

Nose Cone/Payload Stack Electronics:

- ✓ 3.7V 1-cell LiPo (On-board x1) [3.7V 1-cell LiPo \(back-up\)](#)
- ✓ 3.7V 1-cell LiPo Thermal DAQ (Juan)
- ✓ [Thermal DAQ \(back-up\) \(Shreeyam\)](#)
- ✓ MicroSD card 32Gb
- ✓ [MicroSD card 16 Gb](#)
- ✓ SD Card Adapter
- ✓ [SD Card Adapter \(back-up\)](#)
- ✓ **Polycarbonate Parts: need complete back-up**
 - ✓ Lower layer
 - ✓ Middle layer (drill remaining hole or waterjet part)
 - ✓ Upper layer
 - ✓ Vertical DAQ Mount
 - Lower layer (backup)
 - Middle layer (backup)
 - Upper layer (backup)
 - Vertical DAQ Mount (backup)
- ✓ Fasteners for mounting DAQ:
 - ✓ M3 M-F standoffs (need x4)
 - ✓ [M3 M-F standoffs \(back-up\)](#)
 - ✓ M3 Nuts (need x4)
 - ✓ [M3 Nuts \(back-up\)](#)
 - ✓ M3 Screws (need x4)
 - ✓ [M3 Screws \(back-up\)](#)
 - ✓ M3 Washers (need box)
- ✓ Hardware for integrating payload stack
 - ✓ 3D Printed Battery Holder
 - ✓ 4-40 Nuts - for battery holder (need x4)
 - ✓ [4-40 Nuts - for battery holder \(back-up x4\)](#)
 - ✓ 4-40 Screws - for battery holder (need x4)
 - ✓ [4-40 Screws - for battery holder \(back-up x4\)](#)
 - ✓ Payload Bulkhead + connected assemblies
 - ✓ 1/4-20 threaded rods (need x4)
 - ✓ [1/4-20 threaded rods \(back-up x4\)](#)
 - ✓ 1/4-20 SS coupling nuts - layering stack (need x8)
 - ✓ [1/4-20 SS coupling nuts \(back-up x2\)](#)
 - ✓ 1/4-20 SS nuts (need x8)
 - ✓ Right angle 3-hole pos brackets x1
 - ✓ 8-32 Screws (On-board x4)
 - ✓ [8-32 Screws \(back-up x4\)](#)
 - ✓ 8-32 nuts (On-board x4)

- ✓ 8-32 nuts (back-up x4)
- ✓ 6-32 screw - for screw switch on/off (need 1)
- ✓ 6-32 lock nut - for switch on/off (back-up)
- ✓ Switch board
- ✓ 4-40 standoffs (need x2)
- ✓ 4-40 standoffs (back-up x2)
- ✓ 4-40 screws (need x2)
- ✓ 4-40 screws (back-up x2)
- ✓ 4-40 nuts (need x2)
- ✓ 4-40 nuts (back-up x2)
- ✓ 22 AWG wire
- ✓ Zip ties
- ✓ Other hardware/tools:
 - ✓ NC tip assy
 - ✓ Tip
 - ✓ Threaded washer
 - ✓ Threaded rod
 - ✓ Thermocouples for mounting (x 2)
 - ✓ Proline 4500 Epoxy Resin and mix
 - ✓ Adjustable wrench
 - ✓ Multimeter
 - ✓ Screwdriver set

Avionics

- ✓ Pyxida Antenna
 - ✓ Antenna
 - ✓ Cable
 - ✓ Locking nut
 - ✓ Washer
- ✓ Telemega Antenna
 - ✓ Antenna
 - ✓ Cable
 - ✓ Locking nut
 - ✓ Washer

Lower Electronics (most brought by Andrew Reilley)

- ❑ Electronics & Sensors

- ✓ 3.7V 1-cell LiPo (need x1)
- ✓ LE DAQ (Shreeyam)
- ✓ LE DAQ (Backup) (Shreeyam)
- ✓ LE DAQ (Back back up)
- ✓ MicroSD card
- ✓ SD Card Adapter
- ✓ Boost Converter
- ✓ Boost Converter (spares)
- ✓ Ptap
- ✓ Load Cell
- ✓ Super bright LEDs
- ✓ Firefly Cameras (x2)
- ✓ Spare JST Connector (x1)
- ✓ Boost Converter filtering capacitors
- ✓ Spare Load Cell cable (5 ft)
- ✓ OTG/Mini USB Cable
- ✓ Structural Parts
 - ✓ LE DAQ enclosure
 - ✓ LE DAQ enclosure cover
 - ✓ Camera enclosures x2
 - ✓ Spare LE DAQ Enclosure + cover (backup)
 - ✓ Polycarbonate shield plate (recovery guard)
 - ✓ Recovery guard (backup)
 - ✓ Recovery guard Screws, x6 8-32
 - ✓ Extras
 - ✓ Countersunk 8-32 x 1/4 " x6
 - ✓ Extras
 - ✓ Spare Camera enclosures x2
 - ✓ Spare heat-set inserts
 - ✓ 4-40 M-F standoffs (need x4)
 - ✓ 4-40 screws