LAT PROJECT DOCUMENT CHANGE NOTICE (DCN)

ORIGINATOR: Mark Freytag  PHONE: 650-926-4260  DATE: 8/24/05

CHANGE TITLE: DCN for GASU Power Supply BOM and Schematic

<table>
<thead>
<tr>
<th>DOCUMENT NUMBER</th>
<th>TITLE</th>
<th>NEW REV.</th>
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<tbody>
<tr>
<td>LAT-DS-02645</td>
<td>GASU Power Supply Bill of Materials</td>
<td>56</td>
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<tr>
<td>LAT-DS-02413</td>
<td>GASU Power Supply Schematic</td>
<td>53</td>
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CHANGE DESCRIPTION (FROM/TO):
Please see LAT-XR-07190-01 for changes to these drawings

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:

APPROVALS | DATE | OTHER APPROVALS (specify): | DATE
-----------|------|-----------------------------|------
ORIGINATOR: M. Freytag (signature on file) | 8/24/05 |                     |      |
ORG. MANAGER: G. Haller (signature on file) | 8/24/05 |                     |      |
PSA- J. Cullinan (signature on file) | 8/27/05 |                     |      |
Manufacturing- R. Patterson (signature on file) | 8/30/05 |                     |      |
DCC RELEASE: Natalie Cramar (signature on file) | 8/30/05 | Doc. Control Level: ☒ Subsystem ☐ LAT IPO ☐ GLAST Project |      |
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Nick Marinos

GASU POWER SUPPLY

GALST

GLAST POWER SUPPLY

LAT-DS-02413-53
Nick Marinos  
GWU POWER SUPPLY

- Replaced R62 from 1.58K to 1.62K Ohm 0.1%
- Replaced CR14 zener with 4.3V Zener Diode from 3.9V.
- Added 5x 47nF caps across feedback R's of the MAX724's.

- Changed value of R62 to 1.50K from 1.62K, CR14 to screened JANS1N6487US

LAT-DS-02413-53

POWER CONVERSION

FILTERED 28VDC
1.9A @ 5mV ripple

FILTERED 28VDC OUTPUT TO GASU ACD
3.3/2.5VDC FRONT-END
- 1.6A @ 50mV ripple (each)
- 1.4A @ 50mV ripple (each)

FILTERED 28VDC OUTPUT TO GASU ACD
3.8VDC FRONT-END
- 1.4A @ 50mV ripple (each)

FILTERED 28VDC OUTPUT TO GASU ACD
2.5VDC PSU OUTPUT TO GASU DAQ
- 1.4A @ 50mV ripple (each)

FILTERED 28VDC OUTPUT TO GASU ACD
3.3VDC PSU OUTPUT TO GASU DAQ
- 1.6A @ 50mV ripple (each)
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3.8 VDC Front-End

GLAST

GASU POWER SUPPLY

CASE

PSU INPUT

TO 3.8V CONVERTER

FLIGHT EMI FILTER

3.8 VDC Front-End

VR14

28V_FILT_B

28V_ACD

GND_COM

VIN+

VIN-

VOUT+

VOUT-
EQUIVALENT, REPLACED R62 FROM 1.58K TO 1.62K OHM 0.1%

REPLACED R25 RESISTOR WITH 0.1%

REPLACED CR14 ZENER WITH 4.3V ZENER DIODE FROM 3.9V.

ADDED 5X 47nF CAPS ACROSS FEEDBACK R'S OF THE MAX724'S.