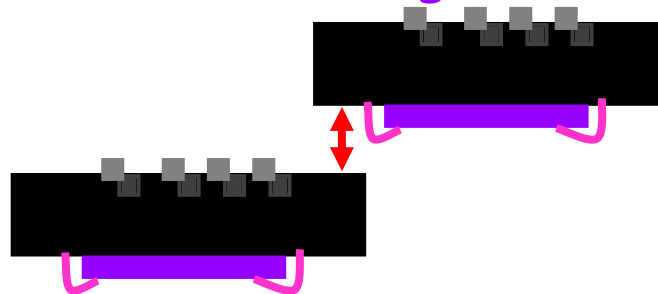


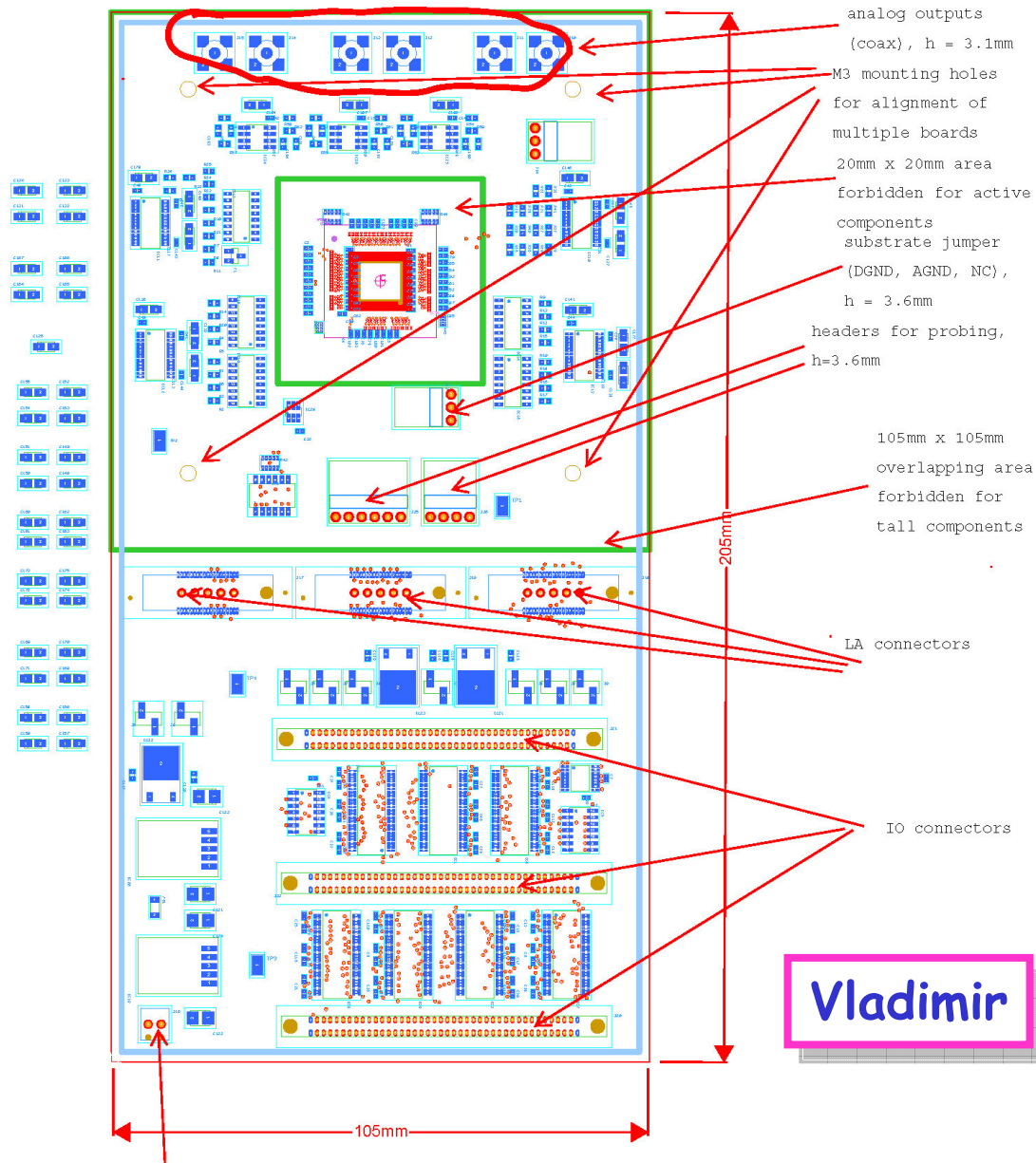
Cosmic Test Rig

- Mechanical structure to hold 4 PCBs
 - ▶ Minimise inter-sensor spacing
 - ▶ Rigid during ~weeks test run
 - ▶ Mounting for scintillators above/below 4 sensor stack - on same form factor PCB
 - ▶ Minimum sensor separation:
 - ⇒ surface mounted components in direct path of sensor (known) + wire bond height (estimated)



⇒ fix inter-PCB layer spacing after doing wire bonding

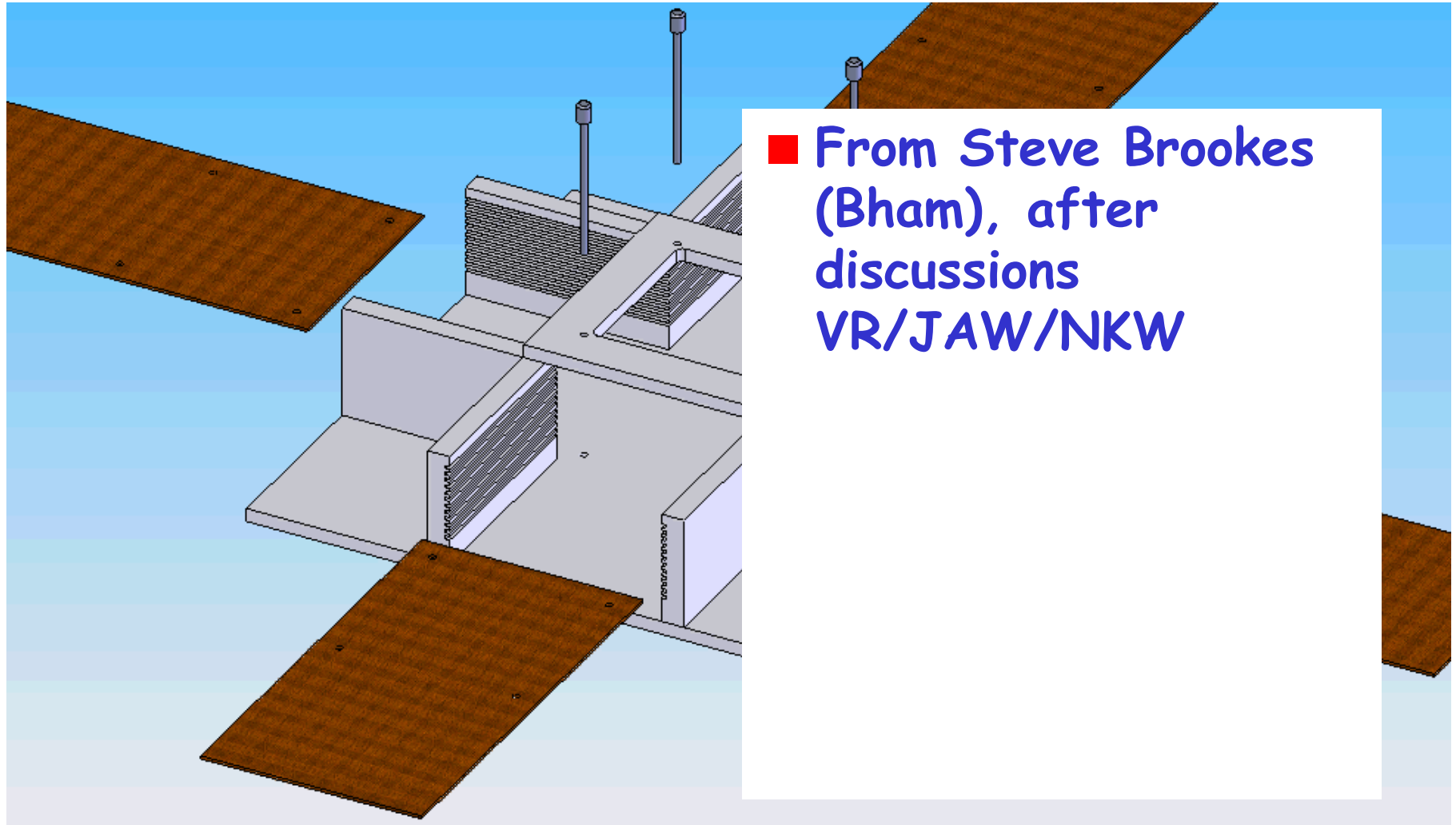
Sensor PCB layout (18/06/2007 vintage)



Vladimir

- Tall components away from square region centred around sensor (direct path of sensor)
- Very tall cable connectors outside of central region altogether
- Four M3 holes for relative sensor location
- Layout in progress

Mechanical structure



- From Steve Brookes (Bham), after discussions VR/JAW/NKW