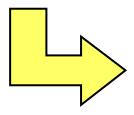
## Reclaimable Circuit Assembly Process

An Open Source Proposal By Shane Oberloier



THE PROBLEM: The world will generate 92 billion pounds of e-waste in 2017 alone<sup>1</sup>. Humanity is not going to slow down, So how can engineers make this waste more manageable?







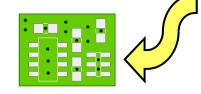
THE SOLUTION: Eliminate Solder! Parts will become easier to reclaim. The solder-mask can be forgone enabling an easier copper recycling process. Follow these 5 steps:

Create your board design. Manufacture it yourself or send out for conventional processes.

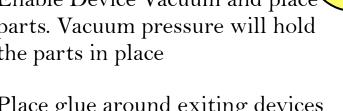


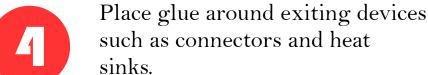


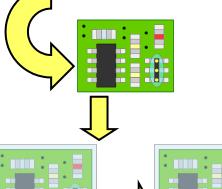
Adjust the design to have vacuum holes. Also place them at part locations.



Enable Device Vacuum and place parts. Vacuum pressure will hold the parts in place







Thermoform and seal a plastic bag around the board. Once cooled, cut open connectors



Once the circuit has reached its end of life, cut the bag to reclaim both parts and copper.