Document Title

SLAC Onsite Rework Summary for PDU GLAT1898
## CHANGE HISTORY LOG

<table>
<thead>
<tr>
<th>Revision</th>
<th>Effective Date</th>
<th>Description of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>06 September 2005</td>
<td>Initial Release</td>
</tr>
<tr>
<td>02</td>
<td>15 September 2005</td>
<td>Replace connector panel jackposts</td>
</tr>
<tr>
<td>03</td>
<td>1 November 2005</td>
<td>Change reference to PDU part number revision from -61 to -62</td>
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1. **SCOPE**

This document lists rework done at SLAC to PDU GLAT1898. Rework at Aeroflex is not documented here.

2. **REWORKS AT SLAC**

2.1 **PDU CCA LAT-DS-02125**

GLAT1894 and GLAT1895 (pre-conformal coat) were received by SLAC on May 11, 2005. This hardware conformed to LAT-DS-02125-58, LAT-TD-02304-55, and LAT-DS-02127-56. Before sending back to Aeroflex for conformal coat and final assembly, the following reworks were performed on each CCA, at SLAC. These reworks upgraded the boards to LAT-DS-02125-60, LAT-TD-02304-56, and LAT-DS-02127-57.

- Added dead bug capacitor per WO1124. There were two revisions of LAT-DS-02125 due to circumstances noted in NCR00466.
- Remove C38 per WO1124.
- Remove R13-14 per WO1155.
- Replace R604-605 per WO1155.
- Replace 25 resistors (301K to 49.9K), 23 resistors (511K to 100K), and 6 resistors (1M to 301K), per WO1230.

2.2 **PDU Box Assembly LAT-DS-01696**

GLAT1898 (pre-conformal coat) was received by SLAC on May 11, 2005. This hardware conformed to LAT-DS-01696-58 and LAT-DS-01846-54. Before sending back to Aeroflex for conformal coat and final assembly, the following reworks were performed on each CCA, at SLAC. These reworks upgraded the boards to LAT-DS-01696-59 and LAT-DS-01846-55. After final assembly at Aeroflex, GLAT1898 conformed to LAT-DS-01696-60. Further rework listed below upgraded the hardware to LAT-DS-01696-61. Corrections to the drawing that did
not affect the as-built hardware bumped the revision level to -62.

- Document LAT-DS-01696-58 notes were updated to revision 59 to ensure flight wire harnesses are dressed correctly. No rework was done at SLAC.

- Document LAT-DS-01696-59 notes were updated to revision 60 to remove the voltage margining wire attachments which are not in the flight harness (LAT-DS-04361-57). No rework was done at SLAC.

- Machining of PDU enclosure and addition of Kapton tape layer per WO1204 and LAT-DS-01846-55. This was pre-conformal coat.

- Connector panel jackposts were replaced with correct parts to conform to LAT-DS-01696-61 per WO1583. This was post conformal coat and post Proto-Flight electrical testing.

- Correction to drawing LAT-DS-01696-61 bumps revision to LAT-DS-01696-62, no hardware is affected.