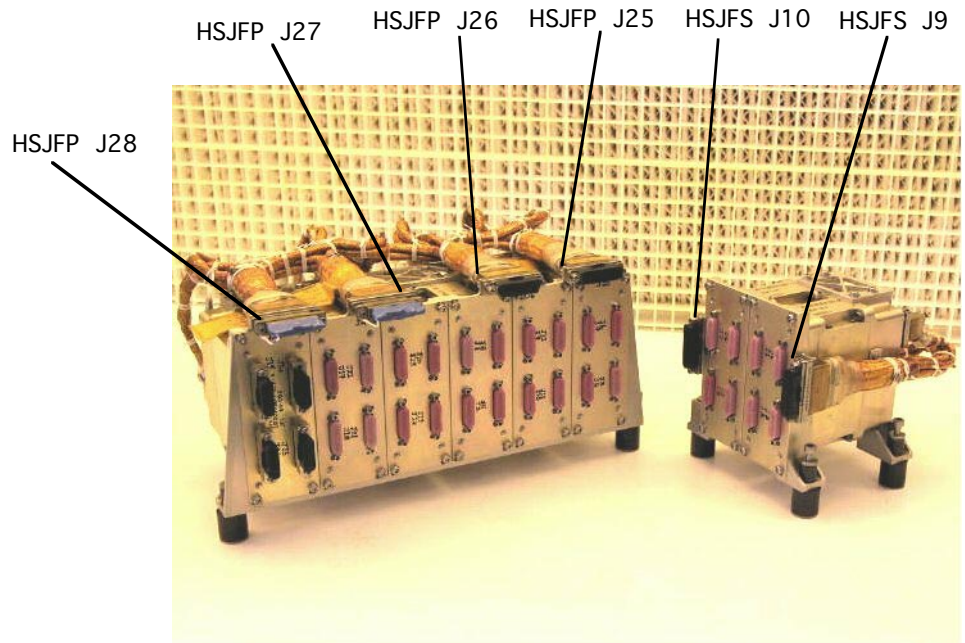


To: Jeurgen, Horst Astrium
 Doug for HDD 1.2
 cc. Carsten, Eric

Cryoharness I/F Detail.



The six JFET backharness bias connectors identified in the picture are all 37way MDMs with their backshells front mounted on the unit chassis.

The frontmost flange is that of the connector itself and the mounting holes through it are only 2.8mm diameter, suitable for 2 x 56 UNC. This constrains the nutlock thread depths for the mating harness. The nutlock is formed by a long nut having a connector holding fastener coming in from one side and a harness fixing one coming in from the other, the depth of the latter being made as large as possible.

When fully inserted, **the harness studlocks 2 x56 bolts may project 3mm from the face of the harness connector, not the more usual 4.** The counter-bore on the outer ends of the unit's nutlocks are somewhat reduced to ensure adequate thread engagement.

Harness providers should reduce the studlock lengths before fitting them to the connectors, it's much easier!

John