

Fox-Plus Mechanical

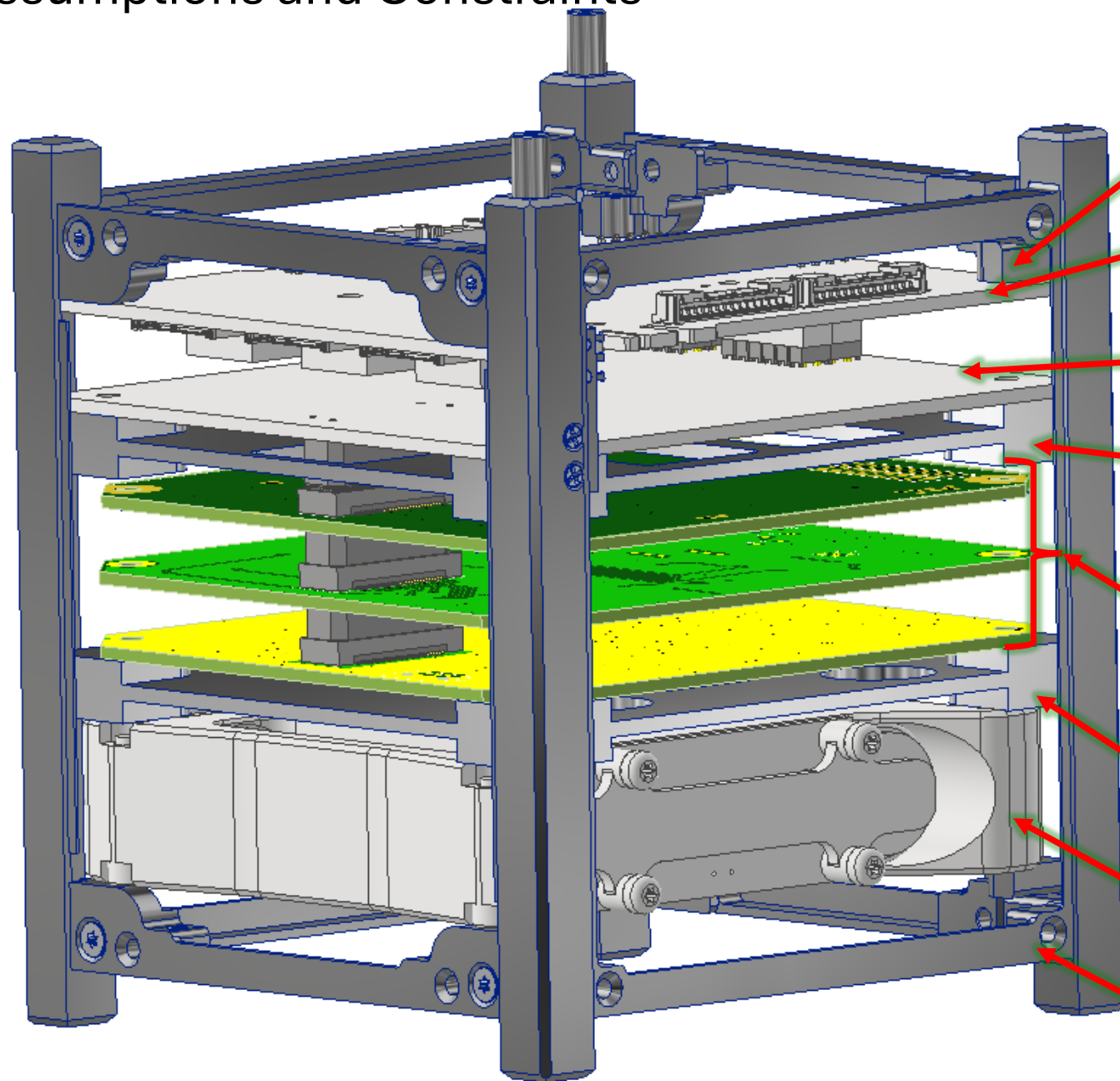
Topics: Mechanical Assumptions and Constraints
FOX-ME-203 Adapter PCB Overview

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Assumptions and Constraints



- Top hole pattern on ISISpace frame is fixed
- Top holes on ISISpace frame are M3 helicoil inserts (female)

- ISISpace EPS hole pattern is fixed
- ISISpace EPS hole pattern per ISISpace ICD (same as frame)
- ISISpace frame oriented as shown to have ISISpace EPS board oriented with CSKB sockets pointing down

- Adapter PCB needed with QTH on bottom and CSKB on top
- Hole pattern not fixed

- TBD adapter needed to go between PCB hole pattern and ISISpace hole pattern
- Will need to be roughly 8mm to have proper QxH engagement with IHU

- RXTX, ICR, and LIHU board hole patterns are fixed
- Possible minor hole adjustments (slots?)
- Hole patterns are per GOLF/FOX-ME-113
- Spacing between boards set by FOX-ME-117 spacers (roughly 8mm)
- Boards can move in x/y direction by a small amount (<5mm)

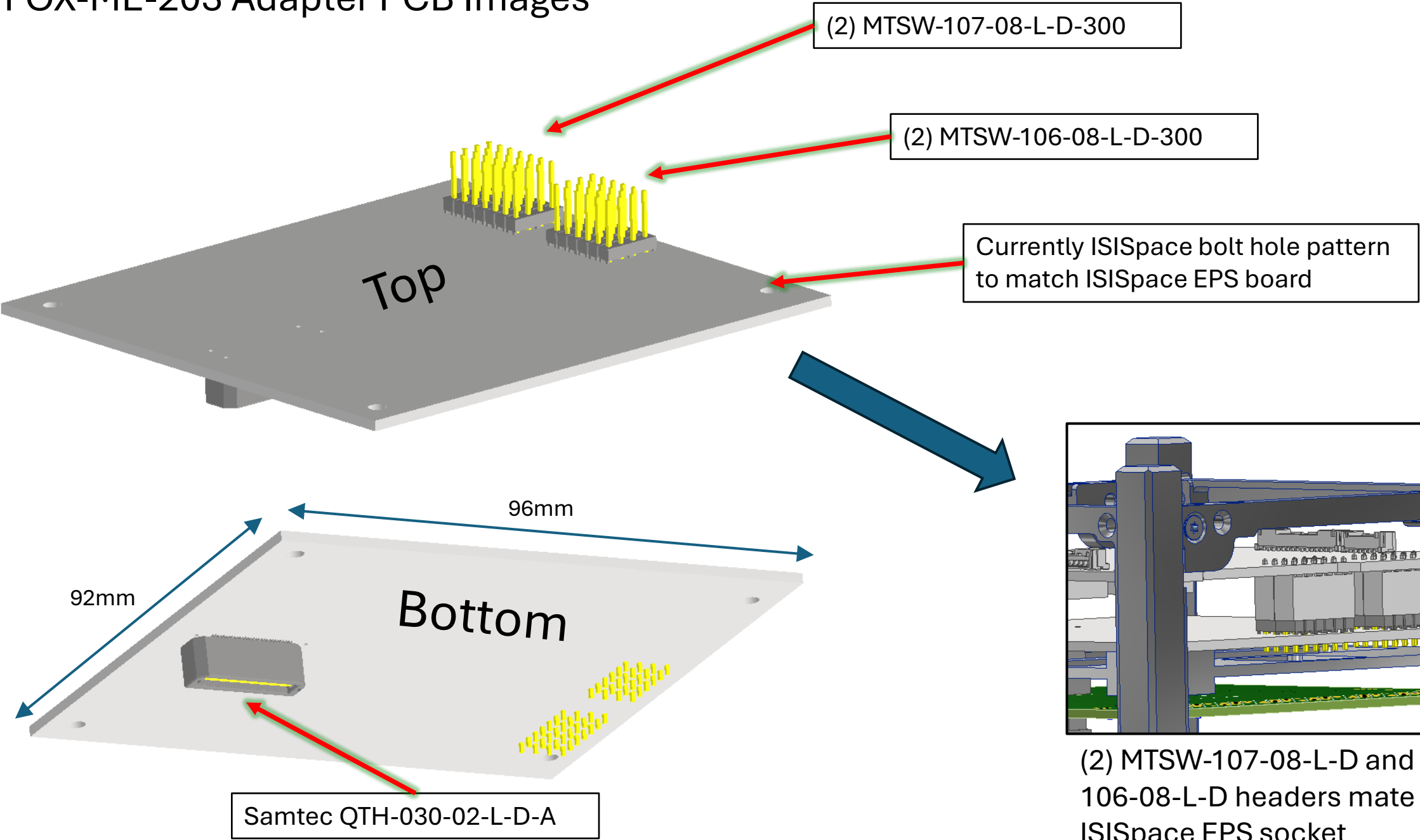
- TBD adapter needed to go between ISISpace hole pattern and PCB hole pattern

- ISISpace battery hole pattern is fixed
- ISISpace battery must be oriented as shown in this stack configuration

- Bottom hole pattern on ISISpace frame is fixed
- Bottom holes on ISISpace frame are M3 countersunk holes

Note: Model currently Work In Progress (WIP)

FOX-ME-203 Adapter PCB Images



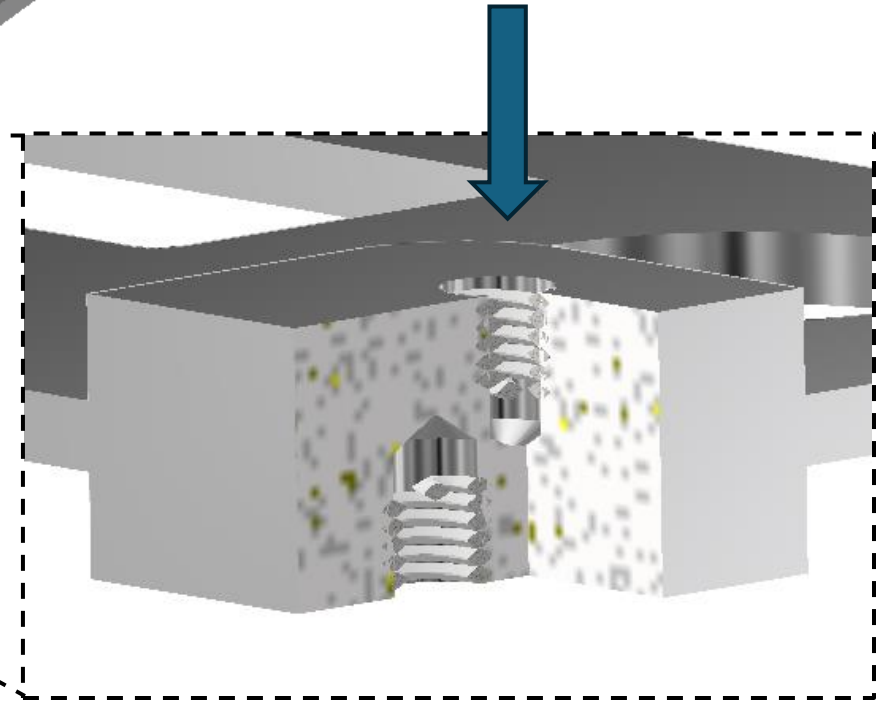
Adapter Concept

(8) M3 Helicoils

GOLF/FOX-ME-113 hole pattern on top (mate with RXTX/ICR/IHU stack)

Minimal (yet significant) difference between hole patterns makes this challenging

ISISpace hole pattern on bottom (mate with battery)



3/4-X Section

Note: Similar concept for “top” adapter, just reversed