**LAT PROJECT DOCUMENT CHANGE NOTICE (DCN)**

**ORIGINATOR:** Patrick Young  
**PHONE:** 650-926-4810  
**DATE:** 2/16/05

**CHANGE TITLE:** DCN for Updated PDU BOM & Schematic

<table>
<thead>
<tr>
<th>DOCUMENT NUMBER</th>
<th>TITLE</th>
<th>NEW REV.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT-DS-02127</td>
<td>PDU Schematic</td>
<td>56</td>
</tr>
<tr>
<td>LAT-TD-02304</td>
<td>PDU Bill of Materials</td>
<td>55</td>
</tr>
</tbody>
</table>

**CHANGE DESCRIPTION (FROM/TO):**

Please see LAT-XR-05841-01 for changes to this document

**REASON FOR CHANGE:**

**ACTION TAKEN:** ☑ Change(s) included in new release  
☐ DCN attached to document(s), changes to be included in next revision  
☐ Other (specify): 

**DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS):**

☐ No hardware affected (record change only)

☐ List S/Ns which comply already:

☐ List S/Ns to be reworked or scrapped:

☐ List S/Ns to be built with this change:

☐ List S/Ns to be retested per this change:

**SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT?** ☑ YES  ☑ NO

If yes, CCB approval is required. Enter change request number:

<table>
<thead>
<tr>
<th>APPROVALS</th>
<th>DATE</th>
<th>OTHER APPROVALS (specify)</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORIGINATOR: P. Young (signature on file)</td>
<td>2/16/05</td>
<td>SE- P. Hascall (signature on file)</td>
<td>2/16/05</td>
</tr>
<tr>
<td>ORG. MANAGER: G. Haller (signature on file)</td>
<td>2/16/05</td>
<td></td>
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<tr>
<td>PSA- Darren Marsh (signature on file)</td>
<td>2/16/05</td>
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<td>Manufacturing- R. Patterson (signature on file)</td>
<td>2/16/05</td>
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<tr>
<td>Elec.- D. Nelson (signature on file)</td>
<td>2/16/05</td>
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<tr>
<td>DCC RELEASE: Natalie Cramer (signature on file)</td>
<td>2/16/05</td>
<td>Doc. Control Level: ☑ Subsystem ☐ LAT IPO ☐ GLAST Project</td>
<td></td>
</tr>
</tbody>
</table>
UPDATE U3, T1 ATTRIBUTES WITH FLIGHT INFO

SWAP XLHP/DSHP NET NAMES

CORRECT PIN LENGTH IN PART J1-3,5-10

CHANGE R57,58,59,77,78,79,86,88 TO OPEN
GLAST LAT ELECTRONICS
POWER DISTRIBUTION UNIT (PDU)

Sheet 5 of 66

SHEET 5 OF 66

+Y_VCHP_DSHP_T_P[5:0]
+Y_VCHP_DSHP_T_N[5:0]
+Y_GRID_RAD_INTF_T_N[1:0]
+Y_GRID_RAD_INTF_T_P[1:0]
+Y_VCHP_DSHP_T_P[1:0]
+Y_VCHP_DSHP_T_N[1:0]
+Y_GRID_RAD_INTF_T_P[0:1]
+Y_GRID_RAD_INTF_T_N[0:1]
+Y_VCHP_DSHP_T_P[0:1]
+Y_VCHP_DSHP_T_N[0:1]
+Y_GRID_RAD_INTF_T_P[0:2]
+Y_GRID_RAD_INTF_T_N[0:2]
+Y_VCHP_DSHP_T_P[0:2]
+Y_VCHP_DSHP_T_N[0:2]
+Y_GRID_RAD_INTF_T_P[0:3]
+Y_GRID_RAD_INTF_T_N[0:3]
+Y_VCHP_DSHP_T_P[0:3]
+Y_VCHP_DSHP_T_N[0:3]
+Y_GRID_RAD_INTF_T_P[0:4]
+Y_GRID_RAD_INTF_T_N[0:4]
+Y_VCHP_DSHP_T_P[0:4]
+Y_VCHP_DSHP_T_N[0:4]
+Y_GRID_RAD_INTF_T_P[0:5]
+Y_GRID_RAD_INTF_T_N[0:5]
+Y_VCHP_DSHP_T_P[0:5]
+Y_VCHP_DSHP_T_N[0:5]
GLAST LAT ELECTRONICS
POWER DISTRIBUTION UNIT (PDU)

CORRECTED PART # U6, SHEET #S UPDATE
09-28-2004

CHANGE R13, R14, ADD R604,R605,
CHANGE R10S0-20, R13S21, R13S22,
SWAP XLHP/DSHP NET NAMES

ENERGY. RECIPIENT SHALL NOT PUBLISH THE INFORMATION WITHIN UNLESS
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GLAST LAT ELECTRONICS
POWER DISTRIBUTION UNIT (PDU)

DATE
APPROVALS
ENGR
DFTR
CHKR

REV
DESCRIPTION
DATE
APPV
ENGR

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PROPRIETARY DATA OF STANFORD UNIVERSITY AND/OR U.S. DEPARTMENT OF
GRANTED SPECIFIC PERMISSION OF STANFORD UNIVERSITY.
MORE THAN 600uV (1LSB) AND MUST NOT VARY BY VDIV VALUE MUST BE LESS THAN 2.00K 50V 47NF C1D10 AIN- GND 100V RTD=1195@-100C RTD=2930@+120C REF_RTD SCLK2 TIN+1 SCLK1 TIN-0 TIN+0 AIN- GND GND R14D10 R13D10 R5D10 R3D10 0 0 1.82K 1.82K GND GND MAX145 MAX145 SDAT SCLK VDD VDD VREF VREF N_CS N_CS SDAT SCLK VREF VREF N_CS N_CS TIN-7 TIN+7 TIN-6 TIN+6 TIN-5 TIN+5 TIN-4 TIN+4 TIN-3 TIN+3 TIN-2 TIN+2 TIN-1 TIN+1 TIN-0 TIN+0 TIN-1 TIN+1 TIN-1 TIN+1 TIN-1 TIN+1 TIN-1 TIN+1 TIN-1 TIN+1 TIN-1 TIN+1 TIN-1 TIN+1
1.00K
2.00K
47NF
100V
RTD=1195@-100C
RTD=2930@+120C
RTD_MONITOR_BANK
CH0-
CH0+
VDD
GND
DOUT
SDAT
SCLK
VREF
N_CS
"SWAP XLHP/DSHP NET NAMES"
"MAX145"
"U1D11"
"U2D11"
"U3D11"
"U4D11"
"U5D11"
"U6D11"
"U7D11"
MORE THAN 600uV (1LSB) AND MUST NOT VARY BY THAN TIN+ (ADC +INPUT)

RTD=2930@+120C
RTD=1195@-100C

RTD_MONITOR_BANK

LAT-DS-02127-56

GLAST LAT ELECTRONICS

U3D12
U2D12
U1D12
U5D12
U6D12
U7D12
U8D12

MAX145

VREF
N_CS
SDAT
SCLK

STANFORD LINEAR ACCELERATOR CENTER
U.S. DEPARTMENT OF ENERGY