

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT109 GLAT1836

Fill in blank: (_____) with required information: and check block (✓) when complete...

- ξ (a) Certificate of Compliance for each TEM/TPS LAT-DS-01643 assembly
- ξ (b) Copy of travelers for each comprising a TEM/TPS unit:
- Top Level; TEM/TPS LAT-DS-01643 WO# 113228 ; S/N (above SN) 1132096
- TPS Unit; LAT-DS-01482 WO# ~~11309~~ ; S/N GT109 GLAT1817
- TPS CCA; LAT-DS-02388 WO# 112062 ; S/N GT109 GLAT1779
- TPS O/P Cable; LAT-DS-02831-01 WO# 112044 ; S/N N/A
- TPS I/P Cable; LAT-DS-02830-01 WO# 112043 ; S/N N/A
- TEM Unit; LAT-DS-01481 WO# 113105 ; S/N GT104 GLAT1793
- TEM CCA; LAT-DS-01646 WO# 112004 ; S/N GT104 GLAT1755
- TEM I/P Cable; LAT-DS-02588 WO# 112026 ; S/N N/A
- ξ (c) Non-Conformance Reports (Indicate NCR # and applicable assy / part no.)
 (LAT-DS-01646 # 2236, LAT-DS-02388 # 2294, # 2305, 2323)
- ξ (d.1) AS-BUILT Drawing and Parts List Configuration Record
- LAT-DS-01643; Rev No. (Dwg/PL - 53)
- LAT-DS-01481; Rev No. (Dwg/PL - 54)
- LAT-DS-01482; Rev No. (Dwg/PL - 55)
- LAT-DS-01646; Rev No. (Drawing - 56)
- LAT-TD-02230; Rev No. (PL - 54)
- LAT-DS-02388; Rev No. (Drawing - 57)
- LAT-TD-02391; Rev No. (PL - 56)
- LAT-DS-02830; Rev No. (Dwg/PL - 53)
- LAT-DS-02831; Rev No. (Dwg/PL - 52)
- LAT-DS-02588; Rev No. (Dwg/PL - 51)

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT/09 GLAT1836

ξ (d.2) AS-BUILT Parts List (Work Order / Part-Lot number report) { }

- Top Level; TEM/TPS LAT-DS-01643 {✓}
- TPS Unit; LAT-DS-01482 {✓}
- TPS CCA; LAT-DS-02388 {✓}
- TPS O/P Cable; LAT-DS-02831-01 {✓}
- TPS I/P Cable; LAT-DS-02830-01 {✓}
- TEM Unit; LAT-DS-01481 {✓}
- TEM CCA; LAT-DS-01646 {✓}
- TEM I/P Cable; LAT-DS-02588 {✓}

ξ (e.1) SPEA Test Reports (TR generated only when defect noted – indicate TR #) {✓}

TR# vs. TEM CCA LAT-DS-01646: N/A

TR# vs. TPS CCA LAT-DS-02388: N/A

ξ (g) In-process Inspection Reports (Indicate report # and applicable assy number) {✓}

LAT-DS 01646 # 29234, 29643

(LAT-DS-02388 # 29585, LAT-DS-02830-01 # 29547)

(h) Connector Mate/Demate logs (primarily SLAC - check for GTC logs) N/A

ξ (i) Digital photos on CD ROM (final views, seven total, 2 Meg min.res.) { }

TEM CCA LAT-DS-01646 Bottom Side { } Top Side { }

TPS CCA LAT-DS-02388 Bottom Side { } Top Side { }

¼ view of TEM LAT-DS-01481 { } ¼ view of TPS Unit LAT-DS-01482 { }

¼ view of TEM/TPS Unit LAT-DS-01643 { }

Completed by: Lucilia Martinez

Date: 5-18-05

GTC QA Acceptance:  _____

Date: 5-18-05

SLAC QAR Acceptance:  _____

Date: 5-23-05

GENERAL TECHNOLOGY CORP.
1450 MISSION AVENUE NE
ALBUQUERQUE 87107
UM 61666

SHIPPER
SHIPPER NUMBER F17301.4
SALES ORDER NUMBER F17301
SHIP DATE 05/18/05
PAGE 1

S 15356
O SLAC
L ACCOUNTS PAYABLE
D 2575 SAND HILL RD M/S85
MENLO PARK, CA 94025
T
O

B 15356
I SLAC
L ACCOUNTS PAYABLE
L 2575 SAND HILL RD M/S85
MENLO PARK, CA 94025
T
O

FOB: DEST TERMS: NET 30 DAYS FRT: PREPAID AND ADD

CUSTOMERS PO: 0000053627 RESALE.NO:

LI# ORDER/QTY UM PART/DESCRIPTION UNITS/PKG SHIP QTY LOT NO

Special Inspection is required.

1	22	EA	LAT-DS-01643 ASSY, UNIT-TEM/TPS S/N: GT109 GLAT1836. QTY DUE...: 14	52	1.00	1	129864
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SHIP VIA: UPSR
WAYBILL#:

Certificate of Conformance

General Technology Corporation hereby certifies that all items in this shipment have been produced, inspected, and found to be in compliance with all applicable customer/military specifications and standards, drawings, and purchase order requirements. All documents utilized were to the latest revision in effect on the date of this order, and/or as specified by the buyer. Substantiating records are on file subject to review upon request.

Cecilia Martinez (GTC) 5/18/05
Quality Assurance Signature and Date

SHIP TO: SLAC
2575 SAND HILL ROAD
MENLO PARK, CA 94025

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

4

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

PCNA LAT-DS-01643
7, UNIT-TEM/75

W.O. # 113278
REV. # 01
DATE 11-26-05
BY 113111-05
000001627

CUST #
QTY 1
PROJECT # 17301
CUC # 15384

SERIAL NUMBER -----
GT109 G-HAY1836

APPROVAL:---
PROD: KH/S-30/5
CA/S-3-05

WORKMANSHIP:-----
IPC/EIA-3-STD-2010 CLASS 3. WITH 'CS' SPACE SUPPLEMENT
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

WJL 02 02.05-----

LINE DEPT MACH# OP# DESCRIPTION SET-UP RUN... HOURS LINE-MACH ST-LOT



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV ED/PL OUTSTANDING EO'S
ASSY DWG: LAT-DS-01643 53 NONE
BOM PL: (SAME - ON DWG)
CUST SOW: LAT-PS-02615/03078 03 NONE
VIBE/TC: (NOT APPLICABLE; WAS SK-282, SOW DELETED QTC DO.)
ASSY AID: LAT-DS-01643 (RELEASED PER EC 2479)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
* SEE LAST PAGE OF WO (FOOTER) FOR TRAVELER REV/CHG RECORD *

DATE	QTY	REMARKS	STATUS
5/3/05			<u>[Signature]</u>



1 200 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

PROCESS MATERIAL PER CAA STEP 2.

DATE	QTY	REMARKS	STATUS
5/11/05	1		<u>[Signature]</u>

SENSITIVE

1/275 LAT-DS-01648
BY: UN17-TEM/TPS

NO# 1153333
RPO# 0153333
RPN# 0153333
RPP# 0153333
RPS# 0153333
RPT# 0153333
RPU# 0153333
RPL# 0153333
RPM# 0153333
RPN# 0153333
RPP# 0153333
RPS# 0153333
RPT# 0153333
RPU# 0153333
RPL# 0153333
RPM# 0153333

CUST # 1
PROJECT # 1033331
CUST # 1033331
CUST # 1033331

LI# DEPT MAT# OP# DESCRIPTION SET-UP RUN... HOURS LINE-MACH ST-LOT



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL SCREWS JOINING
THE TEM & TFG BOX ASSYS.

* PROCESS ASSY PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
5-17-05	1	INSTALL SCREWS	AP



4 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS.

* PROCESS ASSY PER CAA STEP 4.

-- ALERT SLAC CAR TO WITNESS TORQUE PROCESS.--

* RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW

TORQUE TOOL # GTC-A-977

GTC-E-914 CAL DUE DATE: 1-26-06

DATE	QTY	REMARKS	STATUS
5-17-05	1	Torque 30 in lbs.	PD. 1946

DATE	QTY	REMARKS	STATUS
5-17-05	1	WITNESS TORQUE	



5 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT READS.

* PROCESS ASSY PER CAA STEP 5.

* RECORD MATERIAL DATA BELOW

ADMSV 0151; GTC POW 31403 EXPIRATION DATE 1-31-07

CHD DATE/TIME: START 8:00 STOP 10:00

DATE	QTY	REMARKS	STATUS
5-18-05	1		PD 1946

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

PN# LAT-DS-31(4)
Assy. UNIT-TM/TP9

NO# 113008
REQ# 05-06-03
REL# 04-21-03
VOR# 17301
W# 000009627

CUST #
QTY
PROJECT # 17301
COST# 16300

DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN... LINE-MACH ST-LOT



6 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-0 ASSY-122

PROCESS ASSY PER CAA STEP 6

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS..... STATUS

5/18/05 1



7 250 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE BOX JOINING
AND EID PACKAGE

PROCESS ASSY PER CAA STEP 7.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

UPON ACCEPTANCE, ADDITIONALLY INDICATE BY STAMPING THE
END-ITEM-DATA PACKAGE ON THE CHECKSHEET (FORM GTC-129).

DATE... QTY... REMARKS..... STATUS

5.18.05 1 OK TO SHIP
W/O EIDP PER
GUNTHER MILLER



8 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-0 ASSY-122

PROCESS ASSY PER CAA STEP 8.

COLLECT AND ROUTE COPIES OF END-ITEM DATA PACKAGE
WITH UNITS FOR DELIVERY TO SHIPPING.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS..... STATUS

5/18/05 1



WORK CELL: 1-BIG KUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

AIRK ORDER TRAVELLER - NEW

// P/B LAC-26-01643
ASSY. LINE-DEM/OPS

NO# 113228
REQ DATE 08-08-08
REL DATE 04-21-08
SC# F17301
PO# 0000083627

CUST PO QTY
PROJECT# F17301
PDSO# 16356

PAGE 4

LINE DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN LINE-MACH ST-LOT



F 299 00 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACKAGING/SHIPPING

* PROCESS ASSEMBLY PER UAA STEP 9.

DATE..... QTY... REMARKS.....
5-18-05 1 _____ *STATIS*
_____ _____ *3-20-08*

***** TRAVELER REVISION HISTORY RECORD *****

CREATED BY: FOR ASSY REV. DATE:
REPAIRIN 03 04.20.06
ASSY CHG CHG
REV BY DATE CHANGE DETAIL
53 OLM 040606 UPDATED FOR UNITS 4 THRU 22.

*****END OF TRAVELER REVISION RECORD*****

WORK ORDER 11015
 REVISED BY LAT-05-01049
 PART NO. 1
 LOCATION: ROZ

WORK ORDER PICK LIST
 BY LINE ITEM

EFFECTIVITY DATE: 05-03-05
 RELEASE DATE 04-11-05
 DATE PRINTED 05-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS QUANTITY	CURR STATUS	REQD QUANTITY	SEEV IN LOT #	INVOICE NUMBER	INVENTORY DETAIL		
								QUANTITY	LOT TYPE	BIN
0	LAT-05-01049 SCREEN, SMTD CAP 321X-01 ORIGINAL QUANTITY...	EA	40.00	RSVD	40.00	120307	SKCP2 FN-D3 PULLED:	40	05-11-07	IN BSSY
0	0101 ADDRESS: WYSCW 400 W47 ORIGINAL QUANTITY...	CE	1.00	SO	1.00		SKCP2 FN-D3 PULLED:	01		

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

17

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

//P/N# LAT-DS-01482
//M. GLAST: DAO. TTS

NO# 112109
REQ DATE 06-06-05
REL DATE 04-20-05
SOS F17300
POS 0000048900

CUST P#
CITY 1
PROJECT# F17300
CUST# 15556

*SERIAL NUMBER -----
G-T109 GLAT1817

*****APPROVAL*****
PROD: BH / 5-3-05
CAPM: 5-3-05

WORKMANSHIP-----
IPC/EIA-3-STD-0010 CLASS 3: WITH 'CS' SPACE SUPPLEMENT
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

*gln 09 38 04-----

LINE MACH# QTY DESCRIPTION..... K O U R S
SET-UP RUN... LINE-MACH ST LOT



1 300 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV PD/PL OUTSTANDING DO'S
ASSY DWG: LAT-DS-01482 55 NONE
BOM PL: (SAME - CN DWG)
CUST SOW: LAT-PS-03078 03 NONE
ESS TEST: (N/A THIS LEVEL)
ASSY AID: LAT-DS-01482 (RELEASED PER EC 2477)
CUSTOMER NAME: SLAC STANFORD LINEAR ACCELERATOR CENTER
BUILD DOCUMENTS
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
***** SEE FOOTER OF WORK ORDER FOR REV HISTORY *****

DATE... QTY... REMARKS..... STATUS

5-3-05 _____ _____ _____



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

* PROCESS MATERIAL PER CAA STEP 2.

DATE... QTY... REMARKS..... STATUS
5/19/05 1 _____ _____ _____

ESD SENSITIVE

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

WO# 112209
REG. DATE 05-06-05
ASSY BLAST. DAD. 199

REL. DATE 04-30-05
COST# F17300
PROJECT# 18356

CUST. # 1
COST# 18356

LINE DEPT MACH# OP# DESCRIPTION..... K O U S S
SET-UP RUN... LINE-MACH ST-LOT



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
APPLY ADHESIVE

- PROCESS ASSY PER CAA STEP 3.
- RECORD ADHESIVE DATA BELOW:

JTC PO# 32131 EXP. DATE 10-1-05
 LOT # (PT A) 32775 (PT B) 32775
 MIX RECORD (PART A WGT) 15g (PART B WGT) 1g

DATE	QTY	REMARKS	STATUS
<u>5/14/05</u>	<u>1</u>	<u>Applied adhesive</u>	<u>SC-1587</u>



4 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
LOG CCA SN TO WORK ORDER
INSTALL CCA TO BOX

- PROCESS ASSY PER CAA STEP 4

INSTALLED CCA SERIAL NUMBER: ~~6147-1517-GT109-LAT-DS-01487~~ LAT-DS-02388 GT-109 GLA1179 1835-1805

DATE	QTY	REMARKS	STATUS
<u>5/16/05</u>	<u>1</u>	<u>Install</u>	<u>SC-1587</u>



5 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
TORQUE FASTENERS

- PROCESS ASSY PER CAA STEP 5
- ALERT SLAC QAR TO WITNESS TORQUE PROCESS...
- RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.

TOOL # 977-E-95112 CAL DUE DATE 8/05
 977-E-914 CAL DUE DATE 8/05

DATE	QTY	REMARKS	STATUS
<u>5/16/05</u>	<u>1</u>	<u>Torque ISO 1102</u>	<u>SC-1587</u>
<u>5/16/05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

BY: J. CLARK, DAD. 178

WIP# 113009
WORKING DATE 05-06-05
WORKING TIME 11:20:00
WOM# 0000148800

CUST PO
PROJECT QTY 1
COST# 717100
COST# 18355

LINE DEPT MACH# OP# DESCRIPTION... HOURS
SET-UP RUN... LINE-MACH ST-LOT



6 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL J2

- * PROCESS ASSY PER CAA STEP 6.
- ** ALERT SLAC CAR TO WITNESS TORQUE PROCESS **
- * RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.

TOOL # ETC-E-95112 CAL DUE DATE 8/05
GTC-E-944 CAL DUE DATE 8/05

DATE	QTY	REMARKS	STATUS
<u>5/16/05</u>	<u>1</u>	<u>94 IN. OZ</u>	<u>SC-1587</u>
<u>5-16-05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	<u>CA</u>



7 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
SECURE J2 HARNESS

- * PROCESS ASSY PER CAA STEP 7.

DATE... QTY... REMARKS... STATUS
5-16-05 1 PERFORMED AT LOWER ASSY. TO SECURE HARNESS TO BOARD JAD E2018



8 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL J1 TO LID

- * PROCESS ASSY PER CAA STEP 8
- ** ALERT SLAC CAR TO WITNESS TORQUE PROCESS **
- * RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.

TOOL # ETC-E-95112 CAL DUE DATE 8.05
GTC-E-944 CAL DUE DATE 8.05

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>	<u>INSTALL 94 TORQUE</u>	<u>CA</u>

WORK CELL: 1-BIG ROOPER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

1/20# LAT-DS-01400
...V, GLAST, DAO, T20

WCS 112209
REQ DATE 09-08-03
REL DATE 04-20-03
PO# F17300
PO# 0000148900

CUST #
CITY
PROJECT# F17300
CUST# 15356

LI# DEPT MACH# QTY DESCRIPTION... HOURS
SET-UP RUN... LINE-MACH ST-LOT



9 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS & CCA

• PROCESS ASSY PER CAA STEP 9.

• RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE/TIME: START 11:30 am STOP 1:30 pm

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>AB 2018</u>



10 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE J2 HARDWARE

• PROCESS ASSY PER CAA STEP 10.

• RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE/TIME: START 11:30 am STOP 1:30 pm

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>AB 2018</u>



11 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE J2 CABLE TIES

• PROCESS ASSY PER CAA STEP 11

• RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE/TIME: START 11:30 am STOP 1:30 pm

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>AB 2018</u>

MARK BELL, 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

/D/W: LAC-DS-01491
W/W: CLAST, DAO, 129

WOB 112203
REC DATE 05-06-05
REL DATE 04-20-05
SOS 217300
POS 0000048800

CUST PA QTY
PROJECT# 1
CUST# 1035R

LINE DEPT MACH# OP# DESCRIPTION..... H Q U A S
SET-UP RUN... LINE-MACH ST-LOT



12 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE J1 HARDWARE

* PROCESS ASSY PER CAA STEP 12.

* RECORD MATERIAL DATA BELOW:

ACHSV 0194: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 AM STOP- 1:30

DATE	QTY	REMARKS	STATUS
5-16-05	1		AP



13 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
MARKING (SN LABEL)

* PROCESS ASSY PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
5-16-05	1	MARKING	AP



14 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLOR-C ASSY-227

* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
5/16/05	1		AP



15 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE ASSY PRE-CLOSE

* PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
5-16-05	1	GLAT 1817	



WORK CELL 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY: GLAST. DAO. 178

NO 113009
DATE 05-05-05
TIME 14:00
JOB 0000000000

CUST # 1
PROJECT 1
COST# 103556

PAGE 6

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-LOC



16 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL LID

PROCESS ASSY PER CAA STEP 16.

DATE... QTY... REMARKS..... STATUS
5-16-05 1 enclosed lid P.D. 1946



17 211 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS.

PROCESS ASSY PER CAA STEP 17

ALERT SLAC QMR TO WITNESS TORQUE PROCESS...

RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

TOOL # GTC-E-951 CAL DUE DATE 8-05
GTC E-944 CAL DUE DATE 8-05

DATE... QTY... REMARKS..... STATUS
5-16-05 1 Torque 117 in-oz P.D. 1946

5/16/05 1 WITNESS TORQUE



18 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-0 ASSY-04

PROCESS ASSY PER CAA STEP 18

RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE... QTY... REMARKS..... STATUS
5/16/05 1

WORK CELL: 4-DIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

ASSY/PN# LAT-DS-01482
ASSY. GLAST. DAO. TFS

WCS 113200
REQ DATE 05-04-05
REL DATE 04-04-05
COST # 113200
CUST# 10000442000

COST # 1
CITY 1
PROJECT# 113200
CUST# 100004

LINE DEPT MACH# OP# DESCRIPTION SET-UP RUN HOURS LINE-MACH ST-LOT



19 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS

PROCESS ASSY PER CAA STEP 19.

RECORD MATERIAL DATA BELOW.

ADHSV 0181, STC PC# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 3:00 STOP- 5:00

DATE... QTY... REMARKS... STATUS
5/16/05 1 [REMARKS] AP



20 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPEI SLDG-0 ASSY-40

PROCESS ASSY PER CAA STEP 20.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS... STATUS
5/17/05 1 [REMARKS] [STATUS]



21 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CUSTOMER SOURCE INSP

PROCESS ASSY PER CAA STEP 21.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS... STATUS
5/17/05 1 GLAT 1817 [STATUS]



5.17.05
REWORK MARKING
5-17-05 AP

TRAVELER REVISION HISTORY RECORD
CREATED BY: _____ FOR ASSY REV: _____ DATE: 042505
REVISION: _____
REV BY DATE CHANGE DETAIL
05 JLM 042505 RELEASED AT REV 05, AND CAA AT REV 05

END OF TRAVELER REVISION RECORD

WEL # 120-02-0146
LOCATION: 901

BY LINE ITEM

EFFECTIVITY DATE: 05-01-04
RELEASE DATE: 05-01-04
DATE PRINTED: 05-12-04

DATE FILLED:

PULLED BY:

LIN	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS			INVOIC	LOT NUMBER	INVENTORY DETAIL				
			QUANTITY	STAT	QUANTITY			RESV IN	LOT	QUANTITY	LOT DATE	BIN
1	120-02-00005 BASE BOX, 120 ORIGINAL QUANTITY...	EA	1.00	ASVD	1.00	121225	SNCF3 FN-1	121225	1	05-01-04	30-07	SLAC
2	120-02-00005 BASE BOX, 120 ORIGINAL QUANTITY...	EA	1.00	ASVD	1.00	121224	SNCF3 FN-2	121224	1	05-01-04	30-07	SLAC
3	120-02-00111 BASE BOX, 120 ORIGINAL QUANTITY...	EA	1.00	BD	1.00		SNCF3 FN-3					
4	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	30.00	ASVD	30.00	115012	SNCF1 FN-4	115012	30	05-01-04	30-07	LOT 115
5	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	30.00	ASVD	30.00	115012	SNCF1 FN-4	115012	30	05-01-04	30-07	LOT 115
6	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
7	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
8	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
9	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
10	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
11	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820
12	MS1352014-4 CORN ORIGINAL QUANTITY...	EA	20.00	ASVD	20.00	115018	SNCF3 FN-6	115018	20	09-07-04	30-07	PN7820

PLY # : LAW-05-01482

BY LINE ITEM

EFFECTIVITY DATE : 01-01-00
RELEASE DATE : 01-20-00
DATE PRINTED : 05-12-00

LOCATION : W02

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	REQUIREMENTS				INVSLOC NUMBER	INVENTORY DETAIL			
		UM	QUANTITY	CURR STATUS	RESV IN LOT #		LOT QUANTITY	LOT DATE	LOT LIFE	BIN/LOC QUANTITY
13	2123-22-0440 JACKPOST, W.P. 1/2" X 1 1/2" X 16A.11 ORIGINAL QUANTITY...	EA	3.00	BO	1 00	SK02 PK-13				
			2.00							

[Handwritten signature]

WORK ORDER: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER: 40124

PAGE 1

FIN# LAT-DS-02388
GLAST, 175

MO# 112062
REQ DATE 02-10-05
REQ DATE 12-01-02
JOB 0000048600

COST 08
QTY 1
PROJECT# 017000
COST# 13355

SERIAL NUMBER: PT109 GLAT1779 APPROVAL: PROD [Signature] 2/10/05
QA [Signature] 2-10-05

WORKMANSHIP: *****
IP/VECA-J-STD-0010 CLASS 3, WITH "03" SPACE SUPPLEMENT
SLAC CAR MAY CHOOSE TO MONITOR/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAR MAY
INDICATE OBSERVATIONS BY STAND MARKING AT THE STEP.
*qlh 02 07.05*****

LINE DEPT MACH# QTY DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-LOT



1 201 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIR

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV PD/PL OUTSTANDING 20'S
ASSY LSG: LAT-DS-02388 5825 NONE
BOM 751: LAT-DS-02391 06 NONE
CUST SCH: LAT-DS-03078 03 NONE
ESS TEST: N/A
ASSY AID: LAT-DS-02388 (RELEASED PER EC 00921)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*REV'D/PREP'D BY: CH (DATE)DATE: 02.07.05

9AB 4-28-05

DATE... QTY.. REMARKS... STATUS

2/10/05 _____ [Signature]



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS

- PROCESS PER CAA STEP 2.
- ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM.
- ALL OTHER PARTS ROUTE TO SECOND ASSY.

2/10/05 _____ [Signature]

[Handwritten notes]
ESD SENSITIVE

WORK CTR: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

CAAA/ENR/LAT/DC-02388
CAA, CLAS: 090

NO 112062
DATE 01-10-05
DATE 12-01-05
0000048800

CUST #
QTY
PROJECT
CUST#
0000048800

DEPT MACHINE OPER DESCRIPTION SET-UP RUN... HOURS LINE-MACH ST-LOT



3 213 00 CAA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
MARK STD SN

PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-11-05	1		RF



4 213 00 SMT ASSY LINE 0.0000 0.0000 0.0000
PRE-SMT BAKEOUT

PROCESS PER CAA STEP 4.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 2-11-05 START: 12:12 STOP: 12:13

DATE	QTY	REMARKS	STATUS
2-11-05	1		RF



5 213 00 SMT ASSY LINE 0.0000 0.0000 0.0000
STENCIL BOTTOM SIDE

PROCESS PER CAA STEP 5.

RECORD SOLDER PASTE DATA BELOW:

GTC NO: 31728 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2-11-05	1		RF 186



6 213 00 SMT ASSY LINE 0.0000 0.0000 0.0000
PICK-N-PLACE PARTS

PROCESS PER CAA STEP 6

DATE	QTY	REMARKS	STATUS
2-11-05	1		RF

Handwritten notes at the bottom left.

207 - 1077 210 - 1073
 208 - 1078 211 - 1070
 209 - 1076 212 - 1071
 213 - 1073
 213 - 1079 Sum = 10824
 213 - 1076 Avg = 1074
 213 - 1072

Handwritten notes on the right side: "Also... 2/17/05"

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

WVA LAT-DS-02388
CAA: GLAST, TPS

NO# 112062
REQ DATE 02-10-05
REL DATE 12-01-04
JOB# 0000046600

CUST #
PROJ# 117300
COST# 15356

PAGE 3

LINE DEPT MACH# OP# DESCRIPTION..... SET-UP RUN HOURS LINE-MACH ST-LOC



7 213 00 SMT ASSY LINE
SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
2/17/05	1		PS



8 213 00 SMT ASSY LINE
AQUEOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 8

DATE	QTY	REMARKS	STATUS
2/17/05	1		PS



9 213 00 QUALITY ASSURANCE AREA
SPE: SLDR-125# ASSY-1643 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 9:

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DATA(S)

DATE	QTY	REMARKS	STATUS
2/17/05	1		677



10 213 00 SMT ASSY LINE
SOLDER PASTE STENCIL
TOP SIDE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 10.

* RECORD SOLDER PASTE DATA BELOW:

LOT NO# 31928 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2/18/05	1		etc

L6 = .1078

D566 = .0077

347 = .0072

D610 = .0072

C660 = .0076

D7 = .0072

Solder Paste Data Top Side

Sum = .0445

Avg = .0074

Range = .0008

- Mean points
taken by:
Alin 15/05
2/18/05

WORK CELL: 4-MIXED

CUSTOMER: GLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

App/FNR LAT:05-03388
CDA, GLAST, 175

NO# 112145
REQ DATE 04-10-05
REL DATE 04-01-04
PO# 0000048807

CUST #
PROJECT# 117300
CUST# 15356

PAGE 4

LINE DEPT MACH# OP# DESCRIPTION... HOURS
SET-UP RUN... LINE-MACH ST-LOT



11 213 00 SMT ASSY LINE PICK-N-PLACE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 11.

DATE	QTY	REMARKS	STATUS
2/2/05	1	T211	24



12 213 00 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 12.

DATE	QTY	REMARKS	STATUS
2/2/05	1		24



13 213 00 SMT ASSY LINE AQUEOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
2/2/05			24



14 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPT: 810R-1421 ASSY-742

* PROCESS PER CAA STEP 14.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

Defect(s): 29585

DATE	QTY	REMARKS	STATUS
2/3/05	1		3/5/05

de 1000 1000 1000 1000
wrong fol. Q699 1000 1000

03/05/05 Installed Q699 correct
By: [Signature]

ASSY/PN# 1AT-DR-02388
CCA: GLASG, 798

WOT# 112062
REQ. DATE 02-10-05
REV. DATE 12-31-04
PC# 0000048600

CUST P#
PROJECT# 717500
CUST# 19399

LINE DEPT MACH# CP# DESCRIPTION..... H O U R S
SET-UP RUN... LINE-MACH ST-LOT



15 010 00 CCA/BLACK BOX ASSY AREA
TIN THRU-HOLD PARTS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 15.
- ** SPECIAL IN-PROCESS QA EXAMINATION OF IC LEAD PREP AND SOLDER WIRE PREP.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

CAR#(S)

DATE	QTY	REMARKS
3/14/05	1	Twisted Parts
3/14/05	1	Twisted Leads

03/10/05 Installed D500. ¹²⁸⁸ ^{BYF} 03/10/05
 3/14/05 wires stopped HG.#1941
 3/14/05 inspect thru wires at 1st pin line
 3/15/05 wires stopped HG.#1941
 3/15/05 25 inspect 2nd pin wires
 STATUS 3/15/05 final 2nd pin end HG.#1941
 3/15/05 25 inspect thru wires
 3/15/05 25 twisted thru wires



15 010 00 CCA/BLACK BOX ASSY AREA
MECH ASSY - HTSNKS/VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 16.
- * RECORD ADHESIVE DATA BELOW:
GTC PO# 31450 EXPIRATION DATE 05-17-05
- * RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW
TOOL # GTC-A-985 CAL DUE DATE 06-28-05

DATE	QTY	REMARKS	STATUS
03/05/05	1		BYF



17 010 00 CCA/BLACK BOX ASSY AREA
TERMINATE VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 17.
- | DATE | QTY | REMARKS |
|----------|-----|---------------------------|
| 03/16/05 | 1 | shipped 2 twisted wires |
| 3/16/05 | 1 | inspection of Duplication |
| 03/16/05 | 1 | terminated wires for VRS. |

← special in-process
 QA Examination of
 wires
 ME 4-7-05
 BYF
 03/16/05

WORK CELL 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

ASSY/FIN# LAC-06-0236A
CAA, GLAST. 229

NO# 112050
REC DATE 02-11-05
REL DATE 12-01-04
JOB# 0110046601

CUST OPS
PROJECT# P17300
CUST# 12355

LINE DEPT MACH# OP# DESCRIPTION..... SET-UP RUN HOURS ST-LOI



18 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER A1, A2

* PROCESS PER CAA STEP 18.

DATE	QTY	REMARKS	STATUS

move to

*install & solder to
step 26.
ME 4-7-05*



19 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER 10 WIRES

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
03/16/05	1		1992 BLP



20 00 QUALITY ASSURANCE AREA
OP# SLD-70 ASSY-41

* PROCESS PER CAA STEP 20.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DAR#(S):

DATE	QTY	REMARKS	STATUS
3/17/05	1		BLP



21 210 00 CCA/BLACK BOX ASSY AREA
MECH ASSY-BOTTOM ICS

* PROCESS PER CAA STEP 21.

* RECORD ADHESIVE DATA BELOW:

STD NO: 31450 EXPIRATION DATE 05/17/05

* RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW

TOOL: GTC-A-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
03/17/05	1		1992 BLP

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

ASSY/EN# 1AT-DS-02386
CAA: GLAST, TDS

WQ# 112062
REQ DATE 04-10-05
REL DATE 12-01-04
JOB#
PO# 0002048800

CHST PR
CITY 1
PROJECT# 217300
CUST# 18356

LINE DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN LINE-MACH ST-LOC



22 310 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER WIRES-TDS

* PROCESS PER CAA STEP 22.

DATE	QTY	REMARKS	STATUS
03/17/05	1		ByP



23 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPS: SLDR-35 ASSY-23

* PROCESS PER CAA STEP 23.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DAR#(S):

DATE	QTY	REMARKS	STATUS
3/17/05	1		ByP



24 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER Q504, Q604

* PROCESS PER CAA STEP 24.

** RECORD ADHESIVE DATA BELOW:

OTC PO# 31450 EXPIRATION DATE 05/17/05

DATE	QTY	REMARKS	STATUS
03/17/05	1		ByP



25 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER CAPS

* PROCESS PER CAA STEP 25.

DATE	QTY	REMARKS	STATUS
03/18/05	1		ByP

WDAF 0010 4 MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/INA LAT-DS-02884
CCA, SLAST, T98

WOT 112062
REQ DATE 02-10-05
REQ DATE 12-01-04
PC#
PC# 0000048800

CUST P#
PROJ# 1
CUST# 18354

PAGE 8

LI# DEPT MACH# Q# DESCRIPTION H O U R S
SET-UP ROW... LINE-MACH ST-LOT



26 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER P R 1
* PROCESS PER CAA STEP 26. R1 + R2 ME 4-7-05

DATE... QTY... REMARKS... STATUS
03/18/05 1 EYP



27 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OYE: SLAC-70 ASSY:38

* PROCESS PER CAA STEP 27
** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DAF#(S)

DATE... QTY... REMARKS... STATUS
3/13/05 1



28 265 00 SPCA ICT 0.0000 0.0000 0.0000
SPCA TEST

* PROCESS PER CAA STEP 28:
** RECORD TEST DEFECT RECORD REPORT NUMBER(S) BELOW

TERR#(S)

DATE... QTY... REMARKS... STATUS
3/18/05 1 SN: GT109 dlc PASSED



29 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER IF CABLE
SOLDER 1/3-ROW 1-CHECK 3/14/05
SOLDER 1/3-ROW 2-CHECK

* PROCESS PER CAA STEP 29:
Solder 1/3-ROW 3-CHECK 3/14/05
37 check ME 3-9-05

DATE... QTY... REMARKS... STATUS
03/19/05 1 soldered row 1 EYP
03/19/05 1 soldered row 2 EYP
03/19/05 1 soldered row 3 EYP

MIRK CELL- 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/DNA LAT-US-02369
CUN, SLAC, 195

WOB 112692
MFG DATE 02-10-09
MFG DATE 02-01-04
COST 0000248800

CUST PA
QTY
PROJECT#
COST#

PAGE 9

LINE DEPT MACH# QTY DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-LOT



30 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER O/P CABLE
SLDR O/P-ROW 1-CHECK
SLDR O/P-ROW 2-CHECK
SLDR O/P-ROW 3-CHECK
SLDR O/P-ROW 4-CHECK

2/19/05
2-19-05
3/21/05
3/21/05



* PROCESS PER CAA STEP 30.

DATE... QTY... REMARKS... STATUS
03/19/05 1 Soldered row 1. Byp
03/19/05 1 Soldered row 2. Byp
03/19/05 1 Soldered row 3. Byp
03/21/05 1 Soldered row 4. Byp



31 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DEF: SLDR-99 ASSY-107

* PROCESS PER CAA STEP 31.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DR#(S)

DATE... QTY... REMARKS... STATUS
3/21/05 1



32 200 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
HANDS CLEAN

* PROCESS PER CAA STEP 32.

DATE... QTY... REMARKS... STATUS
03/21/05 1 Byp

KOBY TEL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

ACTY/EN# LAT-DS-02222
CCA, STAST, TFS

WO# 112062
REQ DATE 02-10-05
REQ DATE 12-01-04
SC#
PC# 0000048800

COST #
CITY
PROJECT#
DUST#
12170000
12170000
12170000

DI= DEPT MACH# OP# DESCRIPTION..... SET-UP RUN... LINE-MACH ST-LOT:



33 250 00 COATING/POTTING AREA
PO# WITH RTV - CABLE
DC6-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 33.

RTV DC6-1104; UTC PO# 31695 EXPIRATION DATE 2-10-05

SEE ADHESIVE 0151 APPLICATION FOR CURE DATA

DATE....	QTY..	REMARKS.....	STATUS
<u>3-22-05</u>	<u>1</u>		<u>KH</u>



34 210 00 CCA/BLACK BOX ASSY AREA
STAKE WITH RTV - VPS
DC6-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 34

** REQUIRED INSPECT RECORD RESET ~~PROCESSING~~ 3/1/05

3/1/05 RTV DC6-1104 PO# 31695 EXP. DATE: 2-10-05

DATE....	QTY..	REMARKS.....	STATUS
<u>3-22-05</u>	<u>1</u>		<u>KH</u>



35 210 00 CCA/BLACK BOX ASSY AREA
POTTING/STAKING ICS 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 35

RTV DC6-1104 PO# 31693 EXP. DATE: 2-10-05

DATE....	QTY..	REMARKS.....	STATUS
<u>3-22-05</u>	<u>1</u>		<u>KH</u>

FORM PELL 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

AGSY/IN# 127-DS-02388
CWA: SLAC, 178

MO# 112042
REQ DATE 02-10-05
REL DATE 12-01-01
SO#
PO# 0000046800

CUST #
QTY 1
PROJECT# F17300
CUST# 18156

PAGE 11

LINE DEPT MACH# QTY DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-LOT



36 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE HARDWARE - NUTS,
WASHERS, STUDS, SCREWS

* PROCESS PER CAA STEP 36.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE 3-22-05 START 4:30 STOP 6:30

DATE... QTY... REMARKS..... STATUS
3-22-05 1 104



37 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/STAKE SUPPORTS

* PROCESS PER CAA STEP 37.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE 3-22-05 START 4:30 STOP 6:30

DATE... QTY... REMARKS..... STATUS
3-22-05 1 104



38 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE COMPONENTS - G550,
G650, P2-FS

* PROCESS PER CAA STEP 38.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE 3-22-05 START 4:30 STOP 6:40

DATE... QTY... REMARKS..... STATUS
3-22-05 1 104

WCSM CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 12

ASSY/PIN# LA7-DS-02383
CCR, GLAST, 193

WQ# 112062
REQ DATE 02-10-05
REL DATE 12-01-04
SOC
PO# 3000048800

CUST Pa
CITY
PROJECT# 1117800
CUST# 10301

LINE DEPT MACH# CPH DESCRIPTION HOURS
SET-UP RUN LINE-MACH ST-LOT



39 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE INDUCTORS

* PROCESS PER CAA STEP 39.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE 3-22-05 START 430 STOP 630

DATE	QTY	REMARKS	STATUS
3-22-05	1		KH



40 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE CAPACITORS

AND R22, R1 & R2

949 4-28-05

* PROCESS PER CAA STEP 40.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE 3-22-05 START 430 STOP 630

DATE	QTY	REMARKS	STATUS
3-22-05	1		KH



41 231 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE 6LDR-0 ASSY-87

* PROCESS PER CAA STEP 41.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW:

DR#(S)

DATE	QTY	REMARKS	STATUS
3/23/05	1		

WORK CELL: 4-MIXED

CUSTOMER: SLAC

7. PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

WIP/PIN LAT-05-12388
CCR: SLAC 129

W.O.# 112043
WIPQ DATE 03-10-05
WIPQ DATE 12-01-04
PC# 0000048500

CUST #
QTY
PROJECT# P17300
COST# 13354

LI# DEPT MACH# CR# DESCRIPTION SET-UP HOURS
RUN... LINE-MACH ST-LOT



42 290 00 SOURCE INSPECTION
SLAC QAR INSPECTION - MIP 0.0000 3.0000 0.0000

* PROCESS PER CAA STEP 42.
(SOA MANDATORY INSPECTION POINT - MIP)

DATE... QTY... REMARKS... STATUS
3-21-05 1 SLAT 1779



43 299 00 PACKAGING/SHIPPING INSP
PACKAGE & SHIP CCA FOR
TEST @ CUSTOMER. 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 43.

DATE... QTY... REMARKS... STATUS
3-23-05 1

LAB E248



44 297 00 QUALITY ASSURANCE AREA
RECEIVING INSPECTION 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 44.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW:

DRR#(S):

DATE... QTY... REMARKS... STATUS
5/9/05 1



45 290 00 SOURCE INSPECTION
SLAC QAR PRE-COAT INSP
MANDATORY INSPECTION
POINT BEST POINT 0.0000 3.0000 0.0000

* PROCESS PER CAA STEP 45.

DATE... QTY... REMARKS... STATUS
5/9/05 1 SLAT 1779



WORK CELL: 4-MIXED

CUSTOMER: STAF

TO: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

ASSY/PN# LAT-03-03008
CAA, BLAST, 079

WOB 112062
REQ DATE 02-10-05
REL DATE 12-01-04
C# 0
PC# 0000048800

CUST #
QTY
PROJECT# P17300
CUST# 18386

LINE DEPT MACH# QTY DESCRIPTION: HOURS
SET-UP RUN LINE-MACH ST-LOT



46 210 00 CCA/BLACK BOX ASSY AREA
HAND CLEAN AND TEST
THE CLEANLINESS OF CCA.
ATTACH RESULTS REPORT TO
THE TRAVELER/WO. 0.0000 0.0000 0.0000

- * PROCESS CAA PER CAA STEP 15.
- * ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
5/10/05	1		INTM-102



47 290 00 QUALITY ASSURANCE AREA
OFF. BLOR-0 ASSY-7 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 47.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR(S)

DATE	QTY	REMARKS	STATUS
5/10/05	1		



48 200 00 COATING/POTTING AREA
BAKE-OUT AND MASK 0.0000 0.0000 0.0000

- * PROCESS CAA PER CAA STEP 48.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 5/10/05 START: 6:00 AM STOP: 7:00 PM

DATE	QTY	REMARKS	STATUS
5/10/05	1	Bake-mask	HN

WORK CELL: 4-MIXED

CUSTOMER: SIAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 15

WASY/PNT LAT-09-22388
COAL GLAST. 2PS

WOB# 112062
REQ. DATE 02-10-05
REL. DATE 12-01-04
PO# 0000048600

CUST # 8
PROJECT# 117300
CUST# 12388

LINE DEPT MACH# OPE DESCRIPTION..... SET-UP RUN HOURS LINE-MACH ST-LOT



49 250 00 COATING/POTTING AREA
CONFORMAL COATING 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 49.

CONFORMAL COATING PO# 31201 EXPIRATION DATE 6/30/05
AIR CURE DATE 5/10/05 START 11:00am STOP 7:00am

DATE... QTY.. REMARKS..... STATUS
5-10-05 1 COAT HU



50 250 00 COATING/POTTING AREA
OVEN CURE/TOUCHUP 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 50.

OVEN CURE DATE 5/11/05 START 7:00am STOP 9:30am
OVEN CURE DATE 5-11-05 START 12:30 STOP 1:30

DATE... QTY.. REMARKS..... STATUS
5/11/05 1 UNMASK TOUCHUP DM



51 450 00 QUALITY ASSURANCE AREA
OPE: SLR-0 ASSY-7 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 51.

REFER TO CAA FOR DOCUMENTATION REQUIREMENTS TO ATTACH OR
ADVANCE WITH THIS WORK ORDER. ITEMS MAY, OR WILL, INCLUDE
THE FOLLOWING.

- COPIES OF CERTIFICATIONS...
- SPEA TEST REPORTS...
- INSPECTION REPORTS...
- NON CONFORMANCE REPORTS...
- END ITEM DATA PACKAGE FORMS...
- LOGICAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE... QTY.. REMARKS..... STATUS
5/12/05 1 _____

WORK TYPE: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

PNY/ENR LAT-06-01399
CAA: CLART. 179

WO# 112045
RBO DATE 02-10-05
REL. DATE 10-01-04
SOP
PO# 0000048600

CUST #
QTY 1
PROJECT# 217200
CUST# 15356

LINE DEPT MACH# OP# DESCRIPTION..... HOURS.....
SET-UP RUN... LINE-MACH ST-LOT



00 000 00 SOURCE INSPECTION 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 51

NOTE: NEXT ASSEMBLY IS LAT-06-01482.

DATE..... QTY..... REMARKS..... STATUS
5/12/05 1 GLAT1779



-----APPROVAL:-----
SERIAL NUMBER

PROD: /

QA: /

-----WORKMANSHIP-----
IPN/ENR-J-STD-0010 CLASS 1; WITH 'CS' SPACE SUPPLEMENT
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELLER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.
*gih 02-09-05-----

WORK ORDER 112702

(NE -)

WORK ORDER PICK 1187

PAGE: 1

SBLY # : LAT-DS-02388
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 01-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
									QUANTITY	LOT DATE	BIN
1	LAT-DS-02388 PWB CLAST TPS ORIGINAL QUANTITY...	EA	1.00				SK2 FN-D1		0.00		
				RSVD	1.00	120305	SKCP2	120305	15.00	09-11-07	
2	LAT-DS-02630-01 ASSY. CABLE TPS I/P PWR ORIGINAL QUANTITY...	EA	1.00	BC	1.00		SK2 FN-(D2)	17 J2	0.00		
							SKCP2		0.00		
3	LAT-DS-02465 HEAT SINK TPS ORIGINAL QUANTITY...	EA	4.00				SK2 FN-D3		0.00		
				RSVD	4.00	115014	SKCP2	115014	66.00	09-23-07	
4	LAT-DS-02831-01 ASSY. CABLE TPS O/P PWR ORIGINAL QUANTITY...	EA	1.00	BC	1.00		SK2 FN-(D4)	18 J2	0.00		
							SKCP2		0.00		
	LAT-DS-01855 SUPPORT. CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00				SK2 FN-D21		0.00		
				RSVD	2.00	115020	SKCP2	115020	14.00	09-27-04	F17402
								120308	21.00	09-11-07	IN ASSY
5	LAT-DS-05535 LABEL. SN ORIGINAL QUANTITY...	EA	1.00	BC	1.00		SK2 FN-D22		0.00		
							SKCP2		0.00		
7	NAS1149CN432R WASHER ORIGINAL QUANTITY...	EA	4.00	RSVD	2.00	59293	SK2 FN-D5	59293	6.00	07-31-01	A45
						115016	SKCP2	115016	138.00	09-21-04	LOT 115
8	NAS6710C MTT. 86.5M. PAC ORIGINAL QUANTITY...	EA	19.00	RSVD	19.00	117403	SK2 FN-G	117403	57.00	11-04-04	D2H

M

WORK ORDER : 110002

(NEW)

WORK ORDER PICK LIST

PAGE: 2

ASSEMBLY # : LAT-DS-00000
QUANTITY : 1
LOCATION: W02

BY SAME ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE FULLED: _____

FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVOIC NUMBER	LOT NUMBER	INVENTORY DETAIL			
					RESV IN LOT #	STAT QUANTITY			LOT QUANTITY	LOT DATE	LOT TYPE	BINLOC
8	NAS67106 NUT #6 SM-PAT Cont from prior page	EA	19.00					122955	545.00	02-02-05		
								FN-6				
								122960	910.00	02-02-05		
								FN-6				
								122986	500.00	02-03-05		
								FN-6				
								122987	500.00	02-02-05		
								FN-6				
								SKCF2 44571	18.00	08-19-00	CF3D	
								126770	423.00	10-28-04		
								SKCF2				
9	NAS1352N06-6 SCREW ORIGINAL QUANTITY...	EA	7.00					SK2 FN-D7	0.00			
								SKCF2 115011	7.00	09-27-04		
				RSVD	7.00	115011						
10	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D8	0.00			
								SKCF2 114832	524.00	09-23-04	LOT 145	
				RSVD	4.00	114832						
								SKCF2 115012	712.00	09-27-04	IN ASSY	
11	NAS1149CN632R WASHER ORIGINAL QUANTITY...	EA	19.00					SK2 FN-D9	0.00			
								SKCF2 115010	327.00	09-27-04		
				RSVD	19.00	115010						
12	NAS67104 NUT, HEX. SS PASS, 4-40TRHD ORIGINAL QUANTITY	EA	4.00	RSVD	4.00	122091		SK2 FN-D10	133.00	01-20-05	HW7	
								FN-D10	64.00	02-20-05		
								FN-D10	250.00	01-21-05		
								FN-D10	1000.00	02-04-05		
								FN-D10	210.00	02-07-05		

WORK ORDER : 112061

(NEW)

WORK ORDER PICK LIST

PAGE : 3

ASSEMBLY # : LAI-...-00000
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE : 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL		
			QUANTITY	STAT				QUANTITY	LOT	LOT DATE
12	NAS67104 MUT. HEX. SS. PASS. 4-40THRD Cont from price page	EA	4.00			FN-D10	123397	610.00	02-07-05	
							PULLED:			
						FN-D10	123512	80.00	02-07-05	
							PULLED:			
						FN-D10	123521	155.00	02-07-05	
							PULLED:			
						FN-D10	123532	160.00	02-07-05	
							PULLED:			
						FN-D10	123694	700.00	02-07-05	
							PULLED:			
						SKCF2	115009	31.00	09-27-04	LOT 115
							PULLED:			
13	CV-2946 STV. MUSIL TECH ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D11		0.00		
							PULLED:			
						SKCF2		0.00		
							PULLED:			
14	0151 ADHESIVE; HYSOL 402 KIT ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D12		0.00		
							PULLED:			
						SKCF2		0.00		
							PULLED:			
15	247M-076 TIE CABLE LOCKING PANDEUIT ORIGINAL QUANTITY...	EA	5.00	BO	5.00	SK2 FN-D15		0.00		
							PULLED:			
						SKCF2		0.00		
							PULLED:			
16	5750 CONFORMAL COATING URELANE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D17		0.00		
							PULLED:			
						SKCF2		0.00		
							PULLED:			
17	008-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D13		0.00		
							PULLED:			
						SKCF2		0.00		
							PULLED:			
18	M22759/11-24-9 WIRE 24AWG. WHITE ORIGINAL QUANTITY...	IN	1.00	RSVD	1.00	SK2 FN-D19	46190	1250.00	09-14-00	SK2 K4
							PULLED:			

152069

T

WBLY # : LAT-DS-02388
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL						
			REQUIRED QUANTITY	CURR STATUS			LOT	LOT DATE	BIN	QUANTITY	LOT LIFE	BINLOC QUANTITY	
	WIRE, 24AWG, WHITE Cont from prior page.	IN				SKCP2 118299	17716.00	10-01-04	LOT1152				
19	LAT-DS-04101 HEATSINK ORIGINAL QUANTITY...	EA	2.00			SK2 FN-D20 PULLED:	0.00						
				RSVD	2.00 120304	SKCP2 120304 PULLED:	34.00	09-11-07					
20	ARP461 IC FILTER ORIGINAL QUANTITY...	EA	1.00			SK2 FN-34 VRS PULLED:	0.00						
				RSVD	1.00 114959	SKCP2 114959 PULLED:	17.00	09-27-04					
21	MAX7242CK IC ORIGINAL QUANTITY...	EA	7.00			SK2 FN-36 U6 U7 U8 U10 U15 U17 U18 PULLED:	0.00						
				RSVD	7.00 114961	SKCP2 114961 PULLED:	149.00	09-27-04					
22	5962R9663501VXC IC ORIGINAL QUANTITY...	EA	5.00			SK2 FN-35 U20 U559 U560 U659 U660 PULLED:	0.00						
				RSVD	5.00 120301	SKCP2 120301 PULLED:	5.00	12-16-04	DRY-10				
23	5981040GTXY DIODE ORIGINAL QUANTITY...	EA	7.00			SK2 FN-19 D1 D2 D3 D4 D8 D19 D20 PULLED:	0.00						
				RSVD	7.00 114948	SKCP2 114948 PULLED:	210.00	09-27-04					
24	JANTXVIN4153UR-1 DIODE ORIGINAL QUANTITY...	EA	8.00			SK2 FN-20 D502 D503 D507 D509 D612 D603 D609 D699 PULLED:	0.00						
				RSVD	8.00 114949	SKCP2 114949 PULLED:	224.00	09-27-04					
25	JANTXVIN5808US DIODE 1N5808US ORIGINAL QUANTITY...	EA	8.00			SK2 FN-21 D501 D504 D507 D509 D601 D604 D607 D608 PULLED:	0.00						
				RSVD	8.00 114950	SKCP2 114950 PULLED:	126.00	09-27-04					
26	JANTXVIN6487US DIODE ORIGINAL QUANTITY...	EA	8.00			SK2 FN-23 CR1 CR3 CR4 CR6 TR8 CR9 PULLED:	0.00						



WBLY # : 1AT-DS-02388
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE : 12-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLOC	LOT NUMBER	INVENTORY DETAIL						
			REQD QUANTITY	CURR STATUS	RESV IN QUANTITY			LOT QUANTITY	LOT DATE	LOT LIFE	BIN	QUANTITY		
11	DIODE Cont from prior page.	EA	6.00	RSVD	6.00	114952	SKCP2 114952	148.00	09-27-04					
27	JANTXV1N4106VR-1 DIODE ORIGINAL QUANTITY...	EA	4.00				SK2 FN-24 CR5 D30 D505 D605	0.00						
			4.00	RSVD	4.00	114953	SKCP2 114953	61.00	09-27-04					
28	JANTXV1N4494US DIODE ORIGINAL QUANTITY...	EA	1.00				SK2 FN-26 D600	0.00						
			1.00	RSVD	1.00	114955	SKCP2 114955	14.00	09-27-04					
29	JANTXV1N6485US DIODE ORIGINAL QUANTITY...	EA	1.00				SK2 FN-22 CR2	0.00						
			1.00	RSVD	1.00	114951	SKCP2 114951	11.00	09-27-04					
30	JANTXV1N3439 TRANSISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-81 Q504 Q550 Q550 Q550	0.00						
			4.00	RSVD	4.00	115006	SKCP2 115006	82.00	09-27-04					
31	5962R9582602VXC IC ORIGINAL QUANTITY...	EA	6.00				SK2 FN-38 U1 U2 U21 U22 U501 U601	0.00						
			6.00	RSVD	6.00	120102	SKCP2 120102	134.00	12-16-04	DRY-10				
32	CG8326X103KUS CAP 0.01UF 100V 10% ORIGINAL QUANTITY...	EA	22.00				SK2 FN-4 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100	0.00						
			22.00	RSVD	22.00	114937	SKCP2 114937	375.00	09-27-04					
33	CV8036C104KCS CAPACITOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-6 C550 C557 C650 C657	0.00						
			4.00	RSVD	4.00	114939	SKCP2 114939	308.00	09-27-04					
34	M39006/22-0567A CAPACITOR ORIGINAL QUANTITY...	EA	30.00				SK2 FN-10 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100	0.00						
			30.00											



ASSEMBLY # : LAT-16-02388
QUANTITY :
LOCATION: WC2

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 10-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIREMENTS		REQD QTY	STAT	ASSY IN LOT #	INVLOC	NUMBER	INVENTORY DETAIL				
			REQUIRED	STATUS						LOT	DATE	QUANTITY	LOT LIFE	BIN
14	CAPACITOR Cont from prior page	EA	RSVD	30.00	114941			SKCF2	114941		496.00	02-17-04	30	
35	121085663K251YHTM CAPACITOR	EA		12.00				SK2 FN-13 CS01 CS08 CS10 CS11 CS14 CS40 CS01 CS08 CS10 CS11 CS14 CS40			0.00			
	ORIGINAL QUANTITY...			12.00									12	
			RSVD	12.00	114902			SKCF2	114902		83.00	05-23-04		
36	RX0055 FUSE	EA		2.00				SK2 FN-12 F1 F3			0.00			
	ORIGINAL QUANTITY...			2.00									2	
			RSVD	2.00	114957			SKCF2	114957		46.00	09-27-04		
37	5542L8771002VXA IC	EA		2.00				SK2 FN-37 US04 US04			0.00			
	ORIGINAL QUANTITY...			2.00									2	
			RSVD	2.00	114962			SKCF2	114962		49.00	09-27-04		
38	32766-31 INDUCTOR	EA		12.00				SK2 FN-39 L1 L2 L3 L4 L5 L6 L7 L10 L11 L12 L13 L14			0.00			
	ORIGINAL QUANTITY...			12.00									12	
			RSVD	12.00	114964			SKCF2	114964		215.00	09-27-04		
39	32763-31 INDUCTOR	EA		2.00				SK2 FN-40 L501 L401			0.00			
	ORIGINAL QUANTITY...			2.00									2	
			RSVD	2.00	114965			SKCF2	114965		155.00	09-27-04		
40	1EHNJ597094 TRANSISTOR	EA		3.00				SK2 FN-41 Q10 Q11 Q12			0.00			
	ORIGINAL QUANTITY...			3.00									3	
			RSVD	3.00	114966			SKCF2	114966		97.00	09-27-04		
41	H075CPX000 THICK FILM JUMPER	EA		15.00				SK2 FN-42 R21 R24 R117 R318 R545 R610 R645 R209 R310 R369 R372 R399 R100 R101 R102			0.00			
	ORIGINAL QUANTITY...			15.00									15	
			RSVD	15.00	114917			SKCF2	114917		1618.00	09-23-04		
									114967		756.00	09-27-04		

ASSEMBLY # : LAT-DS-02333
PLANT :
LOCATION: W03

BY LINE ITEM

EFFECTIVITY DATE: 02-10-06
RELEASE DATE: 02-01-06
DATE PRINTED: 02-11-06

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLLOC NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS	RSVD IN LOT #		LOT QUANTITY	LOT DATE	BIN	QUANTITY
42	M55342K09B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-44 R550 R550 PULLED:	0.00			
				RSVD	2.00 114828	SKCF2 114828 PULLED:	44.00	09-23-04		
						114969 PULLED:	225.00	09-27-04		
43	M55342K06B1E21R RESISTOR ORIGINAL QUANTITY...	EA	3.00			SK2 FN-46 R5 R8 R21 PULLED:	0.00			
				RSVD	3.00 114971	SKCF2 114971 PULLED:	127.00	09-27-04		
44	M55342K06B1E37R RESISTOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-47 R25 R28 R51 R52 PULLED:	0.00			
				RSVD	4.00 114972	SKCF2 114972 PULLED:	151.00	09-27-04		
45	M55342K06B1E00R RESISTOR CHIP 100W, 1K OHM ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00 91631	SK2 FN-49 R17 R41 R46 R93 R552 R553 PULLED:	196.00	09-30-03	660	
						SKCF2 114876 PULLED:	1235.00	09-23-04		
						114976 PULLED:	178.00	09-27-04		
46	M55342K06B1F00R RESISTOR CHIP 100W, 1K OHM ORIGINAL QUANTITY...	EA	6.00			SK2 FN-49 R506 R515 R556 R606 R615 R656 PULLED:	0.00			
				RSVD	6.00 114819	SKCF2 114819 PULLED:	60.00	09-23-04		
						114977 PULLED:	217.00	09-27-04		
47	M55342K09B2E01R RES CHIP, 2.00W, 1K, 72W ORIGINAL QUANTITY...	EA	1.00			SK2 FN-50 R200 PULLED:	0.00			
				RSVD	1.00 115091	SKCF2 115091 PULLED:	137.00	09-28-04		
48	M55342K06B2E74R RESISTOR ORIGINAL QUANTITY...	EA	3.00			SK2 FN-52 R71 R75 R77 PULLED:	0.00			
				RSVD	3.00 114960	SKCF2 114960 PULLED:	75.00	09-27-04		

WBLY # : 147-DS-02366
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-09
RELEASE DATE : 12-01-04
DATE PRINTED : 03-11-06

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
					STAT QUANTITY	LOT #				LOT QUANTITY	LOT DATE	BIN
	RESISTOR Cont from prior page	EA		RSVD	1.00	114968		SKCF2	114968	93.00	09-27-04	
64	M55142H06B1B21R RESISTOR ORIGINAL QUANTITY...	EA	4.00					SK2 FN-45 R32 R53 R58 R61		0.00		
			4.00					PULLED:				
				RSVD	4.00	114970		SKCF2	114970	222.00	09-27-04	
								PULLED:				
65	M55142H06B2B21R RESISTOR ORIGINAL QUANTITY...	EA	6.00					SK2 FN-51 R37 R40 R54 R65 R66 R67		0.00		
			6.00					PULLED:				
				RSVD	6.00	114979		SKCF2	114979	449.00	09-27-04	
								PULLED:				
66	M55142K19B10F1R RESISTOR ORIGINAL QUANTITY...	EA	4.00					SK2 FN-63 R543 R544 R643 R644		0.00		
			4.00					PULLED:				
				RSVD	4.00	114920		SKCF2	114920	21.00	09-23-04	
								PULLED:				
								114988	212.00	09-27-04		
								PULLED:				
	M55142K06B1B20R RESISTOR ORIGINAL QUANTITY...	EA	3.00					SK2 FN-61 R16 R15 R46		0.00		
			3.00					PULLED:				
				RSVD	3.00	114989		SKCF2	114989	122.00	09-27-04	
								PULLED:				
68	M55142K16B15E0R RESISTOR,CHIP,100W,15K 0 ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	4305		SK2 FN-52 R15		140.00	09-26-99	838
			1.00					PULLED:				
								SKCF2	114990	93.00	09-27-04	
								PULLED:				
69	M55142K06B1B22R RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-63 R201 R567		0.00		
			2.00					PULLED:				
				RSVD	2.00	114991		SKCF2	114991	242.00	09-27-04	
								PULLED:				
70	M55142K06B20E0R RESISTOR,10K000E ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	17105		SK2 FN-64 R205 R507 R510 R535 R506 R507 R510		300.00	03-23-99	838
			8.00					PULLED:				
								SK2 FN-64 R508 R537 R510 R535 R509 R510 R510		100.00	09-26-00	
								PULLED:				

114992

WORK ORDER : 112042

[NEW]

WORK ORDER PICK LIST

PAGE: 11

WBSY # : LAT-08-02388
PLANT :
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
									QUANTITY	LOT DATE	SIN
	RESISTOR, 20Kohms Cont from prior page	EA					SKCF2	114992	208.00	09-27-04	
								PULLED:			
71	M55342K09B12D1R RESISTOR ORIGINAL QUANTITY...	EA	1.00				SK2 FN-65	R511 PULLED:	3.00		
				RSVD	1.00	114993	SKCF2	114993	137.00	09-27-04	
								PULLED:			
72	M55342K06B22E1R RESISTOR ORIGINAL QUANTITY...	EA	5.00	RSVD	5.00	53590	SK2 FN-65	50590 R14 R45 R512 R566 R612 PULLED:	33.00	12-15-00	550
							SKCF2	50591	10.00	12-15-00	550
								PULLED:			
								114994	272.00	09-27-04	
								PULLED:			
73	M55342K06G33E2R RESISTOR ORIGINAL QUANTITY...	EA	1.00				SK2 FN-67	R666 PULLED:	0.00		
				RSVD	1.00	114995	SKCF2	114995	14.00	09-27-04	
								PULLED:			
	M55342K06B49B5R RESISTOR, 49.9Kohms ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	53542	SK2 FN-68	53542 R27 R12 R598 R599 R698 R699 PULLED:	323.00	03-31-03	516
							SKCF2	114996	265.00	09-27-04	
								PULLED:			
75	M55342K06B61E9R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84266	SK2 FN-69	84266 R667 PULLED:	17.00	04-15-03	524
							SKCF2	114997	144.00	09-27-04	
								PULLED:			
76	M55342K06B100D1R RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	104427	SK2 FN-70	104427 R501 R530 R601 R630 PULLED:	240.00	04-27-04	57H
							SKCF2	114822	345.00	09-27-04	
								PULLED:			
								114998	6.00	09-27-04	
								PULLED:			
77	M55342K06B100E1R RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	13.00				SK2 FN-71	R6 R7 R300 R301 R303 R304 R206 R107 R513 R597 R513 R607 PULLED:	0.00		593



WORK ORDER : 112062

(NEW)

WORK ORDER PICK LIST

PAGE: 13

ASSEMBLY : LAT-DG-C2388
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 01-10-05
ISSUANCE DATE : 12-01-04
DATE PRINTED : 03-11-06

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLOC NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #		LOT QUANTITY	LOT DATE	BIN	QUANTITY
84	JANTXV1N1907AUB TRANSISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-82 C699 C699 PULLED:	3.00			
				RSVD	2.00 115007	SKCF2 115007 PULLED:	82.50	09-27-04		
85	M55342K09B4E99R RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-54 R519 R519 PULLED:	0.00			
				RSVD	2.00 114982	SKCF2 114982 PULLED:	219.00	09-27-04		
86	M55342K06R5E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 6060	SK3 40670 FN-55 R505 R505 PULLED:	44.00	09-07-01	598	
						83259 FN-55 R512 R512 PULLED:	9.00	03-19-03		
						SKCF2 114829 PULLED:	204.00	09-23-04		
						114983 PULLED:	232.00	09-27-04		
87	M55342K09B1C00R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 FN-58 R511 PULLED:	0.00			
				RSVD	1.00 114986	SKCF2 114986 PULLED:	237.00	09-27-04		



General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA PIN: LAT-DS-02388 G-LAT1779 GT109

W.O. #: 112062

CC Tech: HN (Initial / Employee #)

Date: 5/10/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

Lot Number: AK4GB8013A Expiration Date: 6/30/05

MIX RATIOS: 18PBW 5750-A TO 100PBW 5750-B

AIR CURE: 5-10-05 11:00 PM TO 7:00 AM





OVEN CURE: 5-10-05 7:00 AM - 9:30 AM

REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
---------------	----------------------------	---------

ASSEMBLY NAME: TPS CCA	QTY: 1
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APPROVAL <i>(Original signed edition reserved for copying.)</i>							
G. POZZI	4-18-05	G. HEFKIN	4-18-05	K. BERGTHOLDT	4/18/05	P. LUJAN	4-19-05
PREPARED BY	DATE	ENG MGR SUP.	DATE	QA MGR ETH.	DATE	SLAC SOURCE	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: <u>TPS LAT-DS-02388 SN GT- 109 GLAT- 1779</u>	 Byp	04/23/05	
2	OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. NO SOLDER BALLS ALLOWED.	 Byp	05/04/05	
3	AQUEOUS CLEAN USING RECIPE #3	Rsm/267	5/5/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		5/6/05	
5	SOURCE INSPECTION		5/6/05	










REWORK TRAVELER

SO NO: F17300	PART NO: LAT-DS-02388 TPS	REV: 57
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ASSEMBLY NAME: SLAC TPS	QTY: 19
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APPROVAL							
G. Pozzi	4-25-05	G. Hefkin	4-25-05	M. Mora	4-25-05	P. Lujan	4-25-05
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	Source Insp.	DATE










STEP	OPERATION	Operator Sign Off.	Date	Time spent
	RE-NCMR 2323. <i>guz</i>			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792 __ Serial Number <u>GT109 GLAT1779</u>	 <i>BYP</i>	<i>04/05/05</i>	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	 <i>BYP</i>	<i>05/05/05</i>	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	 <i>BYP</i>	<i>05/05/05</i>	
4	TRIM CABLE TIES FLUSH TO THE STRAP HEAD ADD A DROP OF ADHESIVE TO THE CUT STRAP SO THAT THE ADHESIVE FLOWS DOWN INTO THE LOCKING MECHANISM. USE HYSOL 0151 ADHESIVE <i>FOR MIX INSTRUCTIONS REFER TO CAA LAT-DS-02388</i> <i>guz</i>	 <i>BYP</i>	<i>05/05/05</i>	
5	Hysol 0151 data: DATE MIXED <u>05/05/05</u> Expiration Date <u>01/31/07</u> PO# <u>31403</u>	 <i>BYP</i>	<i>05/05/05</i>	
6	Inspection		<i>5/6/05</i>	
7	Source Inspection		<i>5/6/05</i>	

REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388 TPS	REV: 57
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ASSEMBLY NAME: SLAC CCA'S	QTY: ALL
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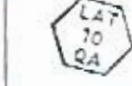
APPROVAL							
G. POZZI <i>G. Pozzi</i>	4-22-05	G. HEFFKIN <i>G. Heffkin</i>	4-22-05	BERGTHOLT <i>Bergtholt</i>	4/21/05	P. LUJAN <i>P. Lujan</i>	4-21-05
PREPARED BY	DATE	ENG MGR	QA MGR	PROD MGR	DATE	SOURCE	DATE

STEP	OPERATION	Operator	Date	Time spent
	NCMR 2305 REMOVE AND REPLACE Q10, Q11, AND Q12			
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>109</u> , GLAT- <u>1779</u>	 Byp	04/22/05	
2	<p>OPERATOR:</p> <p>REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS</p> <p>PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG.</p> <p>KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.</p>	 Byp  Byp  Byp	05/04/05 05/04/05 05/04/05	
3	<p>OPERATOR:</p> <p>VERIFY PADS HAVE NO DAMAGE.</p>	 5/4/05	05/04/05	
3	<p>OPERATOR:</p> <p>SOLDER Q10, Q11, AND Q12 ONTO BOARD</p> <p>USE THE METCAL SOLDERING IRON WITH A .5" BLADE TIP.</p>	 Byp	05/04/05	
4	<p>OPERATOR:</p> <p>HAND CLEAN BOARDS USING ALCOHOL.</p>	 Byp	05/04/05	
5	<p>INSPECTION:</p> <p>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS</p>		5/5/05	
6	SOURCE INSPECTION		5/6/05	

REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
ASSEMBLY NAME: TPS CCA		QTY: 1

APPROVAL					
G. POZZI	4-28-05	G. HEFKIN	K. BERGTHOLDT	P. LUJAN	9-28-05
PREPARED BY	DATE	ENG MGR	DATE	SLAC SOURCE	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>109</u> GLAT- <u>1779</u>		04/28/05	
2	OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40		05/05/05	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		5/6/05	
4	SOURCE INSPECTION		5/6/05	



DEFECT RECORD REPORT

ID: 29545

PART NUMBER: LAT-DS-02388

INSPECTION TYPE: POST REFLOW

OFF SOLDIER: 1421

WORK ORDER: 112062

INSPECTION LEVEL: 1

OFF ASSEMBLY: 786

SALES ORDER: F17300

INSPECTOR: EMARINEZ

DATE: 2/23/2005

QUANTITY: 1 RW QTY: 1

WEEK CODE: 10

CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
109	4	1858	A342		> 25% OVERHANG	L1,4,7	D599
109	4	1858	S407		NON SOLDERED CONNECTION	D8,2,20,4	D2,20, NOISEATED PROPERLY
109	2	1858	S412		< 75% HEEL FILLET AT 10X MAGN	D1,19	

03/05/05 Rework done by BYF

BYF
3/5/05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

ASSY/PN: LAT-DS-02831-01
ASSY, CABLE, IPS O/P PWR

WCR 112044
RBO DATE 02-08-05
REL. DATE 02-02-05
CO#
PO# 0000048800

CUST P#
QTY 19
PROJECT# P17100
CUST# 18356

-SERIAL NUMBER LISTING:-----
N/A

APPROVAL
PROD: 2/18/05
CA: 12/2-1-05

WORKMANSHIP:-----
ANSI-J-STD-001C CLASS B, OTHER
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV & DATE
A ¹	3	N/A	3		mm 2/18/05
B	4	N/A	3	To more	mm 2/18/05
A ²	2	N/A	6	To more	mm 3/18/05
A ^{1B}	2	N/A	7	To more	mm 3/23/05
A ^{1A2}	6	N/A	7	To more	mm 3/31/05

LT# DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV FD/PL OUTSTANDING BO'S
ASSY & PL: LAT-DS-02831 52 NONE
(REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION ROT)
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC
***** BUILD DOCUMENTS *****
USE... TRAVELER AND DRAWING
*REV'D/PREP'D BY: GH (DATE)DATE: 02.03.05

DATE	QTY	REMARKS	STATUS
2-9-05			162



WORK CELL: 4-MIXED

CUSTOMER: SLAC

T: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

A: FNF LAT-09-02831-01
ASSY. CABLE. TFS O/P IWR

W# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
C# 0000048800

CUST #
QTY
PROJECT #
CUST#

LI# DEPT MACH# OP# DESCRIPTION..... SET-UP RUN... H O U R S ST-LOT:



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS/MATERIALS

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

QTY. REMARKS..... STATUS
219105 19
[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02831-01
ASSY, CABLE, TPS O/P PWR

WO# 112044
REQ DATE 02-02-05
REL DATE 02-02-05
SOP
PO# 0000048800

CUST PO
QTY 10
PROJECT# P17300
CUST# 15356

PAGE 3

DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



3 210 00 00A/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000

CUT WIRE, STRIP WIRE,
CRIMP SOCKET CONTACTS,
TIN LEADS.

* CRIMP TEST SETUP - GTC-2081.

CUT 6 PIECES OF WIRE 3 6" TO 9" LONG, FOR FULL TESTS.
USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

* STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...

... USE ~~SMALLER ENERGETIC WIRE STRIPPER~~ SET UP WITH
24 AWG STRIP BLADES. A STRIP LENGTH OF ~~1/16 (128)~~ 3/16 (128)
AND LEAVES THE INSULATION SLOG IN PLACE.

* PRE-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: Rm1970 DATE: 2/16/05 STATUS Pass

350
EUBANKS SMALL MODEL #4900-CAM
Crimp Tensile Strength paper attached
Rm1970

* ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.

2) STRIP THE INSULATION LEAVING THE SLOG, ~~1/16 (128)~~ 3/16 (128)

3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.

* CUT 78 WIRES TO 8-1/2" (8.50") LONG.

4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".

5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.

6) FULL INSULATION SLOG AND CRIMP CONTACT (220) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.

3.16.05 crimp test H.G.#1941 pre-assy
3.17.05 crimp test H.G.#1941 pre-assy
3.18.05 post assy crimp test H.G.#1941

16:41

* POST-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: Rm1970 DATE: 2/16/05 STATUS Pass

DATE	QTY	REMARKS	STATUS
2/15/05	4	78 wires x 4 = 312	Rm1970
3.17.05	2	156 wires	
3/16/05	1	4 wires	

3.22.05 strip, tin, crimp H.G.#1941 (133)

3.27.05 strips H.G.#1941 (815)

3.23.05 crimp, tin, clean H.G.#1941 (492)

3.28.05 tin & clean H.G.#1941 (315)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/PN# LAT-DS-32831-31
ASSY, CABLE, TPS C/P PWR

WO# 112044
REQ DATE 02-08-05
REF DATE 02-02-05
SO#
PO# 0000048800

CUST #
QTY 19
PROJECT# F17300
CUST# 15356

LT# DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDK-78 ASSY-312

- * INSPECT WIRE COUNT, STRIPS, CRIMPS, TINNING, AND CLEANING.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4	78 wires x 4	
3-17-05	2	156 wires	
3/17/05	2	Strip of crimps	

H.B. #1441



5 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSERT WIRE/CONTACTS TO CONNECTOR

- * INSERT TERMINATED WIRES TO CONNECTOR IN ALL POSITIONS.
- ...ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

DATE	QTY	REMARKS	STATUS
2/17/05	4		
3-17-05	2		
3-24-05	2		

checked strips 375 wires 3/22/05
+ 440
Checked crimps & tin 3/24/05
Checked wires for tinning 3/5 Em 574

RM 1970 #6 3-25-05 (6) H.B. #1441



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDK-0 ASSY-78

- * INSPECT LEAD AND CONTACT INSERTION TO CONNECTOR.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4	Inspect step 5	
3/17/05	2		
3/24/05	2		
3-25-05	6	Check socket retention	
4/21/05	5	" " "	

WKR 0015: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

APPLY/PK# LAT-DS-02831-01
ASSY. CABLE, ITS O/P PWR

WOP# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SO#
PO# 0000048800

CUST P#
QTY 19
PROJECT# P17300
CUST# 15356

LD# DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



7 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POT WIRES AT CONNECTOR.

- * APPLY RTV, D06-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").
- * TRANSFER RTV TO AN STD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- * ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- * APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.

RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:
PO# 31695 EXP. DATE 07/10/05

- * CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (80 C).
- * RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

DATE	QTY	REMARKS	STATUS
3/24/05	2		Pr1262
3/28/05	6	same lot of RTV used as above	H.G.#1941
4/22/05	6		KM1262



8 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: SLDR-0 ASSY-7

- * INSPECT POTTING/CURING OF LEAD ASSEMBLY.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DR#(S) _____

- * ROUTE FOR WO CLOSURE AND NEXT ASSY - LAT-DS-02388.

DATE	QTY	REMARKS	STATUS
4/23/05	5		



(NEW)

WORK ORDER PICK LIST

WORK ORDER : 112044
ALY # : LAT-DS-02831-01
NO QUANTITY : 19
WIP LOCATION: W03

EFFECTIVITY DATE: 02-08-05
RELEASE DATE : 02-02-05
DATE PRINTED : 02-09-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	REQ QTY	CURR STAT	RESV IN	LOT #	INVLOC NUMBER	INVENTORY DETAIL		
							LOT	LOT DATE	SIN
1	20657-1 CONN (321P407-SS-B-15) ORIGINAL QUANTITY...	100	BO	19.00		SKCF2 FN-1	0.00		
The following parts have been defined as alternates for 20657-1: Line 1.1 311P407-SS-B-15 1 PER Partial quantity replacements are allowed.									
2	M22789/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	860	RSVD	16340.00	115299	SKCF2 FN-3	34056.00	10-01-04	LOT1152
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	26.84	BO	510.00		SKCF2 FN-2	0.00		
The following parts have been defined as alternates for 206071-1: Line 3.1 G0881 1 PER Partial quantity replacements are allowed.									
3.1	G0881 CONTACT (206071-1) ORIGINAL QUANTITY...	51.16	RSVD	972.00	115021	SKCF2 FN-2	972.00	09-27-04	
This line is an alternate part for line 3. G0881 is used in a 1 to 1 ratio to 206071-1. Partial quantity replacements are allowed.									
4	IC6-1104 ADHESIVE ORIGINAL QUANTITY...	1.00	BO	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02831. APPLY HERE	0.00		

5) B LAT-DS-02831
LOT # 114947

0.00
18

16340.00

0.00

972.00

0.00

0710

CRIMP TENSILE STRENGTH LAT-05-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHODA MARMON 1970	TEST DATE
CONTACT PN:	206071-1	2-16-05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A830)	Rhoda Marmol
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A834)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	ALPHA 120N MPF 2004 (6-17-01)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.8	13.6
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
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CRIMP TENSILE STRENGTH

LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	1	TEST DATE
CONTACT PN:		2/16/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC-)	Rhonda Marshall
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		112044
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.7	13.6	13.6
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

1:10 P.M.

CRIMP TENSILE STRENGTH CAT-DS-02831-01						
MIL-STD-1344; METHOD 2003.1						
TEST TYPE (circle one):		PRE-PROD		POST-PROD		
CRIMP OPERATOR NAME/EMP #:		Herbie Gray 1#1941		TEST DATE		
CONTACT PN:		20607H-1		3.16.05		
WIRE PN:		M22759 / 11-24-9		TESTED BY		
CRIMP TOOL PN (GTC Tool #):		M22520 / 201 (GTC A102)		Herbie Gray		
DIE/LOCATOR PN (GTC Tool #):		M22520 / 2-06 (GTC A692)		WORK ORDER NO.		
SELECTOR VALUE:		3		112044		
TEST EQUIP # (Last CAL date):		Alptra MPT-200A (6.17.04)				
PULL RATE:		1" +/- .25" per min.		OTHER PULL RATE:		
OBSERVATIONS/VALUES						
SAMPLE NUMBER:		No. 1	No. 2		No. 3	
MINIMUM TENSILE STRENGTH:		10	10		10	
MEASURED TENSILE STRENGTH:		13.4	13.3		13.4	
PASS/FAIL (circle test result)		PASS	FAIL	PASS	FAIL	PASS
Type of Separation Observed						
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}		✓				
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						
SPECIAL INSTRUCTIONS (as reqd):						

CRIMP TENSILE STRENGTH

CAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	le/019 M 1#1262	TEST DATE
CONTACT PN:	20671-1	3.16.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 4101)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC A833)	WORK ORDER NO.
SELECTOR VALUE:	3	117044
TEST EQUIP # (Last CAL date):	Hudson MPT-2008 (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.4	13.4
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
Type of Separation Observed			
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

11:15 p.m.

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Hester Gray #1941	TEST DATE 3.23.05 TESTED BY Hester Gray WORK ORDER NO. 112044
CONTACT PN:	206071-1	
WIRE PN:	M22759 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520 7-01 (GTC #1012)	
DIE/LOCATOR PN (GTC Tool #):	M22520 7-06 (GTC #833)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	Alpator 2001 (6/27/01)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.1	13.7	13.4
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

CRIMP TENSILE STRENGTH Assy-LA1-03-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Mattha Villa 1742	TEST DATE
CONTACT PN:	206071-1	4-20-05
WIRE PN:	m 22759/11-249	TESTED BY
CRIMP TOOL PN (GTC Tool #):	m 22502/2-01 (GTC 4833)	Mattha Villa
DIE/LOCATOR PN (GTC Tool #):	m 22520-206 (GTC 833)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	7-6-05	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.6	13.4	13.4
PASS/FAIL (circle test result)	PASS / FAIL	PASS / FAIL	PASS / FAIL
	Type of Separation Observed		
SLIP (pull out) (a)	✓	✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH Assy-LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1740	TEST DATE 4-20-05 TESTED BY Martha Villa WORK ORDER NO. 112044
CONTACT PN:	206071-1	
WIRE PN:	M22759/11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A833)	
DIE/LOCATOR PN (GTC Tool #):	M22520-2-06 (GTC-A833)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	7-6-05 ()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	12.6	12.5	12.6
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
Type of Separation Observed			
SLIP (pull out) {a}	✓	✓	✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK CENTER: TRAVELLER - NEW

PAGE 1

AL P/N: LAT-DS-02830-01
ASSY: CABLE, TPS 1/P FWR

WOB 112243
REQ DATE 02-03-05
REL DATE 02-03-05
COP
PO# 0000048800

CUST #
QTY 15
PROJECT# F17300
CUST# 12356

SERIAL NUMBER LISTING:.....
N/A

APPROVAL
PROD: 2/2/05
ON: 2-2-05

WORKMANSHIP:.....
ANSI-Z-39.5-2001 CLASS 3, OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV & DATE
A	15	N/A	6		mm 3/1/05
B	4	N/A	6	To meet	mm 3/1/05

(wchdr rev 05.19.04 gln)

DEPT MACHS OPS DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
 ASSY & PL: LAT-DS-02830 REV FD/PL 53 OUTSTANDING EQ'S NONE
 (REFERENCE ASSY/PL LAT-DS-02386 FOR RTV APPLICATION ROT)
 TEST SPEC: N/A
 ASSY AID: N/A
 (CUSTOMER NAME) SLAC
 ***** BUILD DOCUMENTS *****
 USE... TRAVELER AND DRAWING
 *(REV'D)/PREP'D BY: GH (DATE) DATE: 02.03.05



DATE	QTY	REMARKS	STATUS
2-2-05			mm

WORK CELL: 4 MIXED

CUSTOMER: SIAM

PRODUCTION

WORK CENTER TRAVELLER NW

PAGE 2

ASSY/PN# LAT-DS-02830-01
ASSY. CABLE, TPS I/P PWR

WGR 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SO#
PO# 0000048800

CUST PR
QTY 10
PROJECT# 17300
CUST# 15354

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SRT-OF RSN... LINE-MACH ST-LOT.



2 201 00 STOCKROOM/KITTING AREA 0.0000 0 0000 0.0000
KIT PARTS/MATERIALS

* WIRE, CRIMP PINS, CONNECTOR, AND RIV.

2/10/05 0719

REMARKS.....

STATUS

[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PNS LAT-DS-02830-01
ASSY. CABLE, TFS 1/P PWR

WCR 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SOS
PO# 0000046900

CUST PR
QTY 19
PROJECT# P17300
COST# 15356

PAGE 4

LI# DEPT MACH# OF# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT.



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DFB: SLDK-20 ASSY-80

- INSPECT WIRE COUNT, STRIPS, CRIMPS, TINNING, AND CLEANING.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR#(S) 29547

DATE... QTY... REMARKS.....
2/22/05 40/32

STATUS
SLV

3/3/05 10 Restripped cks



5 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSERT WIRES AND CONTACTS
TO CONNECTOR

- INSERT TERMINATED WIRES TO CONNECTOR IN POSITIONS 1-20.

WIRE PAIR	CLR	PINS
PAIR #1	WHT	3
	RED	2
PAIR #2	WHT	3
	RED	2
PAIR #3	WHT	4
	RED	3
PAIR #4	WHT	4
	RED	3
PAIR #5	WHT	10
	RED	9
PAIR #6	WHT	11
	RED	10
PAIR #7	WHT	12
	RED	11
PAIR #8	WHT	13
	RED	12
PAIR #9	WHT	14
	RED	13
PAIR #10	WHT	15
	RED	14
	WHT	16
	RED	15
	WHT	17
	RED	16
	WHT	18
	RED	17
	WHT	19
	RED	18
	WHT	20
	RED	19

- FILL THE REMAINING OPEN POSITIONS WITH AN UNUSED CONTACT.
(REMAINING OPEN LOCATIONS - 21, 22, 23, 24, 25, 26.)

ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

DATE... QTY... REMARKS.....
3.806 1 complete

STATUS
16. #1941

WORK CELL: 4-MIXED

(CUSTOMER: NIAC)

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/FIN LAT-DS-02830-01
ASSY, CABLE, TPS 1/P PWR

WOP# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SOP
PO# 0000048800

CUST P# 19
QTY P17100
PROJECT# 15356
CUST#

PAGE 3

LINE DEPT MACH# QTY DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
CUT WIRE, STRIP WIRE,
CRIMP PIN CONTACTS,
TIN LEADS.

***** THIS LEAD ASSY USES TWISTED-PAIR (RED/WHI) WIRE *****
* CRIMP TEST SETUP - GTC-2081.

CUT 5 PIECES OF WIRE @ 5" TO 6" LONG, FOR PULL TESTS.
USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

* STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...

... USE ~~SCHEIDTNER ENDOGENIC~~ WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 1/8" (1.25"),
AND LEAVES THE INSULATION SLUG IN PLACE.

ECUBAMPS SMALL MODEL #1900.

Handwritten signature

* PRE-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: Rm1970 DATE: 2/17/05 STATUS Pass

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG, 1/8" (1.25").
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT 10 PAIRS TO 9-1/2" (9.50") LONG.
- 4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

Handwritten note: 2/11 (10:00)



*Handwritten notes: 1/6 - 3.8.05 #1941
L.H. 3/8/05
205 (QA)*

* POST-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: 2/18/05 DATE: Rm1970 STATUS Pass

DATE	QTY	REMARKS	STATUS
2/18/05	4	4 sets of 10 - 10	Rm1970
3/8/05	1	1 set of 10 - 10 (Rework)	CvD1920

WORK ORDER: 4-MIXED

CUSTOMER: RIAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-00810-01
ASSY. CABLE. TPS T/P PWR

WO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SQ#
PGE 0000000000

CUST ID
QTY 10
PROJECT# P17100
LST# 15166

PAGE 6

LINE DEPT MACH# OP# DESCRIPTION..... SETUP RUN... HOURS LINE-MACH ST-LOT



6 290 00 QUALITY ASSURANCE AREA
OFF: SLDR-0 ASSY-26 0.0000 0.0000 0.0000

- * INSPECT LEAD AND CONTACT INSERTION TO CONNECTOR.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRAW(S)

DATE	QTY	REMARKS	STATUS
3/8/05	1		KH.285

3/9/05 3



7 210 00 CCA/BLACK BOX ASSY AREA
POT WIRES AT CONNECTOR. 0.0000 0.0000 0.0000

- * APPLY RTV, DCS-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").
- * TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- * ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- * APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- * RECORD RTV MATERIAL P# AND EXPIRATION DATE BELOW:

P# 3/201 EXP. DATE 6/12/05

* CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (60 C).

* RECORD CURE DATE, START/STOP TIME BELOW:

DATE 3-6-05 START 1800 hrs STOP 2000 hrs

DATE	QTY	REMARKS	STATUS
3-8-05	4		JAB 52016

CLEAR Defect Report #2452
for 2 wires
JAB 2-25-05

WORK CELL: A MIXED

CUSTOMER: SLAM

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-02830-01
ASSY. CABLE, TPS I/P PWR

WO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SQ#
PC# 0000048800

CUST PN
QTY 19
PROJECT# F17300
CUST# 15356

PAGE 6

LT#	DEPT	MACH#	OP#	DESCRIPTION	HOURS		
					SET-UP	RUN	LINE-MACH
8	230	00		QUALITY ASSURANCE AREA OP# 81DR-0 ASSY-7	0.0000	0.0000	0.0000



- * INSPECT POTTING/CURING OF LEAD ASSEMBLY.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#(S)

- * ROUTE FOR WO CLOSURE AND NEXT ASSY - LAT-DS-02388.

DATE	QTY	REMARKS
3/9/05	4	

STATUS



WORK ORDER : 112043

(NFM)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02830 C
QTY : 19
LOCATION: MO2

BY LINE ITEM

EFFECTIVITY DATE: 02-09-05
RELEASE DATE : 03-03-05
DATE PRINTED : 02-09-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL			
			QUANTITY	STAT	QUANTITY				LOT	LOT DATE	BIN	QUANTITY
1	206500 CONN (311P407-2P-B-15) ORIGINAL QUANTITY...	EA	1.00	BO	19.00		SKCF2 FN-1	0.00				

The following parts have been defined as alternates for 206500-1:
LI# 3.1 311P407-2P-B-15 1 PER
Partial quantity replacements are allowed.

107# 114944

Handwritten: 19

2	M22759/11-24-2/9 WIRE, 24AWG RED/WHIT ORIGINAL QUANTITY...	IN	300.00	RSVD	5700.00	115300	SKCF2 FN-2	11927.00	10-01-04			
---	--	----	--------	------	---------	--------	---------------	----------	----------	--	--	--

Handwritten: 500 in

3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	20.00	RSVD	380.00	114796	SKCF2 FN-3	401.00	09-23-04	IN ASSY		
---	--	----	-------	------	--------	--------	---------------	--------	----------	---------	--	--

Handwritten: 380

The following parts have been defined as alternates for 204370-8:
LI# 3.1 GOSP1 1 PER
Partial quantity replacements are allowed.

4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02830 APPLY HERE. FN-3	0.00				
---	--	----	------	----	-------	--	---	------	--	--	--	--

Handwritten: 0

3:30 p.m.

CRIMP TENSILE STRENGTH *Lot-05-02830-01*

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	<i>Herbie Gray 1#1941</i>	TEST DATE
CONTACT PN:	<i>704370-8</i>	<i>3-8-05</i>
WIRE PN:	<i>M22759/11-24-2/9</i>	TESTED BY
CRIMP TOOL PN (GTC Tool #):	<i>M22520/7-01 (GTC#1012)</i>	<i>Herbie Gray</i>
DIE/LOCATOR PN (GTC Tool #):	<i>M22520/7-09 (GTC#831)</i>	WORK ORDER NO.
SELECTOR VALUE:	<i>3</i>	<i>112043</i>
TEST EQUIP # (Last CAL date):	<i>Wipac MPT-200A (6-27-04)</i>	
PULL RATE:	<i>1" +/- .25" per min.</i>	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	<i>10</i>	<i>10</i>	<i>10</i>
MEASURED TENSILE STRENGTH:	<i>12.1</i>	<i>11.7</i>	<i>12.4</i>
PASS/FAIL (circle test result)	PASS	PASS	PASS
	FAIL	FAIL	FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	<i>✓</i>	<i>✓</i>	<i>✓</i>
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

740 a. n.

CRIMP TENSILE STRENGTH

Lot-05-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	<u>POST</u> - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1# 1241	TEST DATE
CONTACT PN:	204370-8	3.905
WIRE PN:	M22759 / 11-24-2/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC of 102)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC of 831)	WORK ORDER NO.
SELECTOR VALUE:	3	112043
TEST EQUIP # (Last CAL date):	MPT-2001 (6.17.01)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	12.5	17.9	17.7
PASS/FAIL (circle test result)	<u>PASS</u> FAIL	<u>PASS</u> FAIL	<u>PASS</u> FAIL
Type of Separation Observed			
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)	✓		
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

DEFECT RECORD REPORT

ID: 29547
PART NUMBER: LAI-DS 02830-01 **INSPECTION TYPE:** CRIMPING **OFF SOLDER:** 20
WORK ORDER: 112043 **INSPECTION LEVEL:** 1 **OFF ASSEMBLY:** 80
SALES ORDER: F17300 **INSPECTOR:** VANDEVER **DATE:** 2/22/2005
QUANTITY: 40 **RW QTY:** 8 **WEEK CODE:** 10
CUSTOMER: SJAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
NA	2	1970	A316	4-MIXED	CUTS OR NICKS	WIRES	Twisted wires Red/white
NA	6	1970	A355	4-MIXED	IMPROPER CABLE LENGTH	WIRES	Twisted wires Red/white

PRODUCTION

WORK ORDER TRAVELLER - NEW

DAY/PM: LAT-DS-01481
SERV: GLAST, DAL, JEM

WCH# 113105
WCH# 04-23-05
WCH# 04-04-05
WCH# 01-20-00
WCH# 0000048700

CUST #
PROJECT # P17200
CUST # 15184

LINE DEPT MACH# OP# DESCRIPTION..... SET-UP RUN... LINE-MACH ST-LOT



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
APPLY ADHESIVE

- * PROCESS ASSY PER CAA STEP 3.
- * RECORD ADHESIVE DATA BELOW:

CCO PO# 32131 EXP. DATE 10-1-05
 LOT # (A) 32775 (B) 32775
 MIX RECORD (PART A WGT) 15g (PART B WGT) 1g

DATE	QTY	REMARKS	STATUS
5/16/05	1	Apply ADHESIVE	AP



4 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
LOG CCA SN TO WORK ORDER
CHASE SCREW THREADS
INSTALL CCA TO BOX

- * PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER:

LAT-DS-01646 GT104 GLAT1755

~~GLAT1793-CT104 LAT-DS-01481~~

AP 5-18-05

DATE	QTY	REMARKS	STATUS
5-16-05	1	INSTALL	AP



5 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS.

- * PROCESS ASSY PER CAA STEP 5
- ** ALERT SLAC CAR TO WITNESS TORQUE PROCESS.**
- * RECORD ASSIGNED TOOLS USED, AND CAL DUE DATES, BELOW:

TORQUE TOOL = ATC-1E-951 1/2
 GTC-E-944 CAL DUE DATE 8-05

DATE	QTY	REMARKS	STATUS
5/16/05	1	Torque 90 T.U. @ 2	AP
5/14/05	1	WITNESS TORQUE	AP

LAT 10 04

E- PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

ASSY/NS LAST DS 01181
ASSY. GLAST. DAQ. TEM

NO# 112105
MFG DATE 04 29 05
REL. DATE 04 04 05
NO# 617200
PO# 000048799

CUST #
PROJECT# 1
CUST# 15358

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



6 210 00 CCA/BLACK BOX ASSY AREA
STAKE BOLT HEADS. 0.0000 0.0000 0 0100

- * PROCESS ASSY PER CAA STEP 6.
- * RECORD MATERIAL DATA BELOW:

ADMSV 0181: GTC PC# 3/403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 10:30 am STOP- 12:30

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>100</u>



7 210 00 CCA/BLACK BOX ASSY AREA
ASSY MARKING 0.0000 0.0000 0 0000

- * PROCESS ASSY PER CAA STEP 7.
- * RECORD MATERIAL DATA BELOW:

LINK 50-100A: GTC PC# 31206 EXPIRATION DATE 4-27-07
LOT # (PT A): 200409080033
LOT # (PT B): 200407020071

MIX RECORD (PT A WGT) 10g (PT B WGT) 6gR
MARKING DATE/TIME: 5-16-05 10:30 am
CURE OCCURS AT STAKING STEP 13.

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>100</u>



8 210 01 QUALITY ASSURANCE AREA
OFF 5123-0 ASSY 127 0.0000 0.0000 0 1000

- * PROCESS ASSY PER CAA STEP 8
- RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
<u>5/16/05</u>	<u>1</u>		<u>100</u>

WORK CELL: 1-810 RUNNER

CUSTOMER: RLAC

70 PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

REV/PNS LAT-02-01401
ASSY: GLASG, DAG, TEM

NO 113105
ISSUE 1378
COUNTER 000000
QTY 000000
000048788

CUST # 1
CITY 1
PROJECT# P17800
CUST# 18354

LINE QTY MATHS OP DESCRIPTION EST-UP RUN H O U R LINE-MATH ST-DOT



13 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAGE BOLT HEADS

- PROCESS ASSY PER CAA STEP 13.
- RECORD MATERIAL DATA BELOW:

ADREV 1161: QTY PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE-TIME- START 5-17/8:15A STOP- 10:15 A.M.

DATE QTY REMARKS STATUS
5-17-05 1 cured @ 120°F P.D.1946



14 280 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SLDR-C ASSY-37

- PROCESS ASSY PER CAA STEP 14
- RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE QTY REMARKS STATUS
5/17/05 1



15 280 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CUSTOMER SOURCE INSP

- PROCESS ASSY PER CAA STEP 15.
- RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE QTY REMARKS STATUS
5.17.05 1 GLAT 1793



TRAVELER REVISION HISTORY RECORD
ISSUED BY: FOR ASSY REV: DATE:
ISSUE 54 03/31/02
REV 54 DATE CHANGE DETAIL
54 GLA 13119 RELEASED AT REV 54, AND CAA AT REV *.

END OF TRAVELER REVISION RECORD

WORG 0114: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

WORG: /SMA LAT-DS-01644
CQA: SLAC, TRM

WORG: 122004
REQ DATE: 02-03-05
REQ DATE: 12-21-04
WORG: 0000048799

CUST #
QTY
PROJECT # P17100
CUST# 16186

SERIAL NUMBER: GT104 APPROVAL: 2/3/05
PROD: 2/3/05
QA: 2/3/05

WORKMANSHIP: SLAC 1755
1P2/SIA-3-SID-001C CLASS 3/ WITH 'CS' SPACE SUPPLEMENT
SLAC CAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

SLA 02.02 05

LINE DEPT MACH# QTY DESCRIPTION SET-UP RUN... LINE-MACH ST-LOC HOURS



1 200 00 CONFIG RECAL/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
ASSY DWG. DOCUMENT NUMBER REV #D/PD OUTSTANDING EC'S
BOM PL: LAT-DS-01644 04 NONE
CUST SOW: LAT-DS-01644 02 NONE
ASSY AID: LAT-DS-01644 02 NONE
CUSTOMER NAME: SLAC (RELEASED PER EC 2289)
STANFORD LINEAR ACCELERATOR CENTER
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*REV'D/PRP'D BY: GH (DATE:DATE, 02 22 05)

DATE: QTY: REMARKS: STATUS
2/3/05 _____ GH



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS

- PROCESS PER CAA STEP 2.
- ALL HARDWARE, NON-SMT PARTS, AND CONSUMABLE MATERIALS, ARE TO BE COLLECTED AND MOVED TO POST-SMT PROCESSING.
- ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM

DATE: QTY: REMARKS: STATUS
2/3/05 1 _____ GH
2/2/05



WORK CELL: 1-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASSY/TNG LAT-DS-01648
CCA, BLAST, TEM

WOB# 112004
REQ# DATE 02-03-05
PROJ# DATE 10-21-04
JOB# 0000048799

CUST#
PROJ#
CUST#

117200
102000

LINE DEPT MACH# QTY DESCRIPTION... SET UP RUN... HOURS LINES-MACH ST-LOT



3 210 00 CCA/BLACK BOX ASSY AREA BOARD MARKING 1.0000 1.0000 1.0000

* PROCESS PER CAA STEP 1.

DATE	QTY	REMARKS	STATUS
2-7-05	1		OK 11648



4 213 00 SMT ASSY LINE PRE-SMT OVEN BAKE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 1.

BAKE DATE: 2-7-05
START TIME: 8:50 am
STOP TIME: 10:50 am

DATE	QTY	REMARKS	STATUS
2-7-05	1	TR	OK 11648
2-7-05	1	OK	OK 11648



5 213 00 SMT ASSY LINE SOLDER PASTE STENCIL ONLY TOP SIDE OBTG PARTS 5.6300 5.6300 5.6300

* PROCESS PER CAA STEP 1.

* RECORD SOLDER PASTE DATA BELOW.

QCC FOR 21722, EXPIRATION DATE 7/18/05

DATE	QTY	REMARKS	STATUS
2-8-05	1		FE

- U500 - .0060
- U55 - .0064
- R391 - .0063
- C361 - .0060
- Q374 - .0065
- U53 - .0062
- U52 - .0067
- U58 - .0065

WORK CELL: 4-MIXED

CUSTOMER: SLAC

EXECUTION

WORK ORDER TRAVELLER - NEW

PN# / P/N# 147-05-11646
PCA GLAST. TEM

NO. 000004
REV. 000004
DATE 02-22-05
04 0000048799

CUST #
QTY
PROJECT# 4717200
CUST# 10356

PAGE 3

LINE DEPT MACH# OP# DESCRIPTION SET UP HOURS
NO. ... LIMS MACH ST LOT



6 213 00 SMT ASSY LINE 10.0000 10.0000 10 0000
PICK-N-PLACE PARTS

* PROCESS PER CAA STEP 6.

* RECORD SERIAL NUMBERS OF LISTED ASIC DEVICES:

PN-19 US 1511 U4 1740 US 1823 US 1737
PN-03 US 1798 US5 1821 US6 1807 US7 1812
US8 1823 US9 1797 US0 1812 US1 1822

DATE... QTY... REMARKS... STATUS
2/8/05 1 NA



7 213 00 SMT ASSY LINE 0 5000 0 5000 0 5000
SOLDER REFLOW

* PROCESS PER CAA STEP 7.

** DO NOT LET BOARD SIT OVERNIGHT WITHOUT CLEANING **

DATE... QTY... REMARKS... STATUS
2/8/05 1 NA



8 213 00 SMT ASSY LINE 0 1000 0 1000 0 1000
AQUEOUS CLEAN

* PROCESS PER CAA STEP 8.

** RECORD WASH EVENT ON LOG (PER EA-24)

DATE... QTY... REMARKS... STATUS
2/8/05 1 NA

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PNS LAT-05-01640
CNA GLAST, TEM

WOB 112006
REL DATE 02-03-05
REL DATE 12-31-04
P.O.# 0000048789

CUST #
PROJ # 1
CUST# 117200
15356

PAGE 4

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



9 290 00 QUALITY ASSURANCE AREA 0.4400 0.4400 0.4400
CPE: 5129-4103 ASSY-5203

- PROCESS PER CAA STEP 9.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

REP#(S)	QTY	REMARKS
29234		
2805	1	SN 104
21405	1	

RE-INSPECTION REQ.
John
 THIS STAMP IS PREMATURE, & reflects a post review/pre clean inspection - report # 29234.
 2/2/05



10 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
PRE-WAVE BAKECUT

PROCESS PER CAA STEP 10
DATE DATE 2-15-05 START 8:00 STOP 10:00

DATE	QTY	REMARKS	STATUS
2-15-05	1		DC/857



11 210 00 CCA/BLACK BOX ASSY AREA 2.4000 2.4000 2.4000
THRU-ROLE INSTALL

- PROCESS PER CAA STEP 11.
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

CTC E-842

DATE	QTY	REMARKS	STATUS
2-15-05	1	Conn only	PO # 7857



12 215 00 WAVE SOLDER 0.5000 0.5000 0.5000
WAVE SOLDER

PROCESS PER CAA STEP 12

DATE	QTY	REMARKS	STATUS
1-16-05	1		TS

WORK CELL: 4-MIXED

CUSTOMER: SIRC

TO: PRODUCTION

WORK ORDER TRAVELLER - NEW

QASY/CON: LAT-28-01646
CIA, CLART, TEM

MO# 112004
ISSUE DATE 10-01-04
REV# DATE 10-21-04
JOB# 0000049799

CURT BR
CITY 1
PROJECT# 0140010
CUST# 15300

PAGE 5

LINE DEPT MACHINE OPER DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-DOWN



13 215 00 KAVESOLDER
AGU8009 CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13:

DATE	QTY	REMARKS	STATUS
2-16-05	1	Cleaner #2 40min	DC 1857



14 210 00 QUALITY ASSISTANT AREA
OPR: SLDX-000 ASSY-05 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14:

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW:

DEF#(S)

DATE	QTY	REMARKS	STATUS
2/16/05	1		



15 210 00 OCA/BLACK BOX ASSY AREA
TOUCRUP 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 15:

DATE	QTY	REMARKS	STATUS
2-11-05	1	touchup After Heller	DC 1648
2-16-05	1	Touch-up #15	DC 1857



16 212 00 OCA/BLACK BOX ASSY AREA
ALCORO/DI CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 16:

DATE	QTY	REMARKS	STATUS
2-16-05	1		DC 1857

WORK CELL 4-MIXED

CUSTOMER: ELAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

QTY: 1000
PCA, GLASS, TRM

W# 112074
REQ DATE 02-19-05
REL DATE 12-21-04
SOP
PO# 0000048799

CUST #
QTY 1
PROJECT# 217200
COST# 15356

PAGE 6

LINE QTY MATCH QTY DESCRIPTION SET-UP RUN HOURS LINE-MACH ST-LOT



17 200 00 QUALITY ASSURANCE AREA
CPE: SLDK-100 ASSY 0 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 17.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR# (S)

DATE	QTY	REMARKS	STATUS
2/18/05	1		OK



18 210 00 CCA/BLACK BOX ASSY AREA
POST WAVE ASSY-FPGAS 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 18.

ADHESIVE POC 31450 EXP. DATE: 5/17/05
FPGA SERIAL #1: U45 40361 U42 50263

DATE	QTY	REMARKS	STATUS
2/17/05	1	Place only	OK
2/17/05	1	Hand Soldered	OK (1628)



19 210 00 CCA/BLACK BOX ASSY AREA
SOLDER FPGA LEADS 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
2-17-05	1		OK (1628)
2-17-05	1		OK



20 210 00 CCA/BLACK BOX ASSY AREA
POST WAVE ASSY-D9, D4, D5 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 20.

DATE	QTY	REMARKS	STATUS
2-23-05	1	Soldered	OK (1941)
2-18-05	1		OK (1907)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

1. PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

ASSY/OPS LAT-OS-01644
CAA: 22305, TEM

WO# 112004
REQ DATE 12-03-05
REL DATE 12-21-04
SQ#
POS 0000048799

CUST_P#
QTY 1
PROJECT# 117800
COST# 10989

LINE DEPT MACH# OP# DESCRIPTION..... SET-UP RUN... H O V A S... LINE-MACH ST-DOT



21 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 1.0000
POST WAVE ASSY-R1, R2

* PROCESS PER CAA STEP 21.

DATE... QTY... REMARKS... STATUS
2/23/05 1 soldered 1.6 #1941



22 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
ALCOHOL/DI CLEAN

* PROCESS PER CAA STEP 22.

DATE... QTY... REMARKS... STATUS
2/23/05 1 1.6 #1941



23 00 QUALITY ASSURANCE AREA 0.2000 0.2000 0.2000
OP#: SLOR-217 ASSY-239

* PROCESS PER CAA STEP 23.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DR# S: 291643

DATE... QTY... REMARKS... STATUS
2/24/05 1
2/24/05 1



24 145 00 REPA TEST 0.9100 0.9100 0.9100
OP#A TEST

* PROCESS PER CAA STEP 24.

** RECORD TEST DEFECT RECORD REPORT NUMBER(S) BELOW.

TR# S:

DATE... QTY... REMARKS... STATUS
2/25/05 1 SN: 67104 dnc PASSED

WORK CELL: 1-MIXED

CUSTOMER: SLAC

1. PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/ENG: LAT-15-01046
CCA: GLASS, TEM

W# 112004
REL DATE 02-08-05
REL DATE 10-31-07
S# 1
P# 0000048799

CUST ID
PROJ QTY 1
COST# 11200
COST# 15356

PAGE 3

LINE DETAIL MACHINE OPER DESCRIPTION..... HOURS
SETUP RUN LINE-MACH ST-LAT



27 251 00 COATING/POTTING AREA 0.6000 0.6000 1.6000
POTTING/STAKING

- * PROCESS PER CAA STEP 27.
- * RECORD MATERIAL DATA BELOW:

REV DC6-1104: GTC PO# 31695 EXPIRATION DATE 7-10-05
 ADHSV 0151: GTC PO# 3K103 EXPIRATION DATE 1-31-07

1151 ADHESIVE MIX RECORD (RECORD PER BATCH)

	BATCH #1	BATCH #2	BATCH #3	BATCH #4
RESIN WGT:	<u>10</u>			
HARDENER WGT:	<u>3.3</u>			
CURE DATE:	<u>3/24/05</u>	START: <u>4:00</u>	STOP: <u>6:00</u>	

DATE	QTY	REMARKS	STATUS
<u>3/24/05</u>	<u>1</u>		<u>P.D. 1946</u>



28 251 00 QUALITY ASSURANCE AREA 2.1000 0.1000 1.1000
CPE, SLDA-0 ASSY-100

- * PROCESS PER CAA STEP 28.
- ** RECORD DEFECT RECORD REPORT NUMBER 9: BELOW.

DATE	QTY	REMARKS	STATUS
<u>3-25-05</u>	<u>1</u>	<u>inspect binding & staking</u>	



29 251 00 SOURCE INSPECTION 2.0000 0.0000 0.0000
OFF SLAC CAA INSPECTION BEFORE SHIPMENT TO SLAC

- * PROCESS PER CAA STEP 29.
- * PLEASE RETURN CCA TO CA FOR SHIPMENT

DATE	QTY	REMARKS	STATUS
<u>3-28-05</u>	<u>1</u>	<u>SLAC 1755</u>	

WORK CELL 4-MIXED

CUSTOMER: SLAC

7. PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/EN: LAT-D6-11640

WO# 112004
REQ DATE 01-13-05
DEL DATE 12-11-04
CQ#
PC# 0000048753

CUST #
CITY 1
PROJECT# 817200
CUST# 18380

PAGE 11

LINE DEPT MACH# QTY DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LAT



30 255 00 PACKAGING/SHIPPING INSP
PACK & SHIP CCA 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
3/28/05	1		OK E2018



31 260 00 QUALITY ASSURANCE AREA
CAA RECEIVING INSPECTION 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 31

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DKR#(S)

IN THE INSTANCE OF REJECTION, DO NOT CAUSE OR ALLOW ANY
REWORK TO BE PERFORMED WITHOUT AUTHORIZATION PROVIDED BY
APPROVED REWORK INSTRUCTIONS (FORM REQUIRED).

DATE	QTY	REMARKS	STATUS
5/9/05	1		CP



32 260 70 SOURCE INSPECTION
SLAC CAR PRE-LOAD INSP
MANDATORY INSPECTION
POINT 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 32.

DATE	QTY	REMARKS	STATUS
5.10.05	1	GLAT 1755	GLAT 10 QA

WORK CELL: 1-MIXED

CUSTOMER: STA*

3. PRODUCTION

WORK ORDER TRAVELLER - NEW

CA: WAVE LAB:DS 11546
CAA: BLACK, SEM

WOB 112004
CPO DATE 02-03-05
COT DATE 12-31-01
QTY
POP 0000018799

CUST #
PROJ #
COST# 217400
COST# 19356

PAGE 11

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE MACH ST-LOC



33 010 00 CCA/BLACK BOX ASSY AREA
ALCOHOL/DI CLEAN AND TEST
THE CLEANLINESS OF CCA. 0.2000 0.2000 1.2000

- * PROCESS PER CAA STEP 33
- *** WEAR PROTECTIVE GLOVES WHEN HANDLING CCA ***
- * ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
5/10/05	1		MAN-163



34 200 00 QUALITY ASSURANCE AREA
UPE: SLDR-0 ARRY-11 0.0000 1.0000 1.0000

- * PROCESS PER CAA STEP 34.
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DEF#(S) _____

DATE	QTY	REMARKS	STATUS
5/10/05	1		



39 250 00 COATING/POTTING AREA
MASK & CONFORMAL COATING 0.6000 0.6000 0.6000

- * PROCESS PER CAA STEP 39.
- *** WEAR PROTECTIVE GLOVES WHEN HANDLING CCA ***

RECORD DATE-TIME START/STOP BELOW

DATE DATE: 5/10/05 START: 6:00pm STOP: 7:00pm

DATE	QTY	REMARKS	STATUS
5/10/05	1	Back mask	AW

WORK ORDL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASBY/ENR LAD-DS 01644
DIA, GLAST, TEM

WOB 112004
REQ DATE 12-09-04
REL DATE 12-21-04
SC#
PC# 0000018789

CUST #
QTY 1
PROJECT# 217200
CUST# 15358

PAGE 11

LINE DEPT MACH# CP# DESCRIPTION..... HOURS
REQ-UP RUN... LINE-MACH ST-LOC.



36 051 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
SPRAY CONFORMAL COAT

* PROCESS PER CAA STEP 36.

CONFORMAL COAT MATERIAL PO#- 31201
EXP. DATE: 6/30/05

TWO (2) HOUR AIR CURE (BEFORE OVEN BAKE)

DATE: 5/10/05 START: 11:00PM STOP: 7:00AM

DATE	QTY	REMARKS	STATUS
<u>5-10-05</u>	<u>1</u>	<u>COAT</u>	<u>HN</u>



37 000 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
TOUCHUP / CURE-OVEN BAKE

* PROCESS PER CAA STEP 37.

FIRST BAKE DATE: 5/11/05 START: 7:00AM STOP: 9:30AM

TOUCHUP BAKE DATE: 5-11-05 START: 11:00 STOP: 1:00

DATE	QTY	REMARKS	STATUS
<u>5/11/05</u>	<u>1</u>	<u>TOUCHUP</u>	<u>DM</u>
		<u>UNWASHER</u>	<u>A</u>

ASSEMBLY # : LAT-DS-01649
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-04
RELEASE DATE : 02-03-04
DATE PRINTED : 02-03-04

LATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	ASBY IN QUANTITY	LOT #	INVL0C	LOT NUMBER	INVENTORY DETAIL			SIN
									QUANTITY	LOT DATE	LOT LIFE	
1	LAT-DS-01649 DVR, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	100299	SKCF2 FN-D1	100299 PULLED	19.00	09-11-07		1 ✓
2	LAT-DS-01026 PLATE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114784	SKCF2 FN-D6	114784 PULLED	19.00	06-19-07		1 ✓
3	LAT-DS-01031 PIN, CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114785	SKCF2 FN-D7	114785 PULLED	40.00	06-19-07		2 ✓
4	NAS1352N02-8 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114786	SKCF2 FN-D3	114786 PULLED	972.00	09-23-04		26 ✓
5	LAT-DS-03081 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114787	SKCF2 FN-D5	114787 PULLED	40.00	09-23-04		2 ✓
6	MSS1957-13 SCREW, FNFD, 4-40 X ORIGINAL QUANTITY...	EA 25	2.00 2.00	RSVD	2.00	93945	SKCF2 FN-D10	93945 PULLED	292.00	11-24-03	USP	2 ✓
							FN-D10	114788 PULLED	75.00	09-23-04		
7	NAS610-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00	114789	SKCF2 FN-D2	114789 PULLED	1104.00	09-23-04		52 ✓
8	MSS1471-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114790	SKCF2 FN-D8	114790 PULLED	88.00	09-23-04		4 ✓
9	NAS671-C2 NUT ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114791	SKCF2 FN-D4	114791 PULLED	346.00	09-23-04		26 ✓
10	LAT-DS-03088 ASSY, CABLE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCF2 FN-D9/25 J1		0.00			0
11	015C RESISTIVE, HYGCD, 402 ALT ORIGINAL QUANTITY...	Q2	1.00	SO	1.00		SKUP2 FN-D11		0.00			0-0
12	015C RESISTIVE, HYGCD, 402 ALT ORIGINAL QUANTITY...	Q2	1.00	SO	1.00		SKUP2 FN-D11		0.00			0-0
13	ETEC CONFORMAL COATING URETHANE ORIGINAL QUANTITY...	Q2	1.00	SO	1.00		SKCF2 FN-D13		0.00			0-0

WLY 4 : LAT-DS-01646
FACILITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 03-03-04
DATE PRINTED: 04-01-04
PAGE PRINTED: 04-01-04

DATE FILLED: _____

FILLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			BIN
									QUANTITY	LOT LIFE	BINLOC	
24	JANTXV14153UR-1 DIODE Cont from prior page.	EA	2.00				FN-10	114819 D1 D2 PULLED:	152.00	09-17-04		2 ✓
25	5MDC50 FUSE, RAYCHEM/POLYSMICH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114807	FN-12	114807 F2 F4 F6 F8 PULLED:	104.00	09-23-04		4 ✓
26	5MDC75 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114806	FN-13	114806 F3 F5 F7 F9 PULLED:	104.00	09-24-04		4 ✓
27	MAX145AEUA IC ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	114809	FN-15	114809 U7 U8 U9 U10 U11 U12 U16 U17 U18 U19 U20 U21 U22 U26 U27 U28 U29 U30 U31 U32 U36 U37 U38 U39 U40 U41 U42 PULLED:	140.00	09-23-04		36 ✓
							FN-15	122296 U7 U8 U9 U10 U11 U12 U16 U17 U18 U19 U20 U21 U22 U26 U27 U28 U29 U30 U31 U32 U36 U37 U38 U39 U40 U41 U42 PULLED:	491.00	12-16-04		
28	MAX3121AEE IC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114810	FN-16	114810 U1 U2 PULLED:	49.00	09-23-04		2 ✓
	LAT-DS-03855 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		FN-17	U45 PULLED:	0.00			0
												lot: 123759
30	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		FN-18	U52 PULLED:	0.00			0
												lot: 123758
31	LAT-TD-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114813	FN-19	114813 U3 U4 U5 U6 PULLED:	36.00	09-23-04		4 ✓
32	59429568101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114814	FN-20	114814 U43 PULLED:	33.00	09-23-04	DRY-10	1 ✓
33	59429568203QYC IC ORIGINAL QUANTITY...	EA	5.00	RSVD	5.00	114815	FN-22	114815 U46 U47 U48 U53 U54 PULLED:	5.00	09-23-04	DRY-10	5 ✓
34	LAT TD 01812 IC ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	114816	FN-15	114816 U54 U55 U56 U57 U58 U59 U60 U61 PULLED:	170.00	09-23-04		8 ✓
35	NOTESUP6300 THICK FILM JUMPER ORIGINAL QUANTITY...	EA	151.00	RSVD	151.00	114817	FN-16	114817 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 PULLED:	443.00	09-23-04		151 ✓
							FN-16	114817 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 PULLED:	444.00	09-23-04		

REVISION : 127-DS-01648
QUANTITY :
LOCATION: 402

BY LINE ITEM

EFFECTIVITY DATE: 02-03-05
RELEASE DATE : 02-03-04
DATE PRINTED : 02-03-05

DATE FILLED:

FILLED BY:

REQUIREMENTS				INVENTORY DETAIL						
PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	BINLOC	BIN QUANTITY
36 M55342K06B1B0CR RESISTOR, CHIP, 100W, 1K OH	EA	55.00	RSVD	55.00	114815	SKCPS FN-29	114815 R174 R175	2100.00	09-23-04	
ORIGINAL QUANTITY...		55.00				FILLED:				
						SKCPS FN-29	114822 R174 R175	1100.00	09-27-04	
						FILLED:				
37 M55342K06B1F00R RESISTOR, CHIP, 100W, 1K OH	EA	2.00	RSVD	2.00	114819	SKCPS FN-29	114819 R174 R175	692.00	09-23-04	
ORIGINAL QUANTITY...		2.00				FILLED:				
						SKCPS FN-29	114877 R174 R175	217.00	09-27-04	
						FILLED:				
38 M55342K06B10F0R RESISTOR	EA	2.00	RSVD	2.00	114820	SKCPS FN-32	114820 R165 R166	138.00	09-23-04	
ORIGINAL QUANTITY...		2.00				FILLED:				
						SKCPS FN-32	114888 R165 R166	212.00	09-27-04	
						FILLED:				
M55342K06B22D1R RESISTOR	EA	205.00	RSVD	205.00	114821	SKCPS FN-29	114821 R174 R175	555.00	09-23-04	
ORIGINAL QUANTITY...		205.00				FILLED:				
						SKCPS FN-29	114822 R174 R175	138.00	09-27-04	
						FILLED:				
40 M55342K06B100CR RESISTOR, CHIP, 100W, 100 OH	EA	60.00	RSVD	60.00	114822	SKCPS FN-29	114822 R174 R175	400.00	09-23-04	
ORIGINAL QUANTITY...		60.00				FILLED:				
						SKCPS FN-29	114823 R174 R175	100.00	09-27-04	
						FILLED:				
41 M55342K06B100CR RESISTOR, CHIP, 100W, 100 OH	EA	50.00	RSVD	50.00	114822	SKCPS FN-29	114822 R174 R175	300.00	09-23-04	
ORIGINAL QUANTITY...		50.00				FILLED:				
						SKCPS FN-29	114823 R174 R175	100.00	09-27-04	
						FILLED:				
42 M55342K06B200CR RESISTOR	EA	2.00	RSVD	2.00	114824	SKCPS FN-29	114824 R403 R403	194.00	09-23-04	
ORIGINAL QUANTITY...		2.00				FILLED:				
43 S311P18-C957R6 THERMISTOR, 30K	EA	2.00	RSVD	2.00	114825	SKCPS FN-41	114825 R1 R2	40.00	09-23-04	
ORIGINAL QUANTITY...		2.00				FILLED:				

55 ✓

2 ✓

2 ✓

205 ✓

60 ✓

50 ✓

2 ✓

2 ✓

FN-41 115004 66.00 09-27-04
31 83
FILLED:

44 596289885101QYC EA 4.00 RSVD 4.00 114826 BKCFD 114826 8.00 09-23-04 DRX-10
ORIGINAL QUANTITY... 4.00 FN-21 049 US0 U51 U52
FILLED:

ASSEMBLY # : LAT-00-01646
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-04
RELEASE DATE : 18-01-04
DATE PRINTED : 02-03-04

DATE FILLED: _____

PULLED BY: _____

LT#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL			
					RESV IN LOT #	STAT QUANTITY			LOC QUANTITY	LOC DATE	BIN	
44	5362R98865103QYC IC Cont from prior page	EA	4.00				FN-21	120259 U19 U50 U51 U52 PULLED:	80.00	12-16-04		
45	M55342K06849D9R RESISTOR,CHIP,100W,49.9 ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	36398	SKCP2 FN-24	36398 R648 R649 R650 R651 PULLED:	21.00	03-23-00	CF3D	
			4.00				FN-24	114927 R648 R649 R650 R651 PULLED:	234.00	09-23-04		✓
46	M55342K0981F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114928	SKCP2 FN-27	114928 R391 R392 PULLED:	95.00	09-23-04		
			2.00				FN-27	114959 R391 R392 PULLED:	229.00	09-27-04		✓
47	M55342K0685E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114929	SKCP2 FN-30	114929 R642 R643 PULLED:	242.00	09-23-04		
			2.00				FN-30	114983 R642 R643 PULLED:	232.00	09-27-04		✓
48	M55342K06810E0R RESISTOR,CHIP,100W,10K 0 ORIGINAL QUANTITY...	EA	23.00	RSVD	23.00	114830	SKCP2 FN-31	114830 R145 R146 R147 R148 R149 R150 R151 R152 R153 R154 R155 R156 R157 R158 R159 R160 R161 R162 R163 R164 R165 R166 R167 R168 R169 R170 R171 R172 R173 R174 R175 R176 R177 R178 R179 R180 R181 R182 R183 R184 R185 R186 R187 R188 R189 R190 R191 R192 R193 R194 R195 R196 R197 R198 R199 R200 R201 R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 R216 R217 R218 R219 R220 R221 R222 R223 R224 R225 R226 R227 R228 R229 R230 R231 R232 R233 R234 R235 R236 R237 R238 R239 R240 R241 R242 R243 R244 R245 R246 R247 R248 R249 R250 R251 R252 R253 R254 R255 R256 R257 R258 R259 R260 R261 R262 R263 R264 R265 R266 R267 R268 R269 R270 R271 R272 R273 R274 R275 R276 R277 R278 R279 R280 R281 R282 R283 R284 R285 R286 R287 R288 R289 R290 R291 R292 R293 R294 R295 R296 R297 R298 R299 R300 R301 R302 R303 R304 R305 R306 R307 R308 R309 R310 R311 R312 R313 R314 R315 R316 R317 R318 R319 R320 R321 R322 R323 R324 R325 R326 R327 R328 R329 R330 R331 R332 R333 R334 R335 R336 R337 R338 R339 R340 R341 R342 R343 R344 R345 R346 R347 R348 R349 R350 R351 R352 R353 R354 R355 R356 R357 R358 R359 R360 R361 R362 R363 R364 R365 R366 R367 R368 R369 R370 R371 R372 R373 R374 R375 R376 R377 R378 R379 R380 R381 R382 R383 R384 R385 R386 R387 R388 R389 R390 R391 R392 R393 R394 R395 R396 R397 R398 R399 R400 R401 R402 R403 R404 R405 R406 R407 R408 R409 R410 R411 R412 R413 R414 R415 R416 R417 R418 R419 R420 R421 R422 R423 R424 R425 R426 R427 R428 R429 R430 R431 R432 R433 R434 R435 R436 R437 R438 R439 R440 R441 R442 R443 R444 R445 R446 R447 R448 R449 R450 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R462 R463 R464 R465 R466 R467 R468 R469 R470 R471 R472 R473 R474 R475 R476 R477 R478 R479 R480 R481 R482 R483 R484 R485 R486 R487 R488 R489 R490 R491 R492 R493 R494 R495 R496 R497 R498 R499 R500 R501 R502 R503 R504 R505 R506 R507 R508 R509 R510 R511 R512 R513 R514 R515 R516 R517 R518 R519 R520 R521 R522 R523 R524 R525 R526 R527 R528 R529 R530 R531 R532 R533 R534 R535 R536 R537 R538 R539 R540 R541 R542 R543 R544 R545 R546 R547 R548 R549 R550 R551 R552 R553 R554 R555 R556 R557 R558 R559 R560 R561 R562 R563 R564 R565 R566 R567 R568 R569 R570 R571 R572 R573 R574 R575 R576 R577 R578 R579 R580 R581 R582 R583 R584 R585 R586 R587 R588 R589 R590 R591 R592 R593 R594 R595 R596 R597 R598 R599 R600 R601 R602 R603 R604 R605 R606 R607 R608 R609 R610 R611 R612 R613 R614 R615 R616 R617 R618 R619 R620 R621 R622 R623 R624 R625 R626 R627 R628 R629 R630 R631 R632 R633 R634 R635 R636 R637 R638 R639 R640 R641 R642 R643 R644 R645 R646 R647 R648 R649 R650 R651 R652 R653 R654 R655 R656 R657 R658 R659 R660 R661 R662 R663 R664 R665 R666 R667 R668 R669 R670 R671 R672 R673 R674 R675 R676 R677 R678 R679 R680 R681 R682 R683 R684 R685 R686 R687 R688 R689 R690 R691 R692 R693 R694 R695 R696 R697 R698 R699 R700 R701 R702 R703 R704 R705 R706 R707 R708 R709 R710 R711 R712 R713 R714 R715 R716 R717 R718 R719 R720 R721 R722 R723 R724 R725 R726 R727 R728 R729 R730 R731 R732 R733 R734 R735 R736 R737 R738 R739 R740 R741 R742 R743 R744 R745 R746 R747 R748 R749 R750 R751 R752 R753 R754 R755 R756 R757 R758 R759 R760 R761 R762 R763 R764 R765 R766 R767 R768 R769 R770 R771 R772 R773 R774 R775 R776 R777 R778 R779 R780 R781 R782 R783 R784 R785 R786 R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R800 R801 R802 R803 R804 R805 R806 R807 R808 R809 R810 R811 R812 R813 R814 R815 R816 R817 R818 R819 R820 R821 R822 R823 R824 R825 R826 R827 R828 R829 R830 R831 R832 R833 R834 R835 R836 R837 R838 R839 R840 R841 R842 R843 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R855 R856 R857 R858 R859 R860 R861 R862 R863 R864 R865 R866 R867 R868 R869 R870 R871 R872 R873 R874 R875 R876 R877 R878 R879 R880 R881 R882 R883 R884 R885 R886 R887 R888 R889 R890 R891 R892 R893 R894 R895 R896 R897 R898 R899 R900 R901 R902 R903 R904 R905 R906 R907 R908 R909 R910 R911 R912 R913 R914 R915 R916 R917 R918 R919 R920 R921 R922 R923 R924 R925 R926 R927 R928 R929 R930 R931 R932 R933 R934 R935 R936 R937 R938 R939 R940 R941 R942 R943 R944 R945 R946 R947 R948 R949 R950 R951 R952 R953 R954 R955 R956 R957 R958 R959 R960 R961 R962 R963 R964 R965 R966 R967 R968 R969 R970 R971 R972 R973 R974 R975 R976 R977 R978 R979 R980 R981 R982 R983 R984 R985 R986 R987 R988 R989 R990 R991 R992 R993 R994 R995 R996 R997 R998 R999 R1000 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019 R1020 R1021 R1022 R1023 R1024 R1025 R1026 R1027 R1028 R1029 R1030 R1031 R1032 R1033 R1034 R1035 R1036 R1037 R1038 R1039 R1040 R1041 R1042 R1043 R1044 R1045 R1046 R1047 R1048 R1049 R1050 R1051 R1052 R1053 R1054 R1055 R1056 R1057 R1058 R1059 R1060 R1061 R1062 R1063 R1064 R1065 R1066 R1067 R1068 R1069 R1070 R1071 R1072 R1073 R1074 R1075 R1076 R1077 R1078 R1079 R1080 R1081 R1082 R1083 R1084 R1085 R1086 R1087 R1088 R1089 R1090 R1091 R1092 R1093 R1094 R1095 R1096 R1097 R1098 R1099 R1100 R1101 R1102 R1103 R1104 R1105 R1106 R1107 R1108 R1109 R1110 R1111 R1112 R1113 R1114 R1115 R1116 R1117 R1118 R1119 R1120 R1121 R1122 R1123 R1124 R1125 R1126 R1127 R1128 R1129 R1130 R1131 R1132 R1133 R1134 R1135 R1136 R1137 R1138 R1139 R1140 R1141 R1142 R1143 R1144 R1145 R1146 R1147 R1148 R1149 R1150 R1151 R1152 R1153 R1154 R1155 R1156 R1157 R1158 R1159 R1160 R1161 R1162 R1163 R1164 R1165 R1166 R1167 R1168 R1169 R1170 R1171 R1172 R1173 R1174 R1175 R1176 R1177 R1178 R1179 R1180 R1181 R1182 R1183 R1184 R1185 R1186 R1187 R1188 R1189 R1190 R1191 R1192 R1193 R1194 R1195 R1196 R1197 R1198 R1199 R1200 R1201 R1202 R1203 R1204 R1205 R1206 R1207 R1208 R1209 R1210 R1211 R1212 R1213 R1214 R1215 R1216 R1217 R1218 R1219 R1220 R1221 R1222 R1223 R1224 R1225 R1226 R1227 R1228 R1229 R1230 R1231 R1232 R1233 R1234 R1235 R1236 R1237 R1238 R1239 R1240 R1241 R1242 R1243 R1244 R1245 R1246 R1247 R1248 R1249 R1250 R1251 R1252 R1253 R1254 R1255 R1256 R1257 R1258 R1259 R1260 R1261 R1262 R1263 R1264 R1265 R1266 R1267 R1268 R1269 R1270 R1271 R1272 R1273 R1274 R1275 R1276 R1277 R1278 R1279 R1280 R1281 R1282 R1283 R1284 R1285 R1286 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1296 R1297 R1298 R1299 R1300 R1301 R1302 R1303 R1304 R1305 R1306 R1307 R1308 R1309 R1310 R1311 R1312 R1313 R1314 R1315 R1316 R1317 R1318 R1319 R1320 R1321 R1322 R1323 R1324 R1325 R1326 R1327 R1328 R1329 R1330 R1331 R1332 R1333 R1334 R1335 R1336 R1337 R1338 R1339 R1340 R1341 R1342 R1343 R1344 R1345 R1346 R1347 R1348 R1349 R1350 R1351 R1352 R1353 R1354 R1355 R1356 R1357 R1358 R1359 R1360 R1361 R1362 R1363 R1364 R1365 R1366 R1367 R1368 R1369 R1370 R1371 R1372 R1373 R1374 R1375 R1376 R1377 R1378 R1379 R1380 R1381 R1382 R1383 R1384 R1385 R1386 R1387 R1388 R1389 R1390 R1391 R1392 R1393 R1394 R1395 R1396 R1397 R1398 R1399 R1400 R1401 R1402 R1403 R1404 R1405 R1406 R1407 R1408 R1409 R1410 R1411 R1412 R1413 R1414 R1415 R1416 R1417 R1418 R1419 R1420 R1421 R1422 R1423 R1424 R1425 R1426 R1427 R1428 R1429 R1430 R1431 R1432 R1433 R1434 R1435 R1436 R1437 R1438 R1439 R1440 R1441 R1442 R1443 R1444 R1445 R1446 R1447 R1448 R1449 R1450 R1451 R1452 R1453 R1454 R1455 R1456 R1457 R1458 R1459 R1460 R1461 R1462 R1463 R1464 R1465 R1466 R1467 R1468 R1469 R1470 R1471 R1472 R1473 R1474 R1475 R1476 R1477 R1478 R1479 R1480 R1481 R1482 R1483 R1484 R1485 R1486 R1487 R1488 R1489 R1490 R1491 R1492 R1493 R1494 R1495 R1496 R1497 R1498 R1499 R1500 R1501 R1502 R1503 R1504 R1505 R1506 R1507 R1508 R1509 R1510 R1511 R1512 R1513 R1514 R1515 R1516 R1517 R1518 R1519 R1520 R1521 R1522 R1523 R1524 R1525 R1526 R1527 R1528 R1529 R1530 R1531 R1532 R1533 R1534 R1535 R1536 R1537 R1538 R1539 R1540 R1541 R1542 R1543 R1544 R1545 R1546 R1547 R1548 R1549 R1550 R1551 R1552 R1553 R1554 R1555 R1556 R1557 R1558 R1559 R1560 R1561 R1562 R1563 R1564 R1565 R1566 R1567 R1568 R1569 R1570 R1571 R1572 R1573 R1574 R1575 R1576 R1577 R1578 R1579 R1580 R1581 R1582 R1583 R1584 R1585 R1586 R1587 R1588 R1589 R1590 R1591 R1592 R1593 R1594 R1595 R1596 R1597 R1598 R1599 R1600 R1601 R1602 R1603 R1604 R1605 R1606 R1607 R1608 R1609 R1610 R1611 R1612 R1613 R1614 R1615 R1616 R1617 R1618 R1619 R1620 R1621 R1622 R1623 R1624 R1625 R1626 R1627 R1628 R1629 R1630 R1631 R1632 R1633 R1634 R1635 R1636 R1637 R1638 R1639 R1640 R1641 R1642 R1643 R1644 R1645 R1646 R1647 R1648 R1649 R1650 R1651 R1652 R1653 R1654 R1655 R1656 R1657 R1658 R1659 R1660 R1661 R1662 R1663 R1664 R1665 R1666 R1667 R1668 R1669 R1670 R1671 R1672 R1673 R1674 R1675 R1676 R1677 R1678 R1679 R1680 R1681 R1682 R1683 R1684 R1685 R1686 R1687 R1688 R1689 R1690 R1691 R1692 R1693 R1694 R1695 R1696 R1697 R1698 R1699 R1700 R1701 R1702 R1703 R1704 R1705 R1706 R1707 R1708 R1709 R1710 R1711 R1712 R1713 R1714 R1715 R1716 R1717 R1718 R1719 R1720 R1721 R1722 R1723 R1724 R1725 R1726 R1727 R1728 R1729 R1730 R1731 R1732 R1733 R1734 R1735 R1736 R1737 R1738 R1739 R1740 R1741 R1742 R1743 R1744 R1745 R1746 R1747 R1748 R1749 R1750 R1751 R1752 R1753 R1754 R1755 R1756 R1757 R1758 R1759 R1760 R1761 R1762 R1763 R1764 R1765 R1766 R1767 R1768 R1769 R1770 R1771 R1772 R1773 R1774 R1775 R1776 R1777 R1778 R1779 R1780 R1781 R1782 R1783 R1784 R1785 R1786 R1787 R1788 R1789 R1790 R1791 R1792 R1793 R1794 R1795 R1796 R1797 R1798 R1799 R1800 R1801 R1802 R1803 R1804 R1805 R1806 R1807 R1808 R1809 R1810 R1811 R1812 R1813 R1814 R1815 R1816 R1817 R1818 R1819 R1820 R1821 R1822 R1823 R1824 R1825 R1826 R1827 R1828 R1829 R1830 R1831 R1832 R1833 R1834 R1835 R1836 R1837 R1838 R1839 R1840 R1841 R1842 R1843 R1844 R1845 R1846 R1847 R1848 R1849 R1850 R1851 R1852 R1853 R1854 R1855 R1856 R1857 R1858 R1859 R1860 R1861 R1862 R1863 R1864 R1865 R1866 R1867 R1868 R1869 R1870 R1871 R1872 R1873 R1874 R1875 R1876 R1877 R1878 R1879 R1880 R1881 R1882 R1883 R1884 R1885 R1886 R1887 R1888 R1889 R1890 R1891 R1892 R1893 R1894 R1895 R1896 R1897 R1898 R1899 R1900 R1901 R1902 R1903 R1904 R1905 R1906 R1907 R1908 R1909 R1910 R1911 R1912 R1913 R1914 R1915 R1916 R1917 R1918 R1919 R1920 R1921 R1922 R1923 R1924 R1925 R1926 R1927 R1928 R1929 R1930 R1931 R1932 R1933 R1934 R1935 R1936 R1937 R1938 R1939 R1940 R1941 R1942 R1943 R1944 R1945 R1946 R1947 R1948 R1949 R1950 R1951 R1952 R1953 R1954 R1955 R1956 R1957 R1958 R1959 R1960 R1961 R1962 R1963 R1964 R1965 R1966 R1967 R1968 R1969 R1970 R1971 R1972 R1973 R1974 R1975 R1976 R1977 R1978 R1979 R1980 R1981 R1982 R1983 R1984 R1985 R1986 R1987 R1988 R1989 R1990 R1991 R1992 R1993 R1994 R1995 R1996 R1997 R1998 R1999 R2000 R2001 R2002 R2003 R2004 R2005 R2006 R2007 R2008 R2009 R2010 R2011 R2012 R2013 R2014 R2015 R2016 R2017 R2018 R2019 R2020 R2021 R2022 R2023 R2024 R2025 R2026 R2027 R2028 R2029 R2030 R2031 R2032 R2033 R2034 R2035 R2036 R2037 R2038 R2039 R2040 R2041 R2042 R2043 R2044 R2045 R2046 R2047 R2048 R2049 R2050 R2051 R2052 R2053 R2054 R2055 R2056 R2057 R2058 R2059 R2060 R2061 R2062 R2063 R2064 R2065 R2066 R2067 R2068 R2069 R2070 R2071 R2072 R2073 R2074 R2075 R2076 R2077 R2078 R2079 R2080 R2081 R2082 R2083 R2084 R2085 R2086 R2087 R2088 R2089 R2090 R2091 R2092 R2093 R2094 R2095 R2096 R2097 R2098 R2099 R2100 R2101 R2102 R2103 R2104 R2105 R2106 R2107 R2108 R2109 R2110 R2111 R2112 R2113 R2114 R2115 R2116 R2117 R2118 R2119 R2120 R2121 R2122 R2123 R2124 R2125 R2126 R2127 R2128 R2129 R2130 R2131 R2132 R2133 R2134 R2135 R2136 R2137 R2138 R2139 R2140 R2141 R2142 R2143 R2144 R2145 R2146 R2147 R2148 R2149 R2150 R2151 R2152 R2153 R2154 R2155 R2156 R2157 R2158 R2159 R2160 R2161 R2162 R2163 R2164 R2165 R2166 R2167 R2168 R2169 R2170 R2171 R2172 R2173 R2174 R2175 R2176 R2177 R2178 R2179 R2180 R2181 R2182 R2183 R2184 R2185 R2186 R2187 R2188 R2189 R2190 R2191 R2192 R2193 R2194 R2195 R2196 R2197 R2198 R2199 R2200 R2201 R2202 R2203 R2204 R2205 R2206 R2207 R2208 R2209 R2210 R2211 R2212 R2213 R2214 R2215 R2216 R2217 R2218 R2219 R2220 R2221 R2222 R2223 R2224 R2225 R2226 R2227 R2228 R2229 R2230 R2231 R2232 R2233 R2234 R2235 R2236 R2237 R2238 R2239 R2240 R2241 R2242 R2243 R2244 R2245 R2246 R2247 R2248 R2249 R2250 R2251 R2252 R2253 R2254 R2255 R2256 R2257 R2258 R2259 R2260 R2261 R2262 R2263 R2264 R2265 R2266 R2267 R2268 R2269 R2270 R2271 R2272 R2273 R2				

DEFECT RECORD REPORT

ID: 29234

PART NUMBER: LA1-DS 01646

WORK ORDER: 112004

SALES ORDER: F17203

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: HUBBARD

OFFE SOLDER: 4153

OFFE ASSEMBLY: 5203

DATE: 2/8/2005

WEEK CODE: 8

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
104	1	1347	A338		MIS REGISTRATION	U53	PIN 8 ✓
104	1	1347	A338		MIS REGISTRATION	U54	1 SIDE ✓
104	1	1347	A341		COPLANARITY / LEAD NOT SEATED PROPE	U64	PIN 16 ✓
104	1	1347	A341		COPLANARITY / LEAD NOT SEATED PROPE	U47	PIN 9 ✓
104	1	1347	S402		INSUFFICIENT SOLDER	C253	
104	12	1347	S402		INSUFFICIENT SOLDER	U54	U3, U61, U5, U60, U58, U56, U55, U4, U57, U59, U5 ✓
104	1	1347	S407		NON SOLDERED CONNECTION	U54	PIN 1 ✓
104	1	1347	S407		NON SOLDERED CONNECTION	U53	PIN 1 ✓
104	1	1347	S407		NON SOLDERED CONNECTION	U42	
104	2	1347	S413		BRIDGING	U3	
104	2	1347	S413		BRIDGING	U6	

Rewrkd
Df 1648
2-10-05

2/14/05

DEFECT RECORD REPORT

ID: 29643

PART NUMBER: LAT-DS-01646

WORK ORDER: 112004

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: HAND SOLDER

INSPECTION LEVEL: 1

INSPECTOR: VANDEVER

OFE SOLDER: 217

OFE ASSEMBLY: 236

DATE: 2/24/2005

WEEK CODE: 10

SERIAL NO. QUANTITY OPERATOR DEFECT CODE WORKCELL

GT104	1	1857	A307	
GT104	1	1857	A307	
GT104	1	1857	A307	
GT104	1	1941	A307	
GT104	1	1941	A307	

REF DES PIN NOTES

D4				
D5				
D3				
R1				
R2				

Reworked 2-24-05 H6 #1941
Reworked 2-24-05 H6 #1941

CCA PIN: LAT-DS-01646 GLAT 1755 GT104

W.O. #: 112004

CC Tech: HN (Initial / Employee #)

Date: 5/10/05

MIX RATIOS

Coating TYPE: HRATHANE Mfr: HUNTSMAN

Lot Number: AK4GB8013A Expiration Date: 6/30/05

MIX RATIOS: 18PBW 5750-A TO 100PBW 5750-B








AIR CURE: 5/10/05 11:00PM TO 7:00AM

OVEN CURE: 5-11-05 7:00AM - 9:30AM

REWORK TRAVELER

SO NO: F17200	PART NO: LAT-DS-01646	REV: -
ASSEMBLY NAME: CCA,SLAC-GLAST, TEM		QTY: 1

APPROVAL							
G. POZZI	3-08-05	G. POZZI	3-08-05	K. HANRAHAN	3/8/05	MORA	3-9-05
PREPARED BY	DATE	ENG MGR	DATE	PROD MGR	DATE	QA MGR	DATE


STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: _____ GT104 GLAT1755 _____ <u>NEMR 2236</u>			
2	CLEAN AREA AROUND J1-58 AND J1-67 WITH ALCOHOL		<u>03-14-05</u>	
3	BOND PADS, J1-58 AND J1-67 TO BOARD PER IPC7721 METHOD#4.4.1, LIFTED LAND REPAIR EPOXY METHOD. USE LOCTITE/ HYSOL ADHESIVE # 0151. RECORD PO# <u>31403</u> EXPIRATION DATE <u>01-31-07</u>		<u>03-14-05</u>	
4	BAKE AT 170 TO 180 DEGREES F FOR 1 HOUR		<u>03-14-05</u>	
5	INSPECTION		<u>3/14/05</u>	
6	ADD A JUMPER WIRE FROM J1-58 TO J1-59. PER IPC 7721 METHOD 3 6.1. USE MAGNET WIRE 22 AWG PN J-W-1177/14-22-0 RECORD PO# <u>96623</u> LOT # <u>91501</u> <u>ADD JUMPER AT THE TIME I COVERED WIRES FROM 5/1/05</u>		<u>3-14-05</u>	
7	INSPECTION		<u>3/22/05</u>	
8	SOURCE INSPECTION		<u>3/22/05</u>	

REWORK TRAVELLER

SO NO: F17300	PART NO: SLAC LAT-DS-01646	REV: 56
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ASSEMBLY NAME: TEM CCA	QTY: 1
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APPROVAL <i>(Original signed editions reserved for copying)</i>							
G. POZZI	4-18-05	G. HEFFKIN	4-18-05	K. BERGTHOLDT	4/18/05	P. LUJAN	
PREPARED BY	DATE	ENG MGR SUP	DATE	QA MGR Ent	DATE	SLAC SOURCE	DATE 4-19-05

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT- <u>104</u> GLAT-_____	<i>me</i> 1337	5/4/05	
2	OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. NO SOLDER BALLS ALLOWED.	<i>me</i> 1337	5/4/05	1:00
3	AQUEOUS CLEAN USING RECIPE #3	<i>me</i> 1337	5/4/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	<i>me</i> 1337	5/4/05	.5
5	SOURCE INSPECTION		5/4/05	



WORK CELL: 4-MIXED

CUSTOMER: SLAC

IV PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

Assy # N/A-DS-02588
ASSY: CABLE, CONN, JEM

WO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SQ#
PO# 0000048799

CUST #
QTY 19
PROJECT# P17200
CUST# 15356

***** SERIAL NUMBER LISTING *****

N/A

APPROVAL
PROD *PH 2/4/05*
QA *PH 2.4.05*

***** WORKMANSHIP *****

ANSI-J-STD-001C CLASS 3; OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOC QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV & DATE

(wobdr rev 05.19.04 gih)

LI: DEPT MACH# OP# DESCRIPTION..... SEC-UP RUN... HOURS LINE-MACH ST-LOT.



100 00 CONFIG RECORD/SETTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
ASSY & PL: LAT-DS-02588 51 NONE
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC

***** BUILD DOCUMENTS *****
USE... TRAVELER AND DRAWING
*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.02.05

DATE.... QTY.. REMARKS..... STATUS

2.4.05 _____ *PH*



WORK CELL: 4-MIXED

CUSTOMER: SLAC

7 PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASSY/PN# LAT-DS-07598
ASSY. CABLE, CONN, TEM

WO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SO#
PO# 0000048799

CUST P#
QTY 19
PROJECT# P17200
CUST# 19356

LINE	DEPT	MACH#	OP#	DESCRIPTION	HOURS			ST-LOT
					SET-UP	RUN	LINE-MACH	
2	201	00		STOCKROOM/KITTING AREA KIT PARTS/MATERIALS	0.0000	0.0000	0.0000	



2 201 00 STOCKROOM/KITTING AREA
KIT PARTS/MATERIALS 0.0000 0.0000 0.0000

* WIRE, CRIMP PINS, AND CONNECTOR.

DATE	QTY	REMARKS	STATUS
2/10/05	19		OK

WORK CELL: 4-MIXED

CUSTOMER: STAN

PRODUCTION

WORK ORDER TRAVELLER NEW

ASSY/PNS LAT-DS-02588
ASSY, CABLE, CONN. TEM

WOS 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SOL
POS 0000048799

CUST #
CITY 19
PROJECT # 117200
COST # 15356

PAGE 3

Step 1-4
m 1337
4/26/05
move to start p. 3A
Jetha

LI# DEPT MACH# OF# DESCRIPTION SET-UP RIN... LINE-MACH ST-LOT



3 220 00 CABLE/HARNESS ASSY AREA 0.0000 0.0000 0.0000

CUT WIRE, STRIP WIRE,
CRIMP PIN CONTACTS,
TIN LEADS.

CRIMP TEST SETUP - GTC-2081.

CUT 6 PIECES OF WIRE 3/8" TO 9" LONG, FOR FULL TESTS.
USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

STRIPPING METHOD - ALL ASSEMBLY AND TEST ACTIVITY...

USE SCISSOR PNEUMATIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES. A STRIP LENGTH OF 1/4" AND LEAVES THE INSULATION SLUG IN PLACE.

PRE-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY stats DATE: 2/19/05 STATUS Pass
R. Morrison 1970

ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.

2) STRIP THE INSULATION LEAVING THE SLUG. ~~1/4" (1.25")~~

3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.

CUT 3 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM # 89

CUT 3 PIECES TO 1" (1.000") LONG. USE PROGRAM # 90

4) STRIP SECOND END USING THERMAL TWEEZERS, 3/16"

5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.

6) FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

POST-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY Rn 1970 DATE: 2/19/05 STATUS Pass

DATE	QTY	REMARKS	STATS
2/19/05	4500	8 7/8 (39) & 1 1/8 (39) @ 4 each	RN1970
3.10.05	8	1 1/8 (350) 1" (200) 1 5/16 (175)	H.G. #1941
3.11.05	8	1 1/8 strips	H.G. #1941

Equipment CHANGE: EUBANKS
3/16" strip length to 1/4"
(19)
Pass Crimp Tensile Strength Sheet attached

1, 2, 3 & 4 - performed using S. J.
3/16 (19)
ON EUBANKS

GTC-A-463
K42 - 7mm

3.11.05 & 5/16 strips H.G. #1941
3.11.05 crimps 1 5/16 H.G. #1941
3-10-05 MV 1942 1" str
3-17-05 turning H.G. #1941 1 5/16
3-14-05 crimp/tin 1" (46) H.G. #
3-14-05 crimp/tin 1 1/8 (96) H.G. #
3-14-05 crimp/tin 1 1/8 (235) H.G. #
3-14-05 crimp/tin (126) 1" H.G. #K

* pre-Asst crimp test 2.28.05 Pass H.G. #1941
pre-Asst crimp test 3.10.05 Pass H.G. #1941
u 3.20.05 Pass H.G. #1941
u 3.30.05 Pass H.G. #1941
no crimping on 3.40.05
pre-Asst crimp test 3.5.05 Pass H.G. #1941
u 3.7.05 Pass H.G. #1941
pre-Asst crimp test 3.14.05 Pass H.G. #1941
u 3.21.05 Pass H.G. #1941

See page
3A - continued
Jetha

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/PN# LAT-DS-02555
ASSY, CABLE, CONN, TRM

WOR 112026
REQ DATE 02-04-05
REL DATE 01-31-05
CO#
PO# 0000048795

CUST P#
QTY 19
PROJECT# F17200
CUST# 19356

LIST DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLD-78 ASSY-312

- INSPECT WIRE COUNT, STRIPS, CRIMPS, TINNING, AND CLEANING.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4 4	7/8" 39 pieces	(GTC) (19)
	A	1/8" 39 pieces	(GTC) (19)
3/4/05		(Redone)	(GTC) (19)



5 220 00 CABLE/HARNESS ASSY AREA 0.0000 0.0000 0.0000
OP#: SLD-78 ASSY-78

- INSERT TERMINATED WIRES TO CONNECTOR.
- INSERT LONGER WIRES (1-5/16") INTO HOLE NUMBERS 1 THRU 20
- INSERT SHORT WIRES (1/8") INTO HOLE NUMBERS 60 THRU 78.
- ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

strips, crimps & things (GTC) (19) 3/14/05
1" strip 3/11/05 (GTC) (19)
insert 1/8" wires into 21 through 459
 3-21-05 3 completed H.G.#194

DATE	QTY	REMARKS	STATUS
2/17/05	4		RM1970
3-15-05	2		H.G.#1941
3-21-05	1		H.G.#1941



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLD-0 ASSY-78

- INSPECT INSERTED WIRES.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#(S)

ROUTE FOR WO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01645

DATE	QTY	REMARKS	STATUS
2/17/05	4	AMP206504-1 Conn	(GTC) (19)
		inserts step 5.	(GTC) (19)
3-15-05	2	AMP206504-1 Conn, which inserts	(GTC) (19)
3/21-05	1		(GTC) (19)
3/22/05	3	Conn.	(GTC) (19)

WK ORDER : 112076

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02588
QUANTITY : 19
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-04-05
RELEASE DATE : 01-31-05
DATE PRINTED : 02-07-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL						
			REQUIRED QUANTITY	CURR STATUS			LOT	LOT DATE	BIN	QUANTITY..	LOT LIFE	BINLOC	QUANTITY..
1	206504-1 AMPLIMITE	EA	1.00	RSVD	19.00 114794	SKCF2 FN-1	114794	22.00	09-23-04				
	ORIGINAL QUANTITY...		19.00			PULLED:							

The following parts have been defined as alternates for 206504-1:
Line 1.1 311F407-SP-B-15 1 PER
Partial quantity replacements are allowed.

2	M22759/11-24-9 WIRE, 24AWG, WHITE	LN	102.00	RSVD	1938.00 115299	SKCF2 FN-3	115299	35934.00	09-01-04				
	ORIGINAL QUANTITY...		1938.00			PULLED:							

3	204370-8 PIN, CRIMP	EA	84.00	RSVD	1596.00 114796	SKCF2 FN-2	114796	1997.00	09-23-04	IN ASSY			
	ORIGINAL QUANTITY...		1596.00			PULLED:							

The following parts have been defined as alternates for 204370-8:
Line 3.1 GOSP1 1 PER
Partial quantity replacements are allowed.

						FN-2	115041	972.00	09-23-04	F17200			
						PULLED:							

0750

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHODA MARRON / 1970	TEST DATE
CONTACT PN:	204370-8	2/09/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A-930)	RHODA MARRON 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHA TRON MPF 2001 (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	11.8	12.9	12.9
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

1500

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	1	TEST DATE
CONTACT PN:		2/09/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC-)	Rizzo Manual 1970
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		112026
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.2	13.4	13.5
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}		✓	✓
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

0830

CRIMP TENSILE STRENGTH

LAT-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHODA MARLOW 1 1970	TEST DATE
CONTACT PN:	204370-8	2-15-05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A 830)	RHODA MARLOW 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-01 (GTC-A 831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MPF 200A (6-17-04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	12.8	13.5	13.3
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input checked="" type="radio"/> PASS	<input checked="" type="radio"/> PASS
	FAIL	FAIL	FAIL
	Type of Separation Observed		
SLIP (pull out) {a}	✓	✓	✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✗	✗	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

130215 1355

CRIMP TENSILE STRENGTH

LAT-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	1	TEST DATE
CONTACT PN:		2/15/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC-)	Rhoda Marmont
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		1102112026
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.3	12.6	13.3
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
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CRIMP TENSILE STRENGTH

Lot-05-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Heckie Gray 1#1941	TEST DATE
CONTACT PN:	704370-8	2.28.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1.820)	Heckie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 1.631)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alphatron MPF200A (61104) 1.18.05	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.0	12.0
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
Type of Separation Observed			
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

8:45 a.m.

CRIMP TENSILE STRENGTH Lot-AS-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1*941	TEST DATE
CONTACT PN:	204370-B	3.1.05
WIRE PN:	M72759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22570 / 2-01 (GTC 1.830)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22570 / 2-09 (GTC 1.831)	WORK ORDER NO.
SELECTOR VALUE:	3	117026
TEST EQUIP # (Last CAL date):	Alphatron MPF 20-A (6-10-04) 11805	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.8	13.5	13.8
PASS/FAIL (circle test result)	PASS	FAIL	PASS
		PASS	FAIL
			PASS
			FAIL
	Type of Separation Observed		
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

7:47 a.m.

CRIMP TENSILE STRENGTH Lot-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE-PROD

POST-PROD

CRIMP OPERATOR NAME/EMP #:

Herbie Gray 1#7941

TEST DATE

3.3.05

CONTACT PN:

204370-8

WIRE PN:

M22799 / 11-24-9

TESTED BY

Herbie Gray

CRIMP TOOL PN (GTC Tool #):

M2290 / 2-01 (GTC 830)

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-01 (GTC 831)

WORK ORDER NO.

112026

SELECTOR VALUE:

3

TEST EQUIP # (Last CAL date):

Aluminum MPF 20A ~~11/20/05~~ 6.17.04

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.5

13.6

13.4

PASS/FAIL (circle test result)

PASS

FAIL

PASS

FAIL

PASS

FAIL

Type of Separation Observed

SLIP (pull out) (a)

CONDUCTOR BROKEN IN CRIMP
AREA (some or all) (b)CONTACT BROKEN IN CRIMP
AREA (some or all) (c)CONDUCTOR BROKEN OUTSIDE
CRIMP AREA (not in gripping area)
(d)CONTACT BROKEN OUTSIDE OF
CRIMP AREA (e)

OTHER (define) (f)

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH Lot 115-02583

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE 3/4/05 TESTED BY Herbie Gray WORK ORDER NO. 112026
CONTACT PN:	204370-8	
WIRE PN:	M 22759 / 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M 22759 / 2-01 (GTC # 102)	
DIE/LOCATOR PN (GTC Tool #):	M 22759 / 2-01 (GTC # 831)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	HPA 101 MPT-2004 (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	12.9	13.2
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
	Type of Separation Observed		
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH

LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 # 1441	TEST DATE
CONTACT PN:	204370-8	3.21.05
WIRE PN:	M22759 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 2-01 (GTC #1000)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 2-09 (GTC #.836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alperton MPT-200A (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.6	13.4	13.8
PASS/FAIL (circle test result)	PASS	FAIL	PASS
	PASS	FAIL	PASS
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

Assy LAT-DS-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<u>PRE - PROD</u>	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Dora 11337	TEST DATE
CONTACT PN:	204370-8 (G08P1)	4/28/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A111)	Dora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	6/17/04 ^{DEC 6/17/04} GTC-958	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.7	13.5	13.4
PASS/FAIL (circle test result)	<u>PASS</u> FAIL	<u>PASS</u> FAIL	<u>PASS</u> FAIL
	Check Failure Mode Observed		
SLIP (pull out) (a)	13.7 ✓		✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

Assy LAT-D5-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Nara 11337	TEST DATE
CONTACT PN:	204370-8 (608PI)	4/28/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A610)	Nara
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	6/17/04 ^{Due} 6/17/05 (GTC PS11)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.0	13.4	13.2
PASS/FAIL (circle test result)	PASS	FAIL	PASS
		PASS	FAIL
			PASS
			FAIL
	Check Failure Mode Observed		
SLIP (pull out) (a)		✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓		
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

GENERAL TECHNOLOGY CORPORATION

NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	2294	CUSTOMER RETURN	<input type="checkbox"/>
DATE	4/11/2005	RMA NUMBER	
CUSTOMER	SLAC	QUANTITY RETURNED	
CUSTOMER CONTACT	Pat Lujan	VENDOR DEFECT	<input type="checkbox"/>
VENDOR		QUANTITY REJECTED	
PART NUMBER	LAT-DS-02388	PRODUCTION DEFECT	<input checked="" type="checkbox"/>
LOT QUANTITY	8	QUANTITY REJECTED	8
SALES ORDER	F17300	REWORK REQUIRED	<input type="checkbox"/>
PURCHASE ORDER	48800	QUANTITY REWORKED	0
LOT NUMBER		PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	112064	PURCHASING QUANTITY REJECTED	
INITIATOR	Pat Lujan		
ASSIGNED TO	SLAC		
DATE REQUIRED			
ASSIGNED TO SIGNATURE	Pat Lujan		
DISCREPANCY	<p>IS: Insufficient staking on tantalum capacitors.</p> <p>S/B: Staking material should be in contact with both endfaces of the component.</p> <p>GLAT SN's 1774, 1775, 1776, 1778, 1779, 1780, 1781, 1782</p>		
NOTES	<p>Per MRB Telecon held 4-15-2005:</p> <p>Staking of sleeved Ta capacitors on TPS CCA LAT-DS-02388 is acceptable as is. Capacitors are staked along entire length but no staking comes in direct contact with the capacitor body. A thin bead of staking compound would have to be applied to the ends of the capacitor to reach inside the open ends of the sleeving. Photos of typical staking of the capacitors were reviewed and MRB agreed that the existing staking along with conformal overcoat would provide sufficient mechanical staking of the Ta capacitors to the CCA. Rework is not required for any staked Ta capacitors on TPS CCAs.</p>		
CAUSE	<p>Misinterpretation of Staking Specification. J-STD-001C3 Para. 10.3 d</p>		
CORRECTIVE ACTION	<p>All personnel involved in this operation to receive additional training. This includes the SLAC on site QA representative.</p> <p>SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001C3</p>		
FINAL DISPOSITION	USE AS IS		
Q/A APPROVAL	E-mails on file		
Q/A APPROVAL DATE	4/15/2005		

GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	2305	CUSTOMER RETURN	<input type="checkbox"/>
DATE	4/14/2005	RMA NUMBER	
CUSTOMER	SLAC	QUANTITY RETURNED	
CUSTOMER CONTACT	Pat Lujan	VENDOR DEFECT	<input type="checkbox"/>
VENDOR		QUANTITY REJECTED	
PART NUMBER	LAT-DS-02338	PRODUCTION DEFECT	<input checked="" type="checkbox"/>
LOT QUANTITY	19	QUANTITY REJECTED	19
SALES ORDER	F17300	REWORK REQUIRED	<input checked="" type="checkbox"/>
PURCHASE ORDER	46800	QUANTITY REWORKED	19
LOT NUMBER		PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	112084	PURCHASING QUANTITY REJECTED	
INITIATOR	Pat Lujan		
ASSIGNED TO	SLAC		
DATE REQUIRED	4/25/2005		
ASSIGNED TO SIGNATURE	SLAC		
DISCREPANCY	<p>IS: On components Q10, Q11, and Q12 solder is grainy and cold exhibiting evidence of gold embrittlement.</p> <p>SB: Should exhibit a properly wetted solder joint.</p> <p>This condition exists on GT104 thru GT122, GLAT 1774 thru GLAT 1792.</p>		
NOTES	<p>Per MRB Telecon held 4-15-2005: MRB concluded to remove and replace mosfets (P/N IRHNJ557034SCS, DLC 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-trimmed prior to surface mount. Grainy, discolored solder joints indicated excessive gold contamination that could result in embrittling the joint.</p>		
CAUSE	<p>Parts were provided in bulk to GTC. GTC outsourced tape and reel operation. Parts were not pre-trimmed prior to Surface Mount Assembly.</p>		
CORRECTIVE ACTION	<p>Schedule a MRB meeting with SLAC and GTC to determine method of removal, pre-trim, and reworking of these components.</p> <p>Remove and replace with properly removed Gold per J-STD-001CS Para. 5.4.1.</p> <p>SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.</p>		
FINAL DISPOSITION	REWORK		
Q/A APPROVAL	E-mails on file		

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

Q/A APPROVAL DATE

4/15/2005

COST OF QUALITY

GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	<input type="text" value="2323"/>	CUSTOMER RETURN	<input type="checkbox"/>
DATE	<input type="text" value="4/25/2005"/>	RMA NUMBER	<input type="text"/>
CUSTOMER	<input type="text" value="SLAC"/>	QUANTITY RETURNED	<input type="text"/>
CUSTOMER CONTACT	<input type="text" value="Pat Lujan"/>	VENDOR DEFECT	<input type="checkbox"/>
VENDOR	<input type="text"/>	QUANTITY REJECTED	<input type="text"/>
PART NUMBER	<input type="text" value="LAT-DS-02388"/>	PRODUCTION DEFECT	<input type="checkbox"/>
LOT QUANTITY	<input type="text" value="19"/>	QUANTITY REJECTED	<input type="text"/>
SALES ORDER	<input type="text" value="F17300"/>	REWORK REQUIRED	<input checked="" type="checkbox"/>
PURCHASE ORDER	<input type="text" value="48800"/>	QUANTITY REWORKED	<input type="text" value="19"/>
LOT NUMBER	<input type="text" value="All TPS"/>	PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	<input type="text"/>	PURCHASING QUANTITY REJECTED	<input type="checkbox"/>
INITIATOR	<input type="text" value="Pat Lujan"/>		
ASSIGNED TO	<input type="text" value="Tarkington"/>		
DATE REQUIRED	<input type="text" value="4/28/2005"/>		
ASSIGNED TO SIGNATURE	<input type="text"/>		
DISCREPANCY	<input type="text" value="IS: Cable Tie are trimmed below strap head.
Should Be: Per NASA-STD-8739.4 Para. 9.6.2. Cable ties should be trimmed flush at the strap head."/>		
NOTES	<input type="text" value="During Qual - 2 the material used to stake the cable tie heads did not adhere properly. The requirement was deleted from the drawing."/>		
CAUSE	<input type="text" value="Tool used to install cable ties was not adjusted properly."/>		
CORRECTIVE ACTION	<input type="text" value="Install cable ties with properly adjusted tool or manually Per NASA-STD_8739.4 Para. 9.6.2. Stake with Hysol C151. Add Staking requirements to drawing. Rework all assemblies per rework traveler."/>		
FINAL DISPOSITION	<input type="text" value="REWORK"/>		
Q/A APPROVAL	<input type="text" value="E-mails on file"/>		
Q/A APPROVAL DATE	<input type="text" value="4/15/2005"/>		
COST OF QUALITY	<input type="text"/>		

GENERAL TECHNOLOGY CORPORATION

NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	<input type="text" value="2236"/>	CUSTOMER RETURN	<input type="checkbox"/>
DATE	<input type="text" value="2/28/2005"/>	RMA NUMBER	<input type="text"/>
CUSTOMER	<input type="text" value="SLAC"/>	QUANTITY RETURNED	<input type="text"/>
CUSTOMER CONTACT	<input type="text" value="PAT LUJAN"/>	VENDOR DEFECT	<input type="checkbox"/>
VENDOR	<input type="text"/>	QUANTITY REJECTED	<input type="text"/>
PART NUMBER	<input type="text" value="LAT-DS-01646"/>	PRODUCTION DEFECT	<input checked="" type="checkbox"/>
LOT QUANTITY	<input type="text" value="1"/>	QUANTITY REJECTED	<input type="text"/>
SALES ORDER	<input type="text" value="F17200"/>	REWORK REQUIRED	<input checked="" type="checkbox"/>
PURCHASE ORDER	<input type="text" value="0000048799"/>	QUANTITY REWORKED	<input type="text"/>
LOT NUMBER	<input type="text"/>	PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	<input type="text" value="112004"/>	PURCHASING QUANTITY REJECTED	<input type="text"/>
INITIATOR	<input type="text" value="G. POZZI"/>		
ASSIGNED TO	<input type="text"/>		
DATE REQUIRED	<input type="text"/>		
ASSIGNED TO SIGNATURE	<input type="text"/>		
DISCREPANCY	<input type="text" value="TWO PADS LIFTED ON J1. J1-58 IS 50% LIFTED. J1-67 IS LESS THAN 5% LIFTED."/>		
NOTES	<input type="text" value="Reference: J1-58 is tied to trk_dgnd 0, and to J159 and J1-78
J1-67 is tied to VDD B at R137.
Request Customer Approval to repair per attached Suggest Repair memo"/>		
CAUSE	<input type="text" value="Wiring on connector was too short. When the posts were placed under the connector, these two pads were stressed"/>		
CORRECTIVE ACTION	<input type="text" value="Remove connector to view pad damage. Once the connector wiring is removed we will evaluate the lifted pads."/>		
FINAL DISPOSITION	<input type="text" value="GET CUSTOMER APPROVAL"/>		
Q/A APPROVAL	<input type="text" value="Handwritten signature"/>		
Q/A APPROVAL DATE	<input type="text" value="2/1/05"/>		
COST OF QUALITY	<input type="text"/>		



March 1, 2005

NCMR # 2236

SLAC
LAT-DS-01646
SN: GT104
SO# F17200
PO # 0000048799
WO# 112004

Lifted Pads on J1-58 and J1-67

Suggested Repair:

J1-67 has a corner of the pad lifted, less than 5% of pad.
J1-67 is tied to R137, (VDD B).

1. Epoxy pad back down onto board per IPC 7721 Method # 4.4.1, Lifted Land Repair Epoxy Method.

J1-58 has 50% of the pad lifted.
J1-58 is tied to J1-59, and J1-78, (TRK_DGND 0).

2. Epoxy pad back down onto board per IPC 7721 Method # 4.4.1, Lifted Land Repair Epoxy Method.
3. Add a jumper wire from J1-58 to J1-59, per IPC 7721 Method # 6.1. Use 24 AWG wire.

Gregory Pozzi
Manufacturing Engineer
Mixed Cell
505-345-5591 X 3031

ELDEC

GENERAL TECHNOLOG

HYDRO-AIRE

INTERPOINT

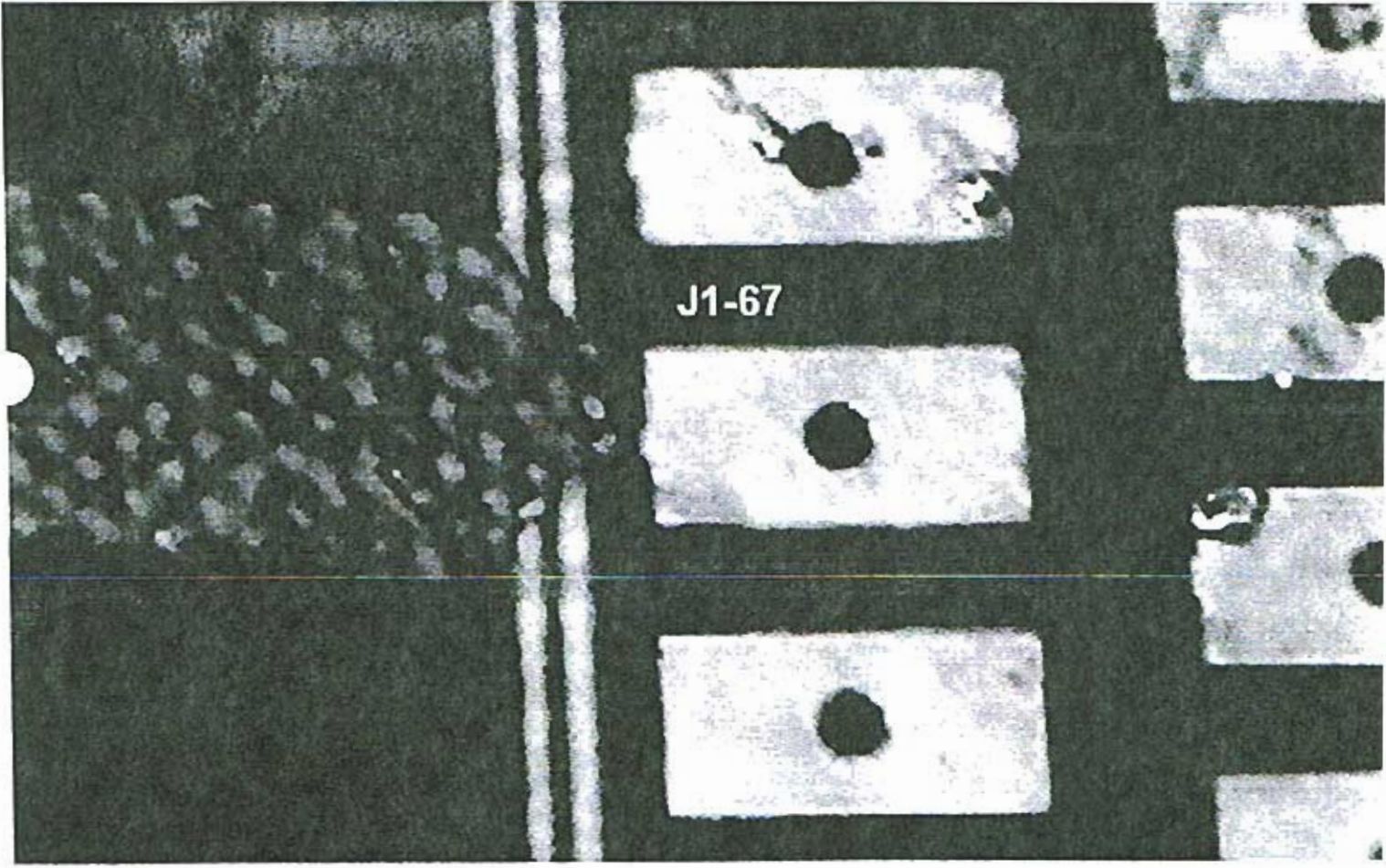
LEAR ROMEC

P.L. PORTER

RESISTOFLEX

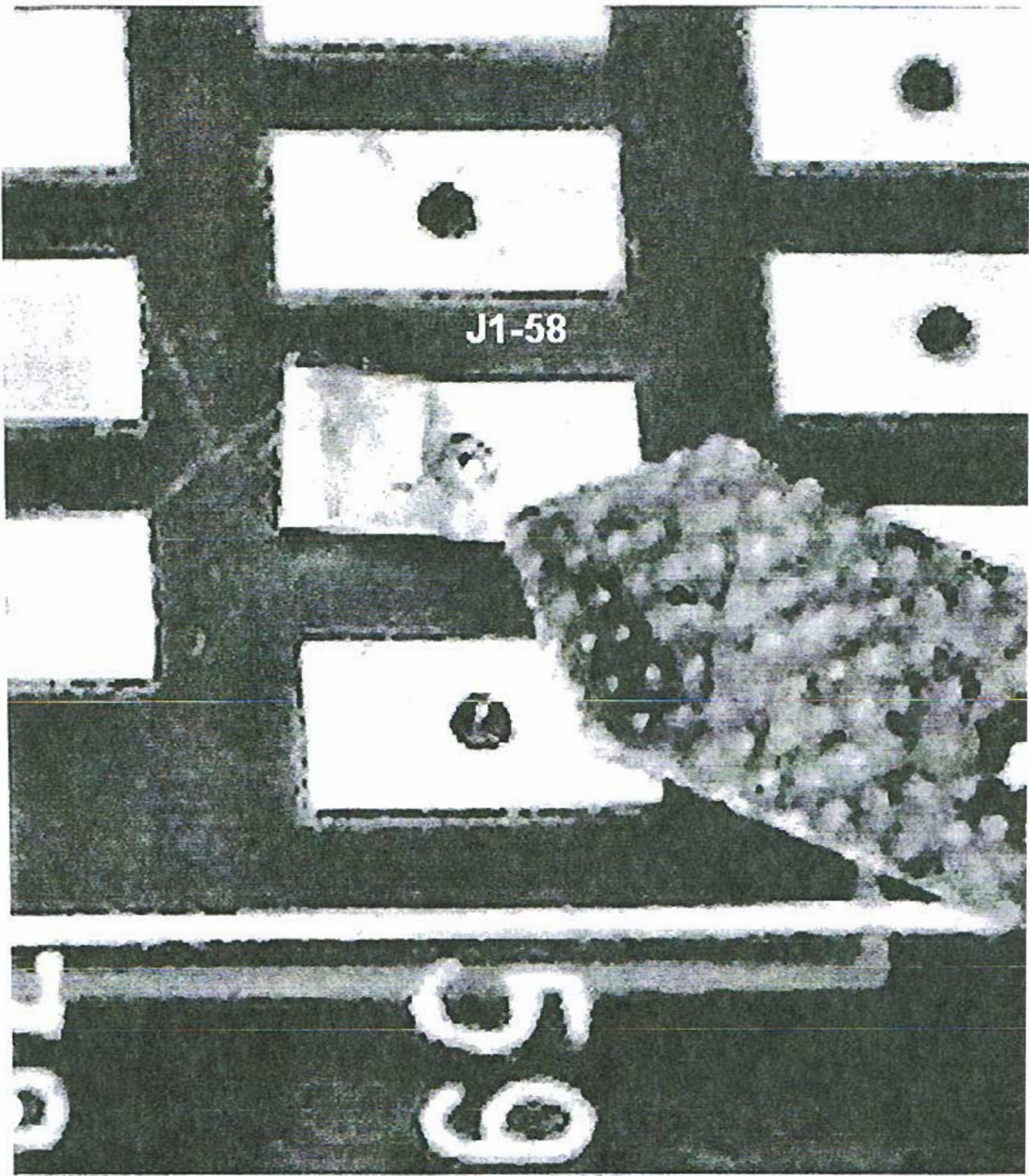
SIGNAL TECHNOLO

General Technology
1450 Mission Avenue NE
Albuquerque, NM 87111
505 345 5591
505 343 7553 fax
info@gti-corp.com



J1-67

J1-58





March 1, 2005

NCMR # 2236

SLAC
LAT-DS-01646
SN: GT104
SO# F17200
PO # 0000048799
WO# 112004

Lifted Pads on J1-58 and J1-67

Suggested Repair:

J1-67 has a corner of the pad lifted, less than 5% of pad.
J1-67 is tied to R137, (VDD B).

1. Epoxy pad back down onto board per IPC 7721 Method # 4.4.1, Lifted Land Repair Epoxy Method.

J1-58 has 50% of the pad lifted.
J1-58 is tied to J1-59, and J1-78, (TRK_DGND 0).

2. Epoxy pad back down onto board per IPC 7721 Method # 4.4.1, Lifted Land Repair Epoxy Method.
3. Add a jumper wire from J1-58 to J1-59, per IPC 7721 Method # 6.1. Use 24 AWG wire.

Gregory Pozzi
Manufacturing Engineer
Mixed Cell
505-345-5591 X 3031

ELDEC

GENERAL TECHNOLOG

HYDRO-AIRE

INTERPOINT

LEAR-ROMEC

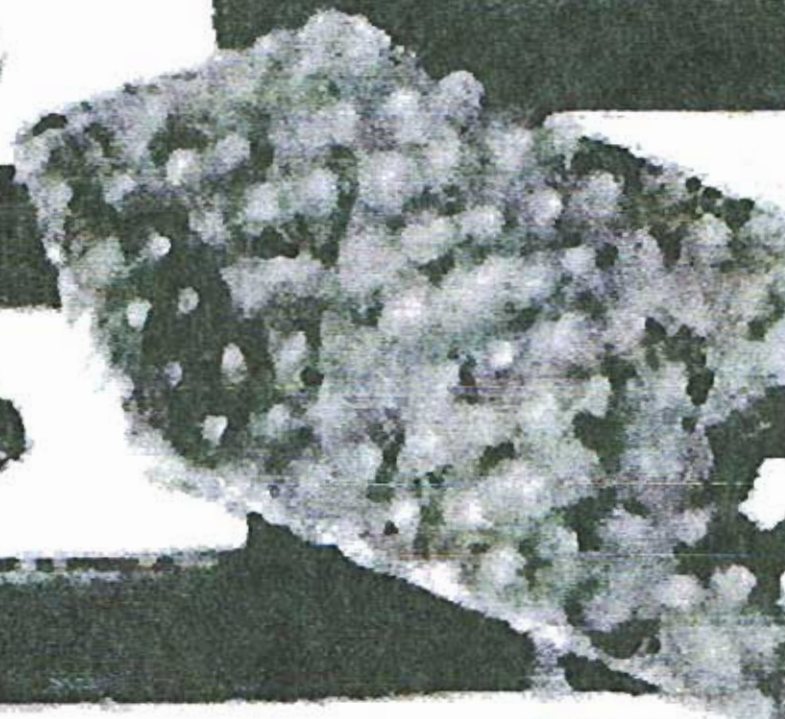
P.L. PORTER

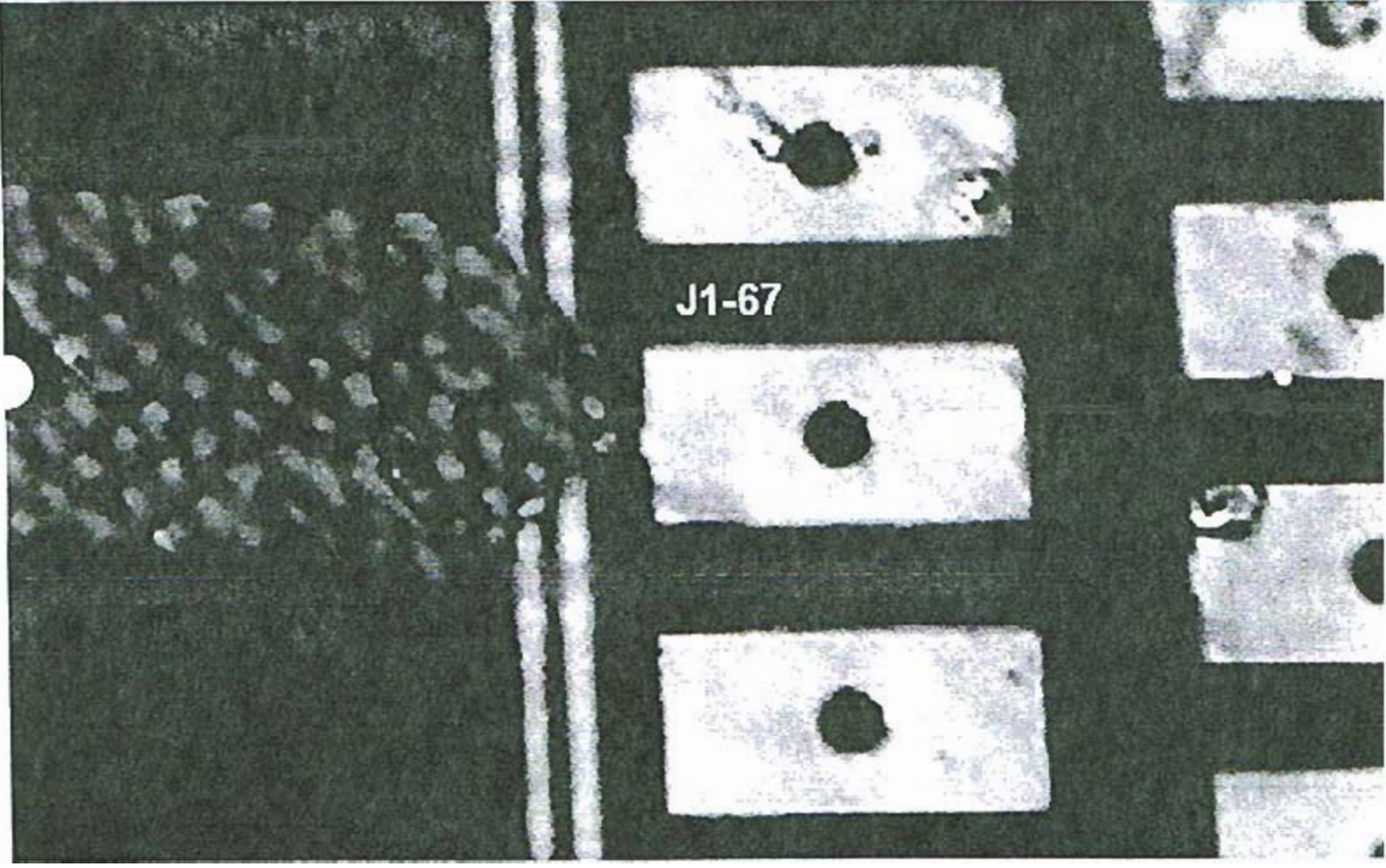
RESISTOFLEX

SIGNAL TECHNOLOG

General Technology
1450 Mission Avenue N
Albuquerque, NM 8710
505.345.5591
505.343.7553 fax
info@gt-corp.com

J1-58





J1-67

MH

K.R. Anderson, Inc.

www.krandonson.com

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Morgan Hill, GA 95037
(800) 538-8712 FAX: (408) 778-2802

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

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Phone: (505) 345-5591 Fax: (505) 343-7653

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Order Number	127193-1
Printed Date	12/03/2004
Ordered Date	12/03/2004
Page	1

REPRINT

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Phone: (505) 345-5591 Fax: (505) 343-7653

Inst Code	Orderon By	Salesman	Job/Rel#	Customer PO	Ship Date
3955		Scott Swaner		31403	12/03/2004
Shipped By	Ship Via	Terms	Ship Via Account		
John Bod	PEDX NEXT DAY STANDARD COLLECT	NET 30 DAYS	103158605		
Customer Order Instructions					

Must ship today 12-3
Orders required

Quantity	U. M.	Item #	Description	Price	Extension
3	EA	83171	HYS D0151V 2.6LB MIS22657 REV H -- LOT NUMBERS -- Qty Lot Exp. Date DOM 3 4DV2413B 03/31/2007 04/01/2004		



Certificate of Conformance: We certify that the materials furnished have been manufactured in accordance with all applicable manufacturing specifications. Physical and chemical data pertaining to this order are available for inspection at the manufacturer. The material shipped conforms to the purchase order and all referenced specifications, terms, and conditions. This certificate is valid unsigned.

Handwritten signature

Packing Slip

PACKING SLIP

Page: 1

Packing#: 51265



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 Albuquerque New Mexico
 87107 USA

ATTN: Rosina Carrejo

Phone:
 ICA Contact: Anne McKerrow
 Ship Terms: EXW

Phone:
 Fax:
 Clinton, NY 13323

*317081
 1-18-02*

Pack Date	Order#	Cust PO	Ship Via	Gross Wgt LBS	Pkgs #
01/17/05	EC31801	31728	FedExp P-1	28.00	2

Line/Rel	Item	U/M	Qty Ordered	Qty Shipped
1	PASTEOT-81484-JAR SN63PB37 RMA-SMQ51AC -325+500 90.5% Tariff Code: 3810.10.0000	gm	7,500.000	7,500.000
2	PASTEOT-81484-CAR SN63PB37 RMA-SMQ51AC -325+500 90.5% Tariff Code: 3810.10.0000	gm	600.000	600.000

Description:

Sn63/Pb37, RMA-SMQ51AC, -325+500, 90.5%

Packaging: Line 1: 500 gms./Jar
 Line 2: 600 gms./semco cart.

Documentation: Analysis C, MSDS, C of C

Certificate of Conformance and Origin
 The Indium Corporation of America certifies that all the material used in the manufacture of this order has been produced in accordance with its standard procedures and specifications. Test reports to substantiate the same are available for examination at any time. We also certify that these goods are of UNITED STATES OF AMERICA ORIGIN. If the goods contain foreign materials, such materials have undergone substantial transformation in the USA.

William A. Jackson
 William A. Jackson Director, Corporate Quality



Indium Corporation of America®

Electronic Chemicals Division

- Certificate of Analysis and Conformance for Solder Products -

PRODUCT CERTIFICATION

Product: SN63PB37 / -325+500 / RMA-SMQ51AC / 90.5%
 Indium P/N: 81484 Lot Number: 3-2453 DOM: 14-Jan-05

Alloy Integrity		Impurities:	
Reported by:	LAZ	0.0078% Bi	
Test Method(s):	AC	0.0006% Cu	
		0.001% Fe	
		0.0018% In	
		0.0063% Sb	
Major Elements:		Total: 0.0176% (176 PPM)	
Sn	62.960 %		
Pb	37.019 %		

Shelf Life: STORE IN REFRIGERATOR -20 TO +21 DEGREES C. USE BY: 14-Jul-05

Comments:

CONFORMANCE STATEMENT

Indium Corporation of America certifies that all the material used in the manufacture of this order has been made in accordance with its standard procedures and practices. Test reports to substantiate the same are retained in Indium Corporation's files and are available for your examination during the agreed upon time.

William J. Foster
 Director, Corporate Quality

APPROVING OFFICER

Kathleen M. Screeder
 Kathleen M. Screeder
 Quality Supervisor

This signature was created electronically

Form No. 07804-00

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S O L D E R



Indium Corporation of America[®]

Electronic Chemicals Division

- Certificate of Analysis and Conformance for Solder Products -

PRODUCT CERTIFICATION

Product: SN63PB37 / -325+500 / RMA-SMQ51AC / 80.5%
 Indium P/N: 81484 Lot Number: 3-2444 DOM: 27-Dec-04

Alloy Integrity		Impurities:	
Reported by:	LAZ	0.0086%	Bi
Test Method(s):	AC	0.0008%	Cu
		0.0011%	Fe
		0.0028%	In
		0.0054%	Sb
Major Elements:		Total: 0.0187% (187 PPM)	
Sn	63.250 %		
Pb	36.727 %		

Shelf Life: STORE IN REFRIGERATOR -20 TO +21 DEGREES C. USE BY: 27-Jun-05

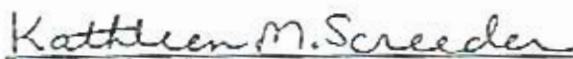
Comments:

CONFORMANCE STATEMENT

Indium Corporation of America certifies that all the material used in the manufacture of this order has been made in accordance with its standard procedures and practices. Test reports to substantiate the same are retained in Indium Corporation's files and are available for your examination during the agreed upon time.


 Director, Corporate Quality

APPROVING OFFICER


 Kathleen M. Screeder
 Quality Supervisor

This signature was created electronically

Form No. 91804 P0

INDIUM CORPORATION OF AMERICA[®]

www.indium.com
 askus@indium.com
 PRC +86 (0)512 628 34900
 SINGAPORE +65 6 268 8678



S O L D E R



K.R. Anderson, Inc.
www.krandonson.com

AZ

PICKING SLIP

8330 Sutter Blvd.
Forgan Hill CA 95037
300) 538-8712 · FAX: (408) 778-2802

Order Number	119229-1
Printed Date	09/24/2004
Ordered Date	09/23/2004
Page	1

REPRINT

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Phone: (505)345-5591 Fax: (505)343-7653

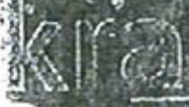
Phone: (505)345-5591 Fax: (505)343-7653

Dist Code	Ordered By	Salesman	Job/Rel#	Customer PO	Ship Date
0955	Rosina Carrejo	Scott Swaner		31201	09/17/2004
Entered By	Ship Via	Terms	Ship Via Account		
Swaner	UPS GROUND PREPAID	NET 30 DAYS			
Quantity	U/M	Item #	Description	Price	Extension
1	EA	MSCV2946 GM100	CV-2946 100 GRAM KIT NUSIL TECHNOLOGY LOT# 32151 DOM-09/21/04- DOE-09/21/05		

9-28-04
31201.2



Certificate of Conformance: We certify that the materials furnished have been manufactured in accordance with all applicable manufacturing specifications. Physical and chemical data pertaining to this order are available for inspection at the manufacturer. The material shipped conforms to the purchase order and all referenced specifications, terms, and conditions. This certificate is valid unsigned.



K.R. Anderson, Inc.

www.kranderson.com

30 Sutter Blvd
Morgan Hill GA 95037
300) 538-8712 FAX: (408) 778-2802

MH

PICKING SLIP

Order Number	118909-1
Printed Date	09/17/2004
Ordered Date	09/16/2004
Page	1

\$ 1,114.25

110: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Phone: (505) 345-5591 Fax: (505) 343-7653

Phone: (505) 345-5591 Fax: (505) 343-7653

REPRINT

3/20/11
SEP 23 2004

Order #	355	Ordered By	RY CAYAJO	Sales Rep	Scott Swaner	Job/Rel #		Customer PO	31201	Ship Date	09/15/2004
Entered By		Ship Via	UPS GROUND PREPAID	Terms	NET 30 DAYS	Ship Via Account					

Quantity	U/S	Item #	Description	Price	Extension
5	EA	CR5750-QT-KIT	ARATHANE 5750 A/B (LV) QT KT 58 AK4GR8013A DOB: 3/05 DOM: 3/04 58 AK4GR8033A DOB: 3/05 DOM: 3/04 -- LOT NUMBERS -- Qty Lot Exp. Date DOM 5 00000001		
1	EA	3141489	DC 6-1104 5.0Z -- LOT NUMBERS -- Qty Lot Exp. Date DOM 1 0001968560 06/12/2005 06/17/2004		
5	EA	CR5750-QT THIN	ULTRALANE THINNER QUART FORMERLY 5750 THINNER -- LOT NUMBERS -- Qty Lot Exp. Date DOM 5 spdb2001 09/30/2005 02/01/2004		



Certificate of Conformance: We certify that the materials furnished have been manufactured in accordance with all applicable manufacturing specifications. Physical and chemical data pertaining to this order are available for inspection at the manufacturer. The material shipped conforms to the purchase order and all referenced specifications, terms, and conditions. This certificate is void if unsigned.



K.R. Anderson, Inc.
www.kranderson.com

SA

PICKING SLIP

18330 Sutter Blvd.
Morgan Hill CA 95037
(800) 538-8712 · FAX: (408) 778-2802

Order Number	118909-2
Printed Date	11/18/2004
Ordered Date	11/15/2004
Page	1

REPRINT

Bill to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Ship to: GENERAL TECHNOLOGY CORP
1450 MISSION AVE N E
ALBUQUERQUE, NM 87107

Phone: (505)345-5591 Fax: (505)343-7653

Phone: (505)345-5591 Fax: (505)343-7653

Customer Code	Ordered By	Salesman	Job/Rel#	Customer PO	Ship Date
0955	R. Carrejo	Scott Swaner		31201	09/15/2004
Entered By	Ship Via	Terms	Ship Via Account		
Swaner	UPS GROUND PREPAID	NET 30 DAYS			

Quantity	U/M	Item #	Description	Price	Extension
1	EA	WNS0-100R QT	✓ ENTHONE 50100R WHITE QT/B30 -- LOT NUMBERS -- Qty Lot Exp. Date DOM 1 20040427007504/27/2007 04/27/2004		
1	EA	WNA QT	✓ ENTHONE 2/20 CAT FOR QT/B00 -- LOT NUMBERS -- Qty Lot Exp. Date DOM 1 20040702007107/02/2006 07/02/2004		



Certificate of Conformance: We certify that the materials furnished have been manufactured in accordance with all applicable manufacturing specifications. Physical and chemical data pertaining to this order are available for inspection at the manufacturer. The material shipped conforms to the purchase order and all referenced specifications, terms, and conditions. This certificate is valid unsigned.

KRAYDEN, INC.
491 EAST 124TH AVENUE
DENVER, CO 80241
303-280-2800

MATERIAL CERTIFICATION

DATE OF SHIPMENT: 4/16/04

COMPANY: GENERAL TECHNOLOGY CORP.

SHIPPER #: 10077350-00

PURCHASE ORDER #: 30156

We hereby certify that the goods supplied on this purchase order were produced in compliance with the requirements of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued there under.

Materials furnished have been manufactured in accordance with all applicable manufacturing instructions and specifications. Physical and chemical data pertaining to this order are available for inspection at manufacturer.

The material shipped conforms to the requirements of the above referenced purchase order and all referenced specifications, terms, and conditions.

ITEM 1:

HYSOL 0151 2.6LB QT KIT

QTY: 2

S/L: 35 MOS FROM DOM @
77 DEG F

LOT: 3JV2376C

DOM: 09/03

DOE: 08/06

P/N:

SPEC

ITEM 2:

HYSOL 0151 EPK 3.3OZ KIT

QTY: 10

S/L: 34 MOS FROM DOM @
77 DEG F

LOT: 4CV2342A

DOM: 03/04

DOE: 01/07

SPEC

ITEM 3:

LOT:

DOM:

QTY:

S/L:

SPEC

DOE:

ITEM 4:

LOT:

DOM:

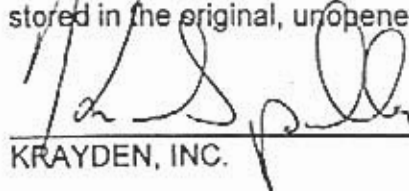
QTY:

S/L:

SPEC

DOE:

Shelf life: if applicable, from the date of shipment from our warehouse when properly stored in the original, unopened container.



KRAYDEN, INC.

Q.C. MANAGER



**SILICONE
TECHNOLOGY**

Creative Partners in a Material World

An ISO 9001 Certified Company

31450.1

NuSil Technology
1000 East 1000
Cupertino, CA 95014
805.654.8750
805.406.0000 FAX
www.nusil.com

**STANDARD MATERIAL CERTIFICATION
(SMC)**

Customer: **GENERAL TECHNOLOGY**
1450 MISSION AVE N.E.
PURCHASE ORDER# 31450
ALBUQUERQUE, NM 87107
USA

Customer Purchase Order Number: 103306

NuSil Technology Material No.: CV-2946 THERMALLY COND. ELASTOMER

NuSil Technology Lot No.: 32775

Warranted To: 17-May-05 when stored below 40°C in original, unopened containers.

Properties	Units	Test Method	Specification Limits	Test Results
UNCURED:				
Appearance White. Visually free of particulates, lumps, gels, skins, separations and agglomerates.		TM002	Pass/Fail	Pass
Work Time (Pot Life)	hours	TM008	1 Minimum	2.8
Lack-Free Time	hours	TM005	24 Maximum	4
CURED: 7 days minimum @ ambient temperature and humidity, Mix Ratio: 15:1 Part A: Part B				
Specific Gravity		TM003	1.52 - 1.56	1.54
Dilatometer Type "A" scale		TM006	65 Minimum	72
Tensile Properties of Elastomers Tensile Strength	psi	TM007	150 Minimum	190 (1,310.05 kPa)
Tensile Properties of Elastomers Elongation	%	TM007	15 Minimum	26
Tear Strength	ppi	TM009	25 Minimum	46 (821.47 kg/m)
Tap Shear Strength 1.2" panels. Primed with CF1-135.	psi	TM010	90 Minimum	185 (1,275.58 kPa)
Thermal Conductivity Test at 43 ± 10°C	cal.(cm·sec·°C) x 10E-4	TM101	25 Minimum	34 (8,224.87 BTU / foot hour square foot °F)
Thermal Vacuum Outgassing (ASTM E 595) TML	%	TM072	1.00 Maximum	0.03

Hefkin, Gary

From: Lujan, Patricio C [lujan@slac.stanford.edu]
Sent: Tuesday, May 10, 2005 3:46 PM
To: Hefkin, Gary; Gregory.Pozzi@gt-corp.com
Subject: FW: GLAST Nonconformance report # 00436

FYI,
Arathane NCMR from SLAC.

Pat

From: Cullinan, Joseph
Sent: Thu 4/28/2005 5:56 PM
To: Lujan, Patricio C
Subject: FW: GLAST Nonconformance report # 00436

Pat -

Sorry I didn't CC you on this. I believe Brigitte forwarded this to JR last week.

Joe

From: Cullinan, Joseph
Sent: Friday, April 22, 2005 2:18 PM
To: Estey, Brigitte
Subject: FW: GLAST Nonconformance report # 00436

Brigitte -

Updated NCR with dispo to allow use of expired Arathane at GTC.

Joe

From: remedy@remedyp.slac.stanford.edu [mailto:remedy@remedyp.slac.stanford.edu]
Sent: Friday, April 22, 2005 1:53 PM
To: Burlingham, Kelly; Marsh, Darron S.; Khan, Kishwer; Bartholomew, Doug; Liew, Y.C.; Marshall, John W.; Rodríguez, Esther; Gobin, Richard Lloyd; Jimenez, Bill; Cullinan, Joseph
Cc: Graham, Diane
Subject: GLAST Nonconformance report # 00436

LAT Quality Assurance

May Alice,
This email
message authorizes
using our material
that expired end of

man. glubel 5/10/05

The following Nonconformance Report # 00436 was submitted on 04/20/05 10:29:14

Entered by Cullinan, Joseph - cullinan@slac.stanford.edu

Found by: In-process/Final Inspection/Test (non-operational) Type of Nonconformance: Minor

Discrepancy Level: Flight Hardware Sub-System: Electronics (ELEC)

Item Description: TEM and TPS CCAs

Supplier: General Technology Location: General Technology

Drawing/Rev #: LAT-DS-01643-52 and LAT-DS-02388-55 Lot/Heat #: Serial #: GT104 thru GT122 Test Procedure/Rev #:

Description of Nonconformance: IS: Arathane 5750 A/B used by vendor (General Technologies) to conformal coat TEM and TPS CCAs has shelf life that expired on 3 April 2005

S.B.: Shelf life not expired

Disposition Area

Defect Code: 080 Material Disposition: Documentation Change

(Valid dispositions: Rework, Repair, Use-as-is, Reclassify, Return to Vendor, Scrap, or Documentation Change)

Disposition Instructions: General Technology provide the following information regarding their current stock of Arathane 5750 A/B :

ARATHANE 5750-A

BATCH # AK4GX8033A, 140 GRAM BOTTLES, UNOPENED, FOUR (4) EACH

ARATHANE 5750-B(LV)

BATCH# AK4GB8013A, 780 GRAM CONTAINERS, UNOPENED, FOUR (4) EACH

Per e-mail correspondence with Fred Gross (GSFC M&P Engineering), direct GT to cure sample of current batch of Arathane 5750 to verify proper cure of material. SLAC to provide GSFC with waiver request to use current stock of Arathane. Based on acceptable results of sample cure test (per Fred Gross) a three month extension to shelf life will be granted for current stock of Arathane 5750.

Schedule impact forces need to use current stock of Arathane conformal coating. Promise delivery date for new supply to GT was 14 April, but slipped to mid-May. TEM and TPS CCAs that have completed pre-conformal coat testing need to be coated to complete TEM/TPS assembly.

Report results of cure test to this NCR.

Dispo #2 (cullinan, 4-22-05) GTC sprayed both sides of two pieces of an unidentified fiberglass-epoxy circuit board material with Arathane 5750 to 1.5 mils thick. The two samples of Arathane 5750 were cured by GTC following cure cycle used for actual TEM and TPS flight CCAs. GTC reported full cure with no tackiness following visual inspection. Samples were forwarded to SLAC for evaluation. Visual inspection of samples by LAT QA shows no tackiness, no bubbles, excellent adhesion, uniform color and even flow of sprayed material.

LAT QA to forward Material Usage Agreement (MUA) #003 to GSFC per direction of Fred Gross to extend shelf life of current stock of Arathane 5750 A/B for 3 months from original expiration date.

This disposition authorizes GTC to use current stock of Arathane 5750 on TEM and TPS flight CCAs:

ARATHANE 5750-A

BATCH # AK4GX8033A, 140 GRAM BOTTLES, UNOPENED, FOUR (4) EACH

ARATHANE 5750-B(LV)

BATCH# AK4GB8013A, 780 GRAM CONTAINERS, UNOPENED, FOUR (4) EACH

Root Cause: Schedule delays in CCA production resulted in shelf life expiration

1
Action taken to Preclude Recurrence of Discrepancy: None required at this time. New
shipment expected mid-May.

