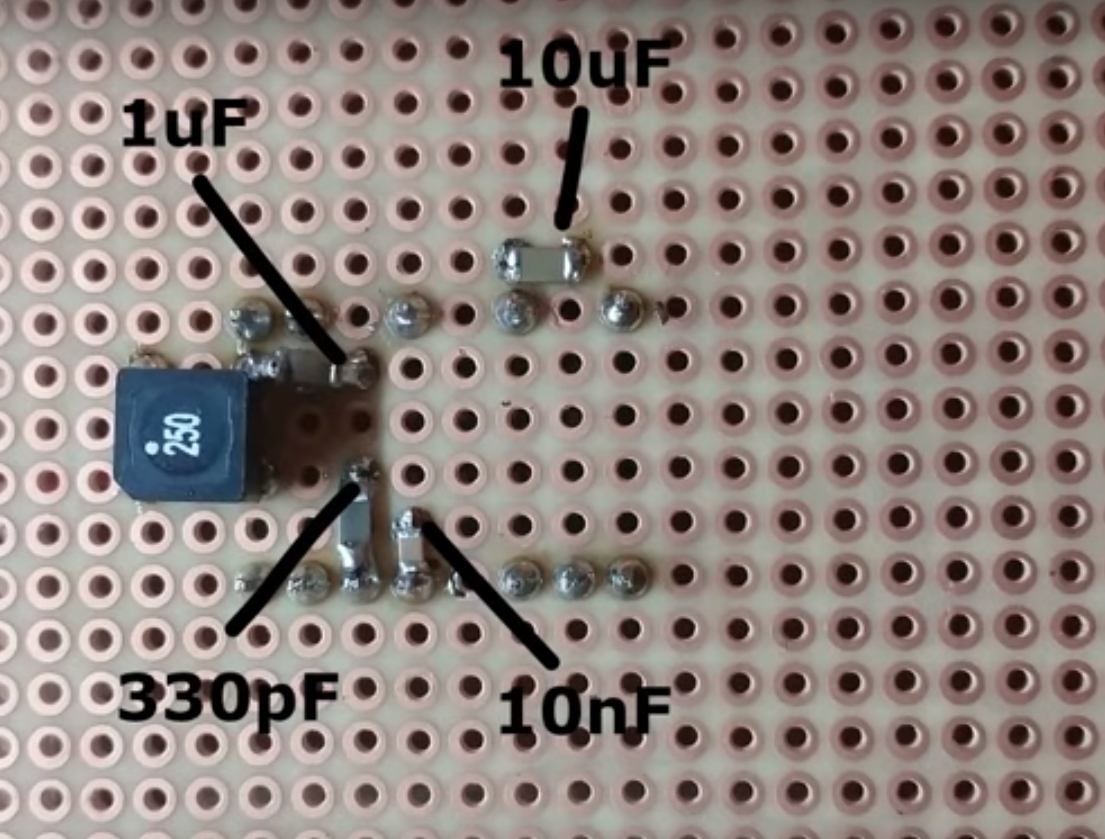
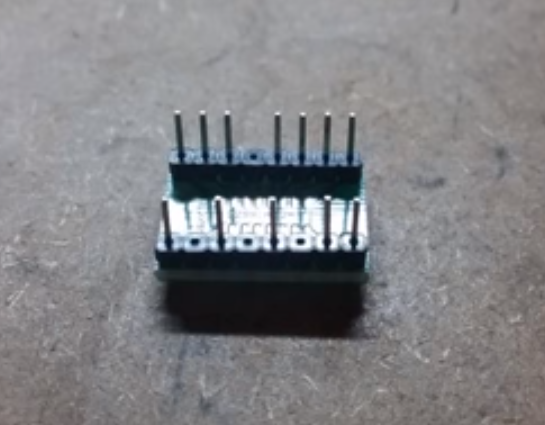
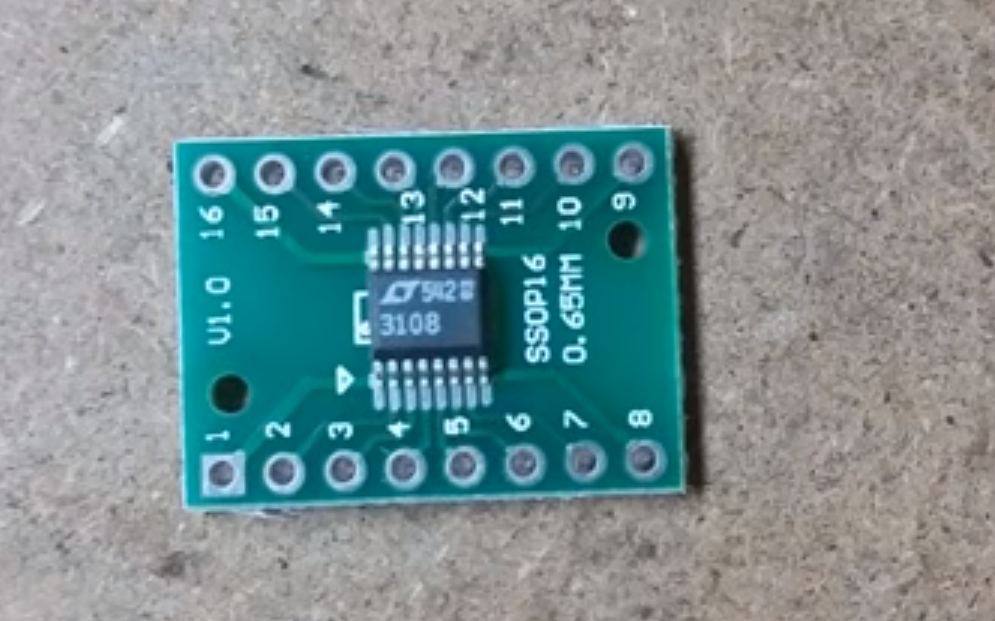
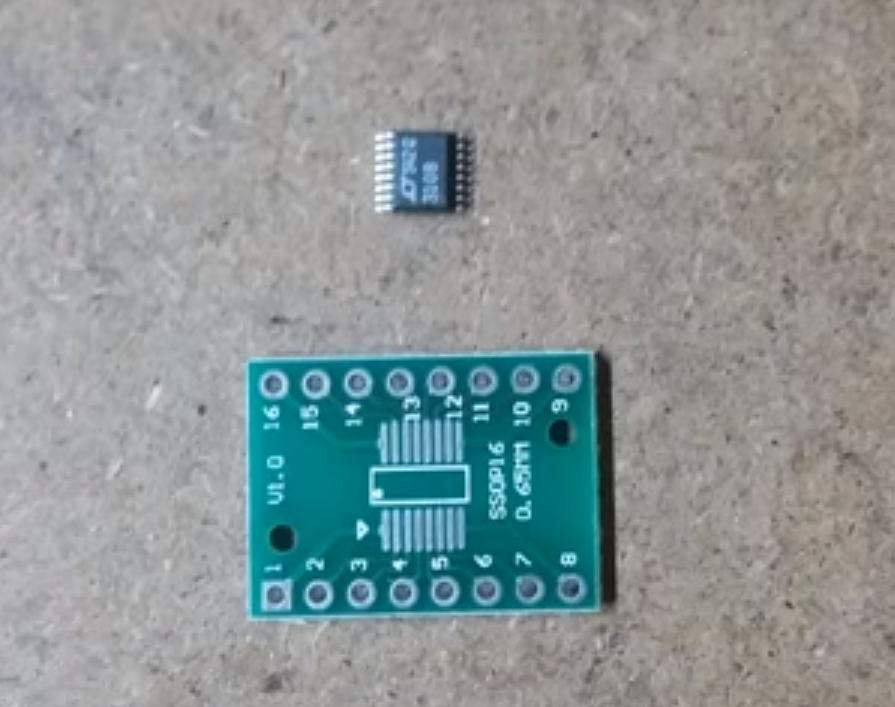
**Circuit Diagram**



Components that you need



Fallow the pictures to make your own ultra low volts boosting circuit that start form 20mv



**Thank you very much**