Lightweight PCB:

<https://www.goldmine-elec-products.com/prodinfo.asp?number=G17455&utm_source=rb-community&utm_medium=forum&utm_campaign=lightest-pcb-solution>

* 5.34 g per 3.5x3.5cm

Platic sheets - chemically deposited copper traces

* Exceeding maximum bend radius will damage circuit flow
* Cold and hot temperatures makes plastic brittle or too flexible
* Risky material

Solar cells:

<https://www.sparkfun.com/datasheets/Prototyping/Solar/CPC1822-1.pdf>

<https://www.digikey.com/products/en/sensors-transducers/solar-cells/514?FV=b8ab58%2Cb8ab5a%2Cb8ab5b%2Cb8ab5e%2Cb8ab63%2Cb8ab66%2Cb8ab72%2Cb8ab76%2Cb8ab89%2Cb8af75%2Cb8c187%2Cb8c1ff%2Cb8c200%2C1f140000%2Cffe00202&quantity=0&ColumnSort=46&page=1&pageSize=25>

Camera of mobile phones

Mail space system

Need to know location of the satellite

* Magnetometer
* Accelerometer
* GPS (can inlcude altimeter? - innacurate)
  + http://geoawesomeness.com/accurate-altimeter-gps-watch/
* Altitude meter -
* Incorporate google maps - open source for testing

Steps to create MOF through Solvet method

<https://www.youtube.com/watch?v=z_zhA4eIoQc>

MOF products: <http://www.moftechnologies.com/products/>

MOF

Payloads:

1 - biological

2 - no payload - simple

Focus on transmission

Building of the actual satellite