



Problem/Failure Report
THM_PFR_104
F2 Backplane Damaged

PFR-104 Title: F2 Backplane Damaged

Assembly : SN002 Backplane	SubAssembly :	
Component : hypertronics connector	Units Affected:	Units fixed:
Originator: Corinna Chen	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Organization: UCB SSL Themis	Date: October 5, 2005	
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Failure Occurred During (Check one ✓)

☐ Functional test ☐ Qualification test ☐ S/C Integration ☐ Launch operations ✓ ☒ Other (Flight Assy)

Environment when failure occurred:

✓ Ambient ☐ Vibration ☐ Shock ☐ Acoustic
☐ Thermal ☐ Vacuum ☐ Thermal-Vacuum ☐ EMI/EMC

Problem Description

The hypertronics connector on the backplane SN002 had a bent pin and could no longer be used.

Analyses Performed to Determine Cause

The problem occurred during final assembly build of FM2 IDPU on 8/29/05. During mechanical assembly, the LVPS was misaligned with the chassis and there was difficulty in connecting to the backplane. The misalignment resulted in a bent pin on the hypertronics connector of the backplane.

Corrective Action/ Resolution

The FM2 backplane was decided unusable due to the special connector and the difficulty of removing the connector without doing harm to the backplane board. SN018 backplane, slated to be FM6, was named the new FM2 backplane. All documentation has been transferred to the FM2 backplane traveler. A new backplane will be assembled for FM6.

Acceptance:

MAM: Ron Jackson _____; MSE: Ellen Taylor _____

PM: Peter Harvey _____; Cognizant Engineer _____

Date of Closure _____