

GENERAL TECHNOLOGY CORP.
1450 MISSION AVENUE NE
ALBUQUERQUE NM 87107
TEL 505 61666

SHIPPER
SHIPPER NUMBER F17301.17
SALES ORDER NUMBER F17301
SHIP DATE 07/21/05
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

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

CUSTOMERS PO: 0000053627 RESALE NO:

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

Special Inspection is required.

1	12	EA	LAT-DS-01643 ASSY, UNIT-TEM/TP5 S/N: GT171 GLAT1848. QTY DUE...: 1	52	1.00	1	132280
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SHIP VIA: UPSR
WAYBILL#:

Certificate of Compliance

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.

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

David M. King (Signature)
Quality Assurance Signature Date: 7/22/05

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT721 GLAT1848

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

TR# vs. TEM CCA LAT-DS-01646: Test ID 24820

TR# vs. TPS CCA LAT-DS-02388: _____

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

(LAT-DS-02388/29525, 29619 LAT-DS-01646/29539, 30545)

(h) Connector Mate/Demate logs (primarily SLAC - check for GTC logs) { }

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 {✓}

¾ view of TEM LAT-DS-01481 {✓} ¾ view of TPS Unit LAT-DS-01482 {✓}


¾ view of TEM/TPS Unit LAT-DS-01643 {✓}

Completed by: Emilee Martinej

Date: 7-22-05

GTC QA Acceptance:  _____

Date: 7-22-05

SLAC QAR Acceptance:  _____

Date: 7.29.05

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GTR1 GLAT 1848

Fill in blanks () 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# 113240 : S/N (above SN)

TPS Unit; LAT-DS-01482 WO# 113221 : S/N GTR1 GLAT1829

TPS CCA; LAT-DS-02388 WO# 112074 : S/N GT121 GLAT1791

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# 113117 : S/N GT116 GLAT1805

TEM CCA; LAT-DS-01646 WO# 112016 : S/N GT116 GLAT1767

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-02388 / 2305, 2294)

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 - 57)

LAT-TD-02230; Rev No. (PL - 54)

LAT-DS-02388; Rev No. (Drawing - 58)

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)

WORK CELL: 1-DIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 1

PN# LAT-DS-01643
UNIT-TEM/129

WC# 112240
REQ DATE 15-06-05
REQ DATE 14-01-05
SOW# F17301
PO# 0000033627

CUST #
PROJECT# F17301
COS# 15366

*SERIAL NUMBER *****
GT121 GLAT1848

APPROVAL: PROD: RTT 15-3-05
DATE: 15-3-05

MEMORANDUM: *****
IPC/EIA-C-STD-0012 CLASS J; 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
#glt 02/02/05*****

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



1 000 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFID

***** CONFIGURATION DOCUMENTS *****
ASSY DWD: DOCUMENT NUMBER REV FD/PD OUTSTANDING EO'S
SOM PL: LAT-DS-01643 53 NONE
(SAME - ON DWD)
CUST ROW: LAT-PS-02615/01078 01 NONE
VIBRT ROW: NOT APPLICABLE; WAS SK-182; SOW DELETED CTO DO.
ASSY AID: LAT-DS-01643 (RELEASED PER SC 1479)
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			WTR



2 001 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KITTING

* PROCESS MATERIAL PER CAA STEP 2.

DATE	QTY	REMARKS	STATUS
5/17/05	1		WTR 2004



WORK CELL: 1 B13 RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

PN# LAT-DS-01643
UNIT-TEM/TPS

WOT 113240
REQ DATE 05-09-05
REL DATE 04-21-05
SC# 717301
PC# 0000033627

CUST #
QTY 1
PROJECT# 717301
CUST# 19356

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



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

* PROCESS ASSY PER CAA STEP 3:

DATE	QTY	REMARKS	STATUS
07/21/05	1		Byp(1288)



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

* 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-B-944 CAL DUE DATE: 08/05

DATE	QTY	REMARKS	STATUS
07/21/05	1		Byp(1288)
7-21-05	1	WITNESS TORQUE	LAT TO CA



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

* PROCESS ASSY PER CAA STEP 5.

* RECORD MATERIAL DATA BELOW:

ADHSV 0151, GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME START 07/21/05 3:40 PM STOP 5:40 PM

DATE	QTY	REMARKS	STATUS
07/21/05	1		Byp(1288)

MARKING Label

* RECORD MATERIAL DATA BELOW:

ANY AT 1002, GTC PO# 31201 EXPIRATION DATE 04/27/07

DOI # IPT A1: 200409080033

DOI # IPT B1: 200407020071

MIX RECORD (PT A WGT) 10g (PT B WGT) 0.6g

MARKING DATE/TIME 07/21/05 3:40 PM - 5:40 PM

CURE OCCURS AT STAKING STEP 13

DATE	QTY	REMARKS	STATUS
07/21/05	1		Byp(1288)

WORK CELL: 1-BTC RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

/FN# LAT-DS-11643
UNIT-TEM/178

WOS 113240
MRO DATE 08-16-05
MRO DATE 08-11-05
PCL # 1173311-05
PC# 000053627

CUST P#
CITY 1
PROJECT# F17301
CUST# 15355

LINE DEPT MACH# OPS DESCRIPTION..... W O R K O R D E R S
SET-UP RUN... LINE-MACH ST-LOT.



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPS: SLDR-0 ASSY-112

* PROCESS ASSY PER CAA STEP 6.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/22/05	1		
_____	_____	_____	_____
_____	_____	_____	_____



7 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE BOX JOINTING
AND ETD 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 GIC-129).

DATE	QTY	REMARKS	STATUS
7-22-05	1	GLAT 1848	
_____	_____	_____	_____
_____	_____	_____	_____



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPS: SLDR-0 ASSY-37

* 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
7/22/05	1		
_____	_____	_____	_____
_____	_____	_____	_____

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 1

V/FN: LAT-DS-01482
Z: SLAC, DAO, TFS

WO# 113221
REQ DATE 09-06-08
REL DATE 04-30-05
SCH F17300
POS 0000048800

CUST P#
CITY
PROJECT# F17300
COST# 180000

*SERIAL NUMBER *****
GT121 GLAT1829

*****APPROVAL:*****
PROD KA 5-3-05
CA 5-3-05

*WORKMANSHIP:*****
IPC/EIA-7-STD-001C CLASS 3; WITH 'CS' SPACE SUPPLEMENT
SLAC CAA MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAA MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

*IR 09.29.04*****

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV ED/PL OUTSTANDING EC'S
ASSY DWG: LAT-DS-01482 55 NONE
BOM PL: (SAME - ON DWG)
CUST BOM: LAT-PS-01078 00 NONE
ESS DES: (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 _____ [Signature]



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KITTING

* PROCESS MATERIAL PER CAA STEP 1.

DATE... QTY.. REMARKS..... STATUS
5/3/05 _____ 411A
_____ 3007

SEARCHED
SERIALIZED

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

/77# LAT-05-01482
.. GLAST, DAQ, TFS

WOB# 113221
REQ DATE 07-15-05
REQ DATE 07-15-05
SOW# F173000
PC# 0000048800

CUST # 4
QTY 1
PROJECT# F17300
CUST# 12256

PAGE 2

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



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

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

GTC PC# 32131 EXP. DATE 10/01/05
 LOT #'S: (PT A) 32775 (PT B) 32775
 MIX RECORD (PART A WGT) 15g (PART B WGT) 1g

DATE	QTY	REMARKS	STATUS
07/15/05	1		Buy(1288)



4 210 00 OCA/BLACK BOX ASSY AREA
LOG OCA SN TO WORK ORDER
INSTALL OCA TO BOX 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED OCA SERIAL NUMBER: GT 121

DATE	QTY	REMARKS	STATUS
07/15/05	1		Buy(1288)



5 210 00 OCA/BLACK BOX ASSY AREA
TORQUE FASTENERS 0.0000 0.0000 0.0000

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

TOOL # GTC-E-951 1/2 CAL DUE DATE 08/05
 GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/15/05	1		Buy(1288)
7.15.05	1	WITNESS TORQUE	



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

/FN# LAT-08-01482
ASSY: SLAST, DAG, TRF

W.O.# 113201
DATE 08-26-05
DATE 04-20-05
PC# P17300
PC# 0000048800

CUST #
QTY
PROJECT# 17300
COST# 10360

DEPT MACH# OP# DESCRIPTION..... R O U R S
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 TOOLS USED, AND CAL DUE DATE, BELOW.

TOOL = GTC-E-951 1/2 CAL DUE DATE 08/05
GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/15/05	1		By (1288)

7.15.05	1	WITNESS TORQUE	LAT TO CA
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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
07/15/05	1		By (1288)



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

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

TOOL = GTC-E-951 1/2 CAL DUE DATE 08/05
GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/15/05	1		By (1288)

7.15.05	1	WITNESS TORQUE	LAT TO CA
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WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

FN# LAT-06-01492
GLAST, DAO, TFS

WOP 113231
RPO DATE 09-06-05
REL DATE 04-20-09
RQ# F17300
PO# 0000048800

CURT L#
COST#
PROJECT# F17300
COST# 15358

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



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 01/31/07
CURE DATE/TIME: START-07/15/05 10:45 AM STOP- 12:45 PM

DATE	QTY	REMARKS	STATUS
07/15/05	1		Byp(1000)



10 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE 02 HARDWARE

- PROCESS ASSY PER CAA STEP 10.
- RECORD MATERIAL DATA BELOW:

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-07/15/05 10:45 AM STOP- 12:45 PM

DATE	QTY	REMARKS	STATUS
07/15/05	1		Byp(1000)



11 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE 02 CABLE TIES

- PROCESS ASSY PER CAA STEP 11
- RECORD MATERIAL DATA BELOW:

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-07/15/05 10:45 AM STOP- 12:45 PM

DATE	QTY	REMARKS	STATUS
07/15/05	1		Byp(1000)

WORK CELL: 1-810 RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-09-01492
ASSY: GLAST. DAG. TFS

WOB 112231
REQ DATE 05-06-05
REL DATE 04-10-05
SO# F17300
PO# C100048800

CUST #
QTY
PROJECT#
CUST#

PAGE 5

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



12 210 00 CCA/BLACK BOX ASSY AREA
STAKE Q1 HARDWARE 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 12.
- RECORD MATERIAL DATA BELOW:

ADHSV 01517 GTC PO# 3/403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START 07/15/05 10:45AM STOP 12:45PM

DATE	QTY	REMARKS	STATUS
07/15/05	1		SLP (1288)



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

- PROCESS ASSY PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
07/15/05	1		SLP (1288)



14 220 00 QUALITY ASSURANCE AREA
OPE: SLR-0 ASSY-257 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
7/15/05	1		



15 280 02 SOURCE INSPECTION
EXAMINE ASSY PRE-CLOSE 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
7/19/05	1	GLAT 1829	



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-03-01480
ALST. GLAST. MAQ. TPA

WCR 113231
REQ DATE 08-06-06
REQ DATE 04-14-06
CCL 1173000
PC# 000014800

CUST PA
QTY 1
PROJ# 217300
CUST# 12306

PAGE 6

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



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
7-19-05 1 Install lid



17 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS.

* PROCESS ASSY PER CAA STEP 17.

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

* RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.

TOOL # OTC E-931VE CAL DUE DATE 8-05
OTC E-944 CAL DUE DATE 8-05

DATE... QTY... REMARKS..... STATUS
7-19-05 1 Torque

7-19-05 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
7/19/05 1



WORK CELL: 4-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

/P/ GLAT-DS-0182
W. GLAST. DAO. TFS

NO: 113221
REV. DATE: 06-28-05
REV. DATE: 04-23-05
REV. DATE: 01-23-05
REV. DATE: 00-00-00

CUST. P#
QTY
PROJECT# 177100
CUST# 15315

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



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

- * PROCESS ASSY PER CAA STEP 19.
- * RECORD MATERIAL DATA BELOW:

ADHSV 0181, SIC POS: 31403 EXPIRATION DATE 1-31-07.
CURE DATE/TIME: 07/19/05 START: 10:30 AM STOP: 12:30 PM

DATE	QTY	REMARKS	STATUS
7-19-05	1		AD



20 290 00 QUALITY ASSURANCE AREA
OP# SUCR-0 ASSY-40 0.0000 0.0000 0.0000

- * PROCESS ASSY PER CAA STEP 20.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/19/05	1		

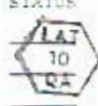


21 280 00 SOURCE INSPECTION
CUSTOMER SOURCE INSP 0.0000 0.0000 0.0000

- * PROCESS ASSY PER CAA STEP 21.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7.20.05	1	GLAT 4829	



***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: HEPKIN FOR ASSY REV: 55 DATE: 042505
 REV: 01 DATE: 042505
 02 GLR 042505 RELEASED AT REV 55, AND CAA AT REV *1

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

ASSEMBLY # 127-00-01462
LOCATION: 402

BY LINE ITEM

EFFECTIVITY DATE: 08-10-08
RELEASED DATE: 04-10-08
DATE PRINTED: 08-19-08

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UNIT	REQUIRED QUANTITY	CURS STAT	REQUIREMENTS QUANTITY	RESV IN LOT #	INVOICE NUMBER	LOT NUMBER	INVENTORY DETAIL
1	127-00-00392 BASE BOX ORIGINAL QUANTITY	EA	1.00	RSVD	1.00	101005	SKOP2 FN-1	101005	1.00 08-30-04 SLAC ✓
2	127-00-00392 BASE BOX ORIGINAL QUANTITY	EA	1.00	RSVD	1.00	101004	SKOP2 FN-2	101004	1.00 08-30-07 SLAC ✓
3	127-00-01388 BASE BOX ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-3		0.00
4	WAS100004-6 BASE ORIGINAL QUANTITY	EA	30.00	RSVD	30.00	115012	SKOP2 FN-4	115012	30.00 09-27-04 LOT 115 ✓ 100.00 04-17 08 IN ASSY
5	WAS100104 WASBRK PLAT SS 115*10.2 ORIGINAL QUANTITY	EA	32.00	BO	32.00		SKOP2 FN-5		0.00
6	WAS100204-4 BASE ORIGINAL QUANTITY	EA	20.00	RSVD	20.00	115019	SKOP2 FN-6	115019	20.00 09-27-04 P17300 ✓ 64.00 12-16-04 IN ASSY
7	WAS100304 AGREEMENT: WYDOL 400 KIT ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-7		0.00
8	WAS100404 KIT: WYDOL TECH ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-8		0.00
9	WAS100504 KIT: WYDOL LOCKING FACULT ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-9		0.00
10	WAS100604 KIT: WYDOL LOCKING FACULT ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-10		0.00
11	WAS100704 KIT: WYDOL LOCKING FACULT ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-11		0.00
12	127-00-10000 BASE BOX ORIGINAL QUANTITY	EA	1.00	BO	1.00		SKOP2 FN-12		0.00

WORK ORDER : 113221

NEW

WORK ORDER PICK LIST

PAGE: 1

WBLY # : 147 DR 0148
PLANT :
LOCATION: W01

BY LINE ITEM

EFFECTIVE DATE : 01-01-19
ISSUE DATE : 04-20-19
LABEL PRINTED : 04-17-19

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			REQ IN LOT #	INVLOC NUMBER	INVENTORY DETAIL					
			QUANTITY	STAT	QUANTITY			QUANTITY	LOT	DATE	BIN	QUANTITY	
13	9723-88-1440 JACKPOST, M F 44CY 18X 31 ORIGINAL QUANTITY	EA	2.00	SD	2.00		SKCPS FN 13 PULLED	0.00					

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

WPN# LAT-DS-02388
WLN# GLAST. TPS

WIB 112074
WBO DATE 02-10-05
REL. DATE 12-01-04
SOP
PCB 0000049800

CUST #
PROJ # 1
COST# 12700
18356

*SERIAL NUMBER ***** APPROVAL *****
G-T121 GLAT1791 PROD 2/10/05
02/11/05

MEMBERSHIP *****
IPC/EIA-7-STD-0010 CLASS 3: WITH "US" 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
with 02.07.05 *****

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



1 200 00 CONFIG RECORD/MITTING 0.0000 0.0000 0.0000
UNFIG

***** CONFIGURATION DOCUMENTS *****
ASSY DWG: DOCUMENT NUMBER REV ED/PI OUTSTANDING ED'S
BOM FLI: LAT-DS-02388 50 NONE
CLUS TRSN: LAT-TD-02391 EC NONE
ESSY TRSN: LAT-TS-02379 03 NONE
ASSY AID: N/A
LAT-DS-02388 (RELEASED PER IC 22921)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
***** BUILT DOCUMENTS *****
USE... WORK ORDER CONTROLLED ASSEMBLY AID & DRAWINGS.
*REV'D/PREP'D BY: GH (DATE)DATE 02.07.05

GAB 428-05

DATE..... QTY.. REMARKS..... STATUS
2/10/05 _____ GH



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

DATE..... QTY.. REMARKS..... STATUS
2/10/05 _____ GH



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

JOB: SAT-00-02338
GLAST. 099

WO# 112074
REQ DATE 02-10-05
REL DATE 12-01-04
SOP
PO# 0000048803

CUST PT
QTY
PROJECT# P17300
CUST# 18356

LINE DEPT MACH: CP: DESCRIPTION..... SET-UP RUN... HOURS LINE-MACH ST-LOT.



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
MARK DTC SN

* PROCESS PER CAA STEP 3.

DATE... QTY... REMARKS... STATUS
2/11/05 1 EF 1848



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

* PROCESS PER CAA STEP 4.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 2/11/05 START: 10:12 STOP: 12:12

DATE... QTY... REMARKS... STATUS
2/11/05 1 EF



5 215 00 SMT ASSY LINE 0.0000 0.0000 0.0000
STENCIL BOTTOM SIDE

* PROCESS PER CAA STEP 5

* RECORD SOLDER PASTE DATA BELOW:

DTC NO# 31728 EXPIRATION DATE 7-14-05

DATE... QTY... REMARKS... STATUS
2/17/05 1 1862 1866



6 216 00 SMT ASSY LINE 0.0000 0.0000 0.0000
FLY-IN-PLACE PARTS

* PROCESS PER CAA STEP 6.

DATE... QTY... REMARKS... STATUS
6-11-05 1 74

20 - .0074
28 - .0079
11 - .0075
10 - .0075
12 - .0077
57 - .0070
102 - .0075
134 - .0072

Solder Paste Data Bottom Side
Sum = .0066
Avg = .0075
Range = .0067
- Measurements
Taker: B J
MR 1866
2/17/05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

PN# LAT-06-03198
Cust. SLAST, IFS

WOB 112074
REQ DATE 03-10-03
REL DATE 12-01-04
SC#
PC# 0000046603

CUST PN
QTY 1
PROJECT# 117100
CUST# 16186

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



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		PT



214 00 SMT ASSY LINE
ACETOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 8.

DATE	QTY	REMARKS	STATUS
2-17-05	1		PT



290 00 QUALITY ASSURANCE AREA
CPE: SLDR-1209 ASSY-1645 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 9

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DR#(S) 29525

DATE	QTY	REMARKS	STATUS
2/18/05	1		PT

* CRG Start of production
suspect at 2-17-05



215 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.

UTC PC# 21504 EXPIRATION DATE 4/15/05

DATE	QTY	REMARKS	STATUS
2/18/05	1		PT

04 - .0069
2103 - .0072
0501 - .0072
2102 - .0073
05 - .0072

WORK CELL: 4-MIXED

CUSTOMER: ELAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER : NEW

/ENR LAT-06-02300
UWA: GLAST, 178

W# 112074
REQ DATE 02-10-05
REL DATE 12-01-04
SIC
NO# 0000048800

CUST #
QTY
PROJECT P17300
CUST# 18956

PAGE 4

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



11 013 00 SMT ASSY LINE PICK-N-PLACE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 11:

DATE	QTY	REMARKS	STATUS
02-22-05	1	OK	OK



12 013 00 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 12:

DATE	QTY	REMARKS	STATUS
02-22-05	1		OK



13 013 00 SMT ASSY LINE AQUEOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13:

DATE	QTY	REMARKS	STATUS
02-22-05	1		OK



14 290 00 QUALITY ASSURANCE AREA CPE: 310A-1421 ASSY-786 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14:

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DEF#(S) 29619

DATE	QTY	REMARKS	STATUS
2-22-05	1	OK	OK

Handwritten notes:

- * ...
- * ...
- * ...
- * ...

03/22/05 filled shortage of Die D600, D601, D604, D607 & D608

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: FACUMOTION

WORK ORDER TRAVELLER - NEW

PAGE 5

WPN# LAT-DS-02389
CLAST, TPS

WO# 112074
REQ DATE 02-10-05
REL DATE 03-01-04
RO#
PO# 0000048900

COST #
PROJECT #
COST #

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



15 210 00 CCA/BLACK BOX ASSY AREA
TIN THRU-HOLE PARTS 0.0000 0.0000 0.0000

- PROCESS PER CAA STEP 10.
- SPECIAL IN-PROCESS QA EXAMINATION OF 10 LEAD PREP AND SHORT WIRE PREP.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DEF#(S)

DATE	QTY	REMARKS	STATUS
2/16/05	1	Trim leads	SC-1587
3/14/05	1	Tinned	ByP(1288)

03/15/05 stripped wires (35) MV
 03/15/05 wrap of stripped wires
 03/15/05 Tinned wires (35) MV
 3/15/05 wrap of tinned wires



16 210 00 CCA/BLACK BOX ASSY AREA
MECH ASSY - RTSMAS/VRS 0.0000 0.0000 0.0000

- PROCESS PER CAA STEP 14.
- 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
04/06/05	1	Installed heatsinks	ByP
04/12/05	1	Installed VRS (GTC-A-976)	ByP



17 210 00 CCA/BLACK BOX ASSY AREA
TERMINATE VRS 0.0000 0.0000 0.0000

- PROCESS PER CAA STEP 17.
- | DATE | QTY | REMARKS | STATUS |
|----------|-----|------------------------------|--------|
| 03/22/05 | 5 | stripped wires | MV |
| 03/22/05 | 5 | Tinned wires | MV |
| 04-13-05 | 1 | Installed wires on VRS (582) | W.D. |

← Special in-process
 QA Examination of
 wires
 10/2 4-7-05
 Included wires for VRS 04/13/05

WORK CELL: 1-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER : NEW

QCA: GLAST: 039

NO# 112074
MFG DATE 02-10-05
MFG DATE 12-01-04
QCA# 0000048800

CUST #
CITY
STATE
COUN

PAGE 7

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



22 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER WIRES-105 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 22.

DATE... QTY... REMARKS... STATUS
04/21/05 1 installed & soldered IC wires (200) B4P

04/19/05 filled station
of CR2. B4P
04/19/05
inspection of CR2 4/21/05



23 290 00 QUALITY ASSURANCE AREA
OP# SLOR-35 ASSY-28 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 23.

RECORD DEFECT RECORD NUMBER(S) BELOW

CR#(S)

DATE... QTY... REMARKS... STATUS
4/24/05 1 (100) B4P



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

PROCESS PER CAA STEP 24.

RECORD ADHESIVE DATA BELOW:

ETC PC# 31450 EXPIRATION DATE 05/17/05

DATE... QTY... REMARKS... STATUS
04/26/05 1 installed & soldered Q504 & Q604 (100) B4P



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

PROCESS PER CAA STEP 25

DATE... QTY... REMARKS... STATUS
3/16/05 1 Prep caps SC-1587
04/27/05 1 installed & soldered caps B4P

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 8

DIR: /ENR/LAC-03-02388
CLA: GLA27.178

KOP 112074
RSD DATE: 03-10-05
RSD DATE: 03-01-04
PO#: 0000048800

CUST #
QTY
PROJECT#
COST#

02 DEPT MACH# 09# DESCRIPTION..... SET-UP HOURS
CON LINE-MACH EST-LOT#



26 260 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER 7, R, T

* PROCESS PER CAA STEP 26. *R1 & R2 ME 4-7-05*

DATE QTY REMARKS STATUS
04/27/05 1 installed parts. Buy



27 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CFE: SLDR-78 ASSY-38

* PROCESS PER CAA STEP 27.

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

DRR(S)

DATE QTY REMARKS STATUS
4/27/05 1



28 285 00 SFEA ICT 0.0000 0.0000 0.0000
SFEA TEST

* PROCESS PER CAA STEP 28.

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

TRR#(S)

DATE QTY REMARKS STATUS
04/27/05 1 SN: 65T121 passed
As per Gerry Corri, assembly was tested without DSOS, DPOS installed



29 290 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER 28 CABLES

SLDR 1/2-ROW 1-CHECK 04-25-05(MD)
SLDR 1/2-ROW 2-CHECK 04-25-05(MD)
2-DX 2/1-ROW 3 > CHECK 04-25-05

* PROCESS PER CAA STEP 29.

DATE QTY REMARKS STATUS
04/28/05 1 soldered Row #1. Buy
04/28/05 1 soldered Row #2. Buy
04/29/05 1 soldered Row #3. Buy

DIRECTORY: /LAC-03-02388
TPM: 4# SLAC(TPS)
SYS #: 1 HEAD: 1
04/27/2005 16:18:38

SN: 65T121

0505 1#2 FAIL(-/-)
ZENDOS IN4100K-1 2V UP
VALUE: 1.4224 V
Not installed at the time of test
0605 1#2 FAIL(-/-)
ZENDOS IN4100K-1 12V UP
VALUE: 1.4224 V

EST RESULT: FAIL
04/27/2005 16:20:14

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# 121-03-03888
MATERIAL: GLASS, TSS

MC# 112074
MFGO DATE 02-10-05
MFGO DATE 12-01-04
PC# 0000048800

CUST PK
QTY 1
PROJECTS 117800
CUST# 18386

PAGE 2

114 DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN... LIND-MACH ST-DOT



10 010 10 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER O/P CABLE
SLDR O/P-ROW 1>CHECK 4-28-05 (M.D.)
SLDR O/P-ROW 2>CHECK 4-28-05 (M.D.)
SLDR O/P-ROW 3>CHECK 4-28-05 (M.D.)
SLDR O/P-ROW 4>CHECK 4-28-05 in B soldered Row #4

4/29/05

* PROCESS PER CAA STEP 30.

DATE QTY REMARKS STATUS
04/28/05 1 soldered Row #1 Byp
04/28/05 1 soldered Row #2 Byp
04/28/05 1 soldered Row #3 Byp



01 290 01 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPS: SLDR-98 ASSY-107

* PROCESS PER CAA STEP 31.

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

DRAW(S)

DATE QTY REMARKS STATUS
4/28/05 1



00 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
HANDS CLEAN

* PROCESS PER CAA STEP 32.

DATE QTY REMARKS STATUS
04/29/05 1

05/06/05 filled shortage
of DSOS & DBOS. Byp
05/06/05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-05-02386
GLAST. 173

WOB# 111074
MFGD DATE 12-10-05
MFGD DATE 12-01-04
PC# C000048800

COST P#
COST QTY
PROJECT# 817300
COST# 110000

PAGE 10

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



23 210 00 QUATING/POITING AREA
POT WITH RTV - CABLE
DC6-1104 9.0000 0.0000 0.0000

* PROCESS PER CAA STEP 33.

RTV DC6-1104, UTC PC# 31695 EXPIRATION DATE 08/21/05

SEE ADHESIVE 0151 APPLICATION FOR CURE DATA.

DATE	QTY	REMARKS	STATUS
05/18/05	1		ETC 1298 Byp



24 210 00 CCA/BLACK BOX ASSY AREA
STAKE WITH RTV - VRS
DC6-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 34

RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

me
3-14-05
~~DEFECTS~~ RTV DC6-1104 PC# 31695 Exp Date 08/21/05
me 3-14-05

DATE	QTY	REMARKS	STATUS
05/18/05	1		ETC 1298 Byp



25 210 00 CCA/BLACK BOX ASSY AREA
POTTING/STAKING ICS 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 35

OVEN-CURE DATE PC# 31695 START 08/21/05 STOP

me
3-14-05
~~OVEN-CURE DATE~~ ~~START~~ ~~STOP~~
me 3-14-05

DATE	QTY	REMARKS	STATUS
05/18/05	1		ETC 1298 Byp

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

WPN# 147-25-02369
W. GLAST. TFS

W# 114675
REQ DATE 12-11-05
REL DATE 12-01-04
S#
P# 0001048800

CUST #
PROJECT # 217300
CUST# 10366

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



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

* PROCESS PER CAA STEP 39.

ADHESIVE (15): GTC P# 31403 EXPIRATION DATE 01/31/07

CURE DATE 05/18/05 START 8:00 AM STOP 10:00 AM

DATE	QTY	REMARKS	STATUS
05/18/05	1		Buy



40 210 00 CCA/BLACK BOX ASSY AREA
STAKE CAPACITORS R22, R1 & R2 0.0000 0.0000 0.0000

4-28-05

* PROCESS PER CAA STEP 40.

ADHESIVE (15): GTC P# 31403 EXPIRATION DATE 01/31/07

CURE DATE 05/18/05 START 8:00 AM STOP 10:00 AM

DATE	QTY	REMARKS	STATUS
05/18/05	1		Buy (1288)



41 200 00 QUALITY ASSURANCE AREA
CPT R1DR-0 ASSY-87 0.0000 0.0000 1.0000

* PROCESS PER CAA STEP 41.

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

DR#(S)

DATE	QTY	REMARKS	STATUS
5/18/05	1		

WORK CELL 4-MIXED

CUSTOMER: SLAC

TYPE PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

ENS LATH-08-00188
CLASS: 179

MS 112114
SUNO DATE 12-10-08
SUNO DATE 12-01-08
SUNO DATE 12-01-08
P# 010018800

CUST #
PROJECT QTY
PROJ# WH 7300
CUST# 18356

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



42 290 00 SOURCE INSPECTION
SLAC CAR INSPECTION - MIP 0.0000 0.0000 1.0000

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

DATE... QTY... REMARKS... STATUS
5.24.05 1 SLAT 1791
LAT TO QA



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
5/26/05 1 SC-1587
5.27.05 1 VERIFY HARDWARE CNLID
LAT TO QA



44 200 00 QUALITY ASSURANCE AREA
RECEIVING INSPECTION 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 44

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

DRAW(S):

DATE... QTY... REMARKS... STATUS
7/11/05 1
LAT TO QA



45 290 00 SOURCE INSPECTION
SLAC ASS. FOR-CCAT INSP.
MANDATORY INSPECTION
POINT (BEST POINT) 0.0000 0.0000 1.0000

* PROCESS PER CAA STEP 45.

DATE... QTY... REMARKS... STATUS
7.12.05 1 SLAT 1791
LAT TO QA

WORK PRG: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

PN# LAT-DS-02266
M. GLAST. TFS

WO# 112074
REQ DATE 02-10-05
REL DATE 12-21-04
SO#
PO# 000008800

CUST T#
QTY
PROJECT#
CUST#

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



46 211 00 CCA/BLACK BOX ASSY AREA
HAND CLEAN AND TEST
THE CLEANLINESS OF CCA
ATTACH RESULTS REPORT TO
THE TRAVELER/MO. 0.0000 0.0000 0.0000

- * PROCESS CAA PER CAA STEP 46.
- * ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
7/12/05	1	Wash	Done 1212
7/14/05	1	Cleaness test	SPB



47 290 00 QUALITY ASSURANCE AREA
UPE: SLDR-0 ASSY-7 0.0000 0.0000 0.0000

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

DEFECT#:

DATE	QTY	REMARKS	STATUS
7/14/05	1		



48 350 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 7-14-05 START 3:30 STOP 5:30

DATE	QTY	REMARKS	STATUS
7-14-05	1	Bake + Mask	SPB

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 18

PM# LAI-05-02388
GLASS TPS

NO# 122074
REQ DATE 12-10-05
REL DATE 12-01-04
SOS#
PO# 0000046800

CUST PA
PROJ# 1
COST# 711300
19258

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



49 250 00 COATING/POURING AREA
NONFORMAL COATING 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 49:

NONFORMAL COATING PO# 32175 EXPIRATION DATE 12-15-05

AIR CURE DATE 7/11/05 START 2:00pm STOP 9:00pm

DATE QTY REMARKS STATUS
7-11-05 1 CAUT HIN



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

* PROCESS CAA PER CAA STEP 50:

OVEN CURE DATE 7-13-05 START 7:00 AM STOP 9:00 AM

OVEN CURE DATE 7-13-05 START 9:45 AM STOP 12:00 NOON

DATE QTY REMARKS STATUS
7-13-05 1 turn mask no



51 250 00 QUALITY ASSURANCE AREA
OPR. SLDR-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.
- CPA TEST REPORTS
- INSPECTION REPORTS
- NON-CONFORMANCE REPORTS
- END ITEM DATA PACKAGE FORM
- DIGITAL PHOTOGRAPHS, RECORDED ONTO CD.

DATE QTY REMARKS STATUS
7/14/05 1



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 15

W/E# LAT-05-01482
CLACT, 179

WOB# 112074
REQ DATE 12-10-15
REQ DATE 12-01-14
JOB# 000048800

CUST Q#
PROJECT#
CUST#

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



50 281 CS SOURCE INSPECTION 0.0000 0.0000 0.0000

* PROCESS QAA PER QAA STEP 52.
NOTE: NEAT ASSEMBLY IS LAT-05-01482.

DATE	QTY	REMARKS	STATUS
7.14.05	1	CLACT 1791	



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

PROD: _____ / _____
QA: _____ / _____

WORKMANSHIP:-----
IPC/EIA-754-D-1010 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.
31a 02.08.05

ASSEMBLY # : LAT-DS-02369
WH QUANTITY : 1
LOCATION: W02

BY LINE ITEM

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

E PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	EA	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	LOT	INVENTORY DETAIL		
				STAT QUANTITY	LOT #				LOT QUANTITY	LOT DATE	BIN
1	LAT-DS-02369 PWR. GLASS, TPS ORIGINAL QUANTITY...	EA	1.00				SK2 FN-D1		0.00		
			1.00	RSVD	1.00	120305	SKCF2	120305	15.00	09-11-07	
								PULLED:			
								PULLED:			
2	LAT-DS-02830-01 ASSY. CABLE, TPS I/P PWR ORIGINAL QUANTITY...	EA	1.00	BO		1.00	SK2 FN-(D0)17 J2		0.00		
			1.00				SKCF2		3.00		
								PULLED:			
								PULLED:			
3	LAT-DS-02465 HEAT SINK, TPS ORIGINAL QUANTITY...	EA	4.00				SK2 FN-D2		0.00		
			4.00	RSVD	4.00	115014	SKCF2	115014	66.00	06-23-07	
								PULLED:			
								PULLED:			
4	LAT-DS-02831-01 ASSY. CABLE, TPS O/P PWR ORIGINAL QUANTITY...	EA	1.00	BO		1.00	SK2 FN-(D4)18 J1		0.00		
			1.00				SKCF2		9.00		
								PULLED:			
								PULLED:			
5	LAT-DS-03598 SUPPORT. CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00				SK2 FN-D21		0.00		
			2.00	RSVD	2.00	120308	SKCF2	120308	23.00	09-11-07	IN ASSY
								PULLED:			
								PULLED:			
								PULLED:			
6	LAT-DS-05536 LABEL, SN ORIGINAL QUANTITY	EA	1.00	BO		1.00	SK2 FN-D22		0.00		
			1.00				SKCF2		0.00		
								PULLED:			
								PULLED:			
7	NAS1149CN43DR WASHER ORIGINAL QUANTITY...	EA	4.00				SK2 FN-D5		0.00	07-31-01	A4F
			4.00	RSVD	4.00	115016	SKCF2	115016	148.00	09-27-04	LOT 119
								PULLED:			
								PULLED:			
8	NAS67105 NUT #6, SM, PAT ORIGINAL QUANTITY	EA	18.00	RSVD	10.00	122955	SK2 FN-G		545.00	02-02-05	
			18.00					PULLED:			

19

ASSEMBLY # : LAT-09-02388
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

AFFECTIVITY DATE : 02-13-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

LINE FULLED:

FULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	REQUIREMENTS	RESV IN	LOT #	INVL0C NUMBER	LOT	INVT0RY DETAIL			
										QUANTITY	LOT DATE	BIN	QUANTITY
8	NAS67106 NUT, #6, SM, FAT Cont from prior page.	EA	19.00					FN-6	117403	57.00	11-04-04	D3H	
								FN-6	122960	910.00	02-02-05		
								FN-6	122986	500.00	02-03-05		
								FN-6	122987	500.00	02-02-05		
								SKCF2	44671	18.00	08-19-00	CF1D	
									116770	433.00	12-28-04		
9	NAS1352N06-6 SCREW ORIGINAL QUANTITY...	EA	7.00					SK2 FN-D7		0.00			
			7.00					SKCF2	115011	121.00	09-27-04		
				RSVD	7.00	115011							
10	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D8		0.00			
			4.00					SKCF2	114832	504.00	09-23-04	LOT 115	
				RSVD	4.00	114832			1.5013	712.00	09-27-04	IN ASSY	
11	NAS11490NG32R WASHER ORIGINAL QUANTITY...	EA	19.00					SK2 FN-D9		0.00			
			19.00					SKCF2	115010	327.00	09-27-04		
				RSVD	19.00	115010							
12	NAS67104 NUT, HEX, SS, PASS, 4-40TRD ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	122091		SK2 FN-D10	122091	133.00	01-20-05	MW7	
			4.00					FN-D10	122142	64.00	01-20-05		
								FN-D10	122180	250.00	11-21-05		
								FN-D10	103196	2000.00	12-04-05		
								FN-D10	123384	120.00	02-07-02		

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ASSEMBLY # : IAT-D5-02388
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

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

RE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	REQD QTY	CURR STATUS	RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL		
							QUANTITY	LOT DATE	BINLOC
12	NAS87104 MUT. HEX, SS, PASS, 4-40TRD Cont from prior 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	123691	700.00	02-07-05	
						PULLED:			
					SKCF2	115009	21.00	09-27-04	LOC 115
						PULLED:			
13	CV-2946 RTV, NUSIL TECH ORIGINAL QUANTITY...	02	1.00 80	1.00	SK2 FN-D11		2.00		
						PULLED:			
					SKCF2		0.00		
						PULLED:			
14	0181 ADHESIVE: HYSOL 402 KIT ORIGINAL QUANTITY...	02	1.00 80	1.00	SK2 FN-D12		0.00		
						PULLED:			
					SKCF2		1.00		
						PULLED:			
15	PLTM 076 TIE, CABLE, LOCKING, PANDUIT ORIGINAL QUANTITY...	EA	5.00 80	5.00	SK2 FN-D15		0.00		
						PULLED:			
					SKCF2		0.00		
						PULLED:			
16	5750 CONFORMAL COATING UREthane ORIGINAL QUANTITY...	02	1.00 80	1.00	SK2 FN-D17		0.00		
						PULLED:			
					SKCF2		0.00		
						PULLED:			
17	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	02	1.00 80	1.00	SK2 FN-D18		0.00		
						PULLED:			
					SKCF2		1.00		
						PULLED:			
18	M22759/11-24-8 CABLE TIE, WHITE ORIGINAL QUANTITY...	IN	1.00 80	1.00 80	SK2 FN-D19	46100	1050.00	09-14-00	END P4
						PULLED:			

115299

ASSEMBLY # : LAT-DS-02188
QUANTITY : 1
LOCATION: W03

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-31-04
DATE PRINTED : 02-11-05

PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS	REQD QTY	CURR STATUS	RESV IN LOT #	INVLOC	NUMBER	INVENTORY DETAIL			
									LOT	QUANTITY	LOT DATE	SIN

	WIRE, 24AWG, WHITE	IN					SKCF2	115299	17716	00	10-01-04	LOT1152	
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19	LAT-DS-04101 HEATSINK	EA		2.00			SK2	FN-D20					0.00
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	ORIGINAL QUANTITY...			2.00			SKCF2	120304	34.00	09-12-07			
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20	ARF461 IC FILTER	EA		1.00			SK2	FN-34 VR5					0.00
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	ORIGINAL QUANTITY...			1.00			SKCF2	114959	17.00	09-27-04			
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21	MAX724ECK IC	EA		7.00			SK2	FN-36 U6 U7 U8					0.00
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	ORIGINAL QUANTITY...			7.00			SKCF2	114961	149.00	09-27-04			
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22	5962A9663501VXC IC	EA		5.00			SK2	FN-35 U22 U229 U560 U699 U660					0.00
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	ORIGINAL QUANTITY...			5.00			SKCF2	120301	55.00	12-16-04	DRY-10		
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23	SSR10400TXV DIODE	EA		7.00			SK2	FN-15 D1 D2 D3 D4 D8 D19 D20					0.00
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	ORIGINAL QUANTITY...			7.00			SKCF2	114948	217.00	09-27-04			
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24	JANTXVIN4153UR-1 DIODE	EA		8.00			SK2	FN-20 D502 D503 D509 D592 D602 D603 D609 D699					0.00
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	ORIGINAL QUANTITY...			8.00			SKCF2	114949	205.00	09-27-04			
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25	JANTXVINE800US DIODE 1N811002	EA		8.00			SK2	FN-21 D601 D604 D507 D508 D611 D614 D607 D608					0.00
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	ORIGINAL QUANTITY...			8.00			SKCF2	114950	122.00	09-27-04			
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26	JANTXVIN6487UF DIODE	EA		8.00			SK2	FN-23 CR1 CR3 CR4 CR6 CR8 CR9					0.00
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	ORIGINAL QUANTITY...			8.00									
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ASSEMBLY # : 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

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL		
			QUANTITY	STAT			QUANTITY	LOT	LOT DATE
11	DIODE Cont from prior page.	EA	RSVD	6.00	114952	SKCF2 114952	114.00	09-27-04	
27	JANTXV1N4106UR-1 DIODE ORIGINAL QUANTITY...	EA	RSVD	4.00	114953	SK2 FN-24 CR5 D10 D505 D635 SKCF2 114953	61.00	09-27-04	
28	JANTXV1N4494US DIODE ORIGINAL QUANTITY...	EA	RSVD	1.00	114955	SK2 FN-26 D600 SKCF2 114955	14.00	09-27-04	
29	JANTXV1N6488US DIODE ORIGINAL QUANTITY...	EA	RSVD	1.00	114951	SK2 FN-22 CR1 SKCF2 114951	17.00	09-27-04	
30	JANTXV2N343P TRANSISTOR ORIGINAL QUANTITY...	EA	RSVD	4.00	115006	SK2 FN-51 Q534 Q550 Q64 Q650 SKCF2 115006	4.00	09-27-04	
31	5952R9582602VXC IC ORIGINAL QUANTITY...	EA	RSVD	6.00	120302	SK2 FN-38 U1 U2 U21 U22 U561 U601 SKCF2 120302	102.00	12-15-04 DAY-10	
32	CRK32BM101RMUS CAP 0.01UF 100V 10% ORIGINAL QUANTITY...	EA	RSVD	22.00	114937	SK2 FN-4 C1 C5 C9 C31 C33 C35 C37 C54 C62 C66 C73 C76 C110 C111 C115 C103 C205 C556 C598 C606 C696 C685 SKCF2 114937	222.00	09-27-04	
33	CRK32BUC106RCH CAPACITOR ORIGINAL QUANTITY...	EA	RSVD	4.00	114939	SK2 FN-6 C550 C597 C650 C697 SKCF2 114939	308.00	09-27-04	
34	M38006/22-0567H RESISTOR ORIGINAL QUANTITY...	EA		30.00		SK2 FN-2 C2 C3 C101 C103 C105 C107 C109 C113 C115 C117 C119 C121 C123 C125 C127 C129 C131 C133 C135 C137 C139 C141 C143 C145 C147 C149 C151 C153 C155 C157 C159 C161 C163 C165 C167 C169 C171 C173 C175 C177 C179 C181 C183 C185 C187 C189 C191 C193 C195 C197 C199 C201 C203 C205 C207 C209 C211 C213 C215 C217 C219 C221 C223 C225 C227 C229 C231 C233 C235 C237 C239 C241 C243 C245 C247 C249 C251 C253 C255 C257 C259 C261 C263 C265 C267 C269 C271 C273 C275 C277 C279 C281 C283 C285 C287 C289 C291 C293 C295 C297 C299 C301 C303 C305 C307 C309 C311 C313 C315 C317 C319 C321 C323 C325 C327 C329 C331 C333 C335 C337 C339 C341 C343 C345 C347 C349 C351 C353 C355 C357 C359 C361 C363 C365 C367 C369 C371 C373 C375 C377 C379 C381 C383 C385 C387 C389 C391 C393 C395 C397 C399 C401 C403 C405 C407 C409 C411 C413 C415 C417 C419 C421 C423 C425 C427 C429 C431 C433 C435 C437 C439 C441 C443 C445 C447 C449 C451 C453 C455 C457 C459 C461 C463 C465 C467 C469 C471 C473 C475 C477 C479 C481 C483 C485 C487 C489 C491 C493 C495 C497 C499 C501 C503 C505 C507 C509 C511 C513 C515 C517 C519 C521 C523 C525 C527 C529 C531 C533 C535 C537 C539 C541 C543 C545 C547 C549 C551 C553 C555 C557 C559 C561 C563 C565 C567 C569 C571 C573 C575 C577 C579 C581 C583 C585 C587 C589 C591 C593 C595 C597 C599 C601 C603 C605 C607 C609 C611 C613 C615 C617 C619 C621 C623 C625 C627 C629 C631 C633 C635 C637 C639 C641 C643 C645 C647 C649 C651 C653 C655 C657 C659 C661 C663 C665 C667 C669 C671 C673 C675 C677 C679 C681 C683 C685 C687 C689 C691 C693 C695 C697 C699 C701 C703 C705 C707 C709 C711 C713 C715 C717 C719 C721 C723 C725 C727 C729 C731 C733 C735 C737 C739 C741 C743 C745 C747 C749 C751 C753 C755 C757 C759 C761 C763 C765 C767 C769 C771 C773 C775 C777 C779 C781 C783 C785 C787 C789 C791 C793 C795 C797 C799 C801 C803 C805 C807 C809 C811 C813 C815 C817 C819 C821 C823 C825 C827 C829 C831 C833 C835 C837 C839 C841 C843 C845 C847 C849 C851 C853 C855 C857 C859 C861 C863 C865 C867 C869 C871 C873 C875 C877 C879 C881 C883 C885 C887 C889 C891 C893 C895 C897 C899 C901 C903 C905 C907 C909 C911 C913 C915 C917 C919 C921 C923 C925 C927 C929 C931 C933 C935 C937 C939 C941 C943 C945 C947 C949 C951 C953 C955 C957 C959 C961 C963 C965 C967 C969 C971 C973 C975 C977 C979 C981 C983 C985 C987 C989 C991 C993 C995 C997 C999 C1001 C1003 C1005 C1007 C1009 C1011 C1013 C1015 C1017 C1019 C1021 C1023 C1025 C1027 C1029 C1031 C1033 C1035 C1037 C1039 C1041 C1043 C1045 C1047 C1049 C1051 C1053 C1055 C1057 C1059 C1061 C1063 C1065 C1067 C1069 C1071 C1073 C1075 C1077 C1079 C1081 C1083 C1085 C1087 C1089 C1091 C1093 C1095 C1097 C1099 C1101 C1103 C1105 C1107 C1109 C1111 C1113 C1115 C1117 C1119 C1121 C1123 C1125 C1127 C1129 C1131 C1133 C1135 C1137 C1139 C1141 C1143 C1145 C1147 C1149 C1151 C1153 C1155 C1157 C1159 C1161 C1163 C1165 C1167 C1169 C1171 C1173 C1175 C1177 C1179 C1181 C1183 C1185 C1187 C1189 C1191 C1193 C1195 C1197 C1199 C1201 C1203 C1205 C1207 C1209 C1211 C1213 C1215 C1217 C1219 C1221 C1223 C1225 C1227 C1229 C1231 C1233 C1235 C1237 C1239 C1241 C1243 C1245 C1247 C1249 C1251 C1253 C1255 C1257 C1259 C1261 C1263 C1265 C1267 C1269 C1271 C1273 C1275 C1277 C1279 C1281 C1283 C1285 C1287 C1289 C1291 C1293 C1295 C1297 C1299 C1301 C1303 C1305 C1307 C1309 C1311 C1313 C1315 C1317 C1319 C1321 C1323 C1325 C1327 C1329 C1331 C1333 C1335 C1337 C1339 C1341 C1343 C1345 C1347 C1349 C1351 C1353 C1355 C1357 C1359 C1361 C1363 C1365 C1367 C1369 C1371 C1373 C1375 C1377 C1379 C1381 C1383 C1385 C1387 C1389 C1391 C1393 C1395 C1397 C1399 C1401 C1403 C1405 C1407 C1409 C1411 C1413 C1415 C1417 C1419 C1421 C1423 C1425 C1427 C1429 C1431 C1433 C1435 C1437 C1439 C1441 C1443 C1445 C1447 C1449 C1451 C1453 C1455 C1457 C1459 C1461 C1463 C1465 C1467 C1469 C1471 C1473 C1475 C1477 C1479 C1481 C1483 C1485 C1487 C1489 C1491 C1493 C1495 C1497 C1499 C1501 C1503 C1505 C1507 C1509 C1511 C1513 C1515 C1517 C1519 C1521 C1523 C1525 C1527 C1529 C1531 C1533 C1535 C1537 C1539 C1541 C1543 C1545 C1547 C1549 C1551 C1553 C1555 C1557 C1559 C1561 C1563 C1565 C1567 C1569 C1571 C1573 C1575 C1577 C1579 C1581 C1583 C1585 C1587 C1589 C1591 C1593 C1595 C1597 C1599 C1601 C1603 C1605 C1607 C1609 C1611 C1613 C1615 C1617 C1619 C1621 C1623 C1625 C1627 C1629 C1631 C1633 C1635 C1637 C1639 C1641 C1643 C1645 C1647 C1649 C1651 C1653 C1655 C1657 C1659 C1661 C1663 C1665 C1667 C1669 C1671 C1673 C1675 C1677 C1679 C1681 C1683 C1685 C1687 C1689 C1691 C1693 C1695 C1697 C1699 C1701 C1703 C1705 C1707 C1709 C1711 C1713 C1715 C1717 C1719 C1721 C1723 C1725 C1727 C1729 C1731 C1733 C1735 C1737 C1739 C1741 C1743 C1745 C1747 C1749 C1751 C1753 C1755 C1757 C1759 C1761 C1763 C1765 C1767 C1769 C1771 C1773 C1775 C1777 C1779 C1781 C1783 C1785 C1787 C1789 C1791 C1793 C1795 C1797 C1799 C1801 C1803 C1805 C1807 C1809 C1811 C1813 C1815 C1817 C1819 C1821 C1823 C1825 C1827 C1829 C1831 C1833 C1835 C1837 C1839 C1841 C1843 C1845 C1847 C1849 C1851 C1853 C1855 C1857 C1859 C1861 C1863 C1865 C1867 C1869 C1871 C1873 C1875 C1877 C1879 C1881 C1883 C1885 C1887 C1889 C1891 C1893 C1895 C1897 C1899 C1901 C1903 C1905 C1907 C1909 C1911 C1913 C1915 C1917 C1919 C1921 C1923 C1925 C1927 C1929 C1931 C1933 C1935 C1937 C1939 C1941 C1943 C1945 C1947 C1949 C1951 C1953 C1955 C1957 C1959 C1961 C1963 C1965 C1967 C1969 C1971 C1973 C1975 C1977 C1979 C1981 C1983 C1985 C1987 C1989 C1991 C1993 C1995 C1997 C1999 C2001 C2003 C2005 C2007 C2009 C2011 C2013 C2015 C2017 C2019 C2021 C2023 C2025 C2027 C2029 C2031 C2033 C2035 C2037 C2039 C2041 C2043 C2045 C2047 C2049 C2051 C2053 C2055 C2057 C2059 C2061 C2063 C2065 C2067 C2069 C2071 C2073 C2075 C2077 C2079 C2081 C2083 C2085 C2087 C2089 C2091 C2093 C2095 C2097 C2099 C2101 C2103 C2105 C2107 C2109 C2111 C2113 C2115 C2117 C2119 C2121 C2123 C2125 C2127 C2129 C2131 C2133 C2135 C2137 C2139 C2141 C2143 C2145 C2147 C2149 C2151 C2153 C2155 C2157 C2159 C2161 C2163 C2165 C2167 C2169 C2171 C2173 C2175 C2177 C2179 C2181 C2183 C2185 C2187 C2189 C2191 C2193 C2195 C2197 C2199 C2201 C2203 C2205 C2207 C2209 C2211 C2213 C2215 C2217 C2219 C2221 C2223 C2225 C2227 C2229 C2231 C2233 C2235 C2237 C2239 C2241 C2243 C2245 C2247 C2249 C2251 C2253 C2255 C2257 C2259 C2261 C2263 C2265 C2267 C2269 C2271 C2273 C2275 C2277 C2279 C2281 C2283 C2285 C2287 C2289 C2291 C2293 C2295 C2297 C2299 C2301 C2303 C2305 C2307 C2309 C2311 C2313 C2315 C2317 C2319 C2321 C2323 C2325 C2327 C2329 C2331 C2333 C2335 C2337 C2339 C2341 C2343 C2345 C2347 C2349 C2351 C2353 C2355 C2357 C2359 C2361 C2363 C2365 C2367 C2369 C2371 C2373 C2375 C2377 C2379 C2381 C2383 C2385 C2387 C2389 C2391 C2393 C2395 C2397 C2399 C2401 C2403 C2405 C2407 C2409 C2411 C2413 C2415 C2417 C2419 C2421 C2423 C2425 C2427 C2429 C2431 C2433 C2435 C2437 C2439 C2441 C2443 C2445 C2447 C2449 C2451 C2453 C2455 C2457 C2459 C2461 C2463 C2465 C2467 C2469 C2471 C2473 C2475 C2477 C2479 C2481 C2483 C2485 C2487 C2489 C2491 C2493 C2495 C2497 C2499 C2501 C2503 C2505 C2507 C2509 C2511 C2513 C2515 C2517 C2519 C2521 C2523 C2525 C2527 C2529 C2531 C2533 C2535 C2537 C2539 C2541 C2543 C2545 C2547 C2549 C2551 C2553 C2555 C2557 C2559 C2561 C2563 C2565 C2567 C2569 C2571 C2573 C2575 C2577 C2579 C2581 C2583 C2585 C2587 C2589 C2591 C2593 C2595 C2597 C2599 C2601 C2603 C2605 C2607 C2609 C2611 C2613 C2615 C2617 C2619 C2621 C2623 C2625 C2627 C2629 C2631 C2633 C2635 C2637 C2639 C2641 C2643 C2645 C2647 C2649 C2651 C2653 C2655 C2657 C2659 C2661 C2663 C2665 C2667 C2669 C2671 C2673 C2675 C2677 C2679 C2681 C2683 C2685 C2687 C2689 C2691 C2693 C2695 C2697 C2699 C2701 C2703 C2705 C2707 C2709 C2711 C2713 C2715 C2717 C2719 C2721 C2723 C2725 C2727 C2729 C2731 C2733 C2735 C2737 C2739 C2741 C2743 C2745 C2747 C2749 C2751 C2753 C2755 C2757 C2759 C2761 C2763 C2765 C2767 C2769 C2771 C2773 C2775 C2777 C2779 C2781 C2783 C2785 C2787 C2789 C2791 C2793 C2795 C2797 C2799 C2801 C2803 C2805 C2807 C2809 C2811 C2813 C2815 C2817 C2819 C2821 C2823 C2825 C2827 C2829 C2831 C2833 C2835 C2837 C2839 C2841 C2843 C2845 C2847 C2849 C2851 C2853 C2855 C2857 C2859 C2861 C2863 C2865 C2867 C2869 C2871 C2873 C2875 C2877 C2879 C2881 C2883 C2885 C2887 C2889 C2891 C2893 C2895 C2897 C2899 C2901 C2903 C2905 C2907 C2909 C2911 C2913 C2915 C2917 C2919 C2921 C2923 C2925 C2927 C2929 C2931 C2933 C2935 C2937 C2939 C2941 C2943 C2945 C2947 C2949 C2951 C2953 C2955 C2957 C2959 C2961 C2963 C2965 C2967 C2969 C2971 C2973 C2975 C2977 C2979 C2981 C2983 C2985 C2987 C2989 C2991 C2993 C2995 C2997 C2999 C3001 C3003 C3005 C3007 C3009 C3011 C3013 C3015 C3017 C3019 C3021 C3023 C3025 C3027 C3029 C3031 C3033 C3035 C3037 C3039 C3041 C3043 C3045 C3047 C3049 C3051 C3053 C3055 C3057 C3059 C3061 C3063 C3065 C3067 C3069 C3071 C3073 C3075 C3077 C3079 C3081 C3083 C3085 C3087 C3089 C3091 C3093 C3095 C3097 C3099 C3101 C3103 C3105 C3107 C3109 C3111 C3113 C3115 C3117 C3119 C3121 C3123 C3125 C3127 C3129 C3131 C3133 C3135 C3137 C3139 C3141 C3143 C3145 C3147 C3149 C3151 C3153 C3155 C3157 C3159 C3161 C3163 C3165 C3167 C3169 C3171 C3173 C3175 C3177 C3179 C3181 C3183 C3185 C3187 C3189 C3191 C3193 C3195 C3197 C3199 C3201 C3203 C3205 C3207 C3209 C3211 C3213 C3215 C3217 C3219 C3221 C3223 C3225 C3227 C3229 C3231 C3233 C3235 C3237 C3239 C3241 C3243 C3245 C3247 C3249 C3251 C3253 C3255 C3257 C3259 C3261 C3263 C3265 C3267 C3269 C3271 C3273 C3275 C3277 C3279 C3281 C3283 C3285 C3287 C3289 C3291 C3293 C3295 C3297 C3299 C3301 C3303 C3305 C3307 C3309 C3311 C3313 C3315 C3317 C3319 C3321 C3323 C3325 C3327 C3329 C3331 C3333 C3335 C3337 C3339 C3341 C3343 C3345 C3347 C3349 C3351 C3353 C3355 C3357 C3359 C3361 C3363 C3365 C3367 C3369 C3371 C3373 C3375 C3377 C3379 C3381 C3383 C3385 C3387 C3389 C3391 C3393 C3395 C3397 C3399 C3401 C3403 C3405 C3407 C3409 C3411 C3413 C3415 C3417 C3419 C3421 C3423 C3425 C3427 C3429 C3431 C3433 C3435 C3437 C3439 C3441 C3443 C3445 C3447 C3449 C3451 C3453 C3455 C3457 C3459 C3461 C3463 C3465 C3467 C3469 C3471 C3473 C3475 C3477 C3479 C3481 C3483 C3485 C3487 C3489 C3491 C3493 C3495 C3497 C3499 C3501 C3503 C3505 C3507 C3509 C3511 C3513 C3515 C3517 C3519 C3521 C3523 C3525 C3527 C3529 C3531 C3533 C3535 C3537 C3539 C3541 C3543 C3545 C3547 C3549 C3551 C3553 C3555 C3557 C3559 C3561 C3563 C3565 C3567 C3569 C3571 C3573 C3575 C3577 C3579 C3581 C3583 C3585 C3587 C3589 C3591 C3593 C3595 C3597 C3599 C3601 C3603 C3605 C3607 C3609 C3611 C3613 C3615 C3617 C3619 C3621 C3623 C3625 C3627 C3629 C3631 C3633 C3635 C3637 C3639 C3641 C3643 C3645 C3647 C3649 C3651 C3653 C3655 C3657 C3659 C3661 C3663 C3665 C3667 C3669 C3671 C3673 C3675 C3677 C3679 C3681 C3683 C3685 C3687 C3689 C3691 C3693 C3695 C3697 C3699 C3701 C3703 C3705 C3707 C3709 C3711 C3713 C3715 C3717 C3719 C3721 C3723 C3725 C3727 C3729 C3731 C3733 C3735 C3737 C3739 C3741 C3743 C3745 C3747 C3749 C3751 C3753 C3755 C3757 C3759 C3761 C3763 C3765 C3767 C3769 C3771 C3773 C3775 C3777 C3779 C3781 C3783 C3785 C3787 C3789 C3791 C3793 C3795 C3797 C3799 C3801 C3803 C3805 C3807 C3809 C3811 C3813 C3815 C3817 C3819 C3821 C3823 C3825 C3827 C3829 C3831 C3833 C3835 C3837 C3839 C3841 C3843 C3845 C3847 C3849 C3851 C3853 C3855 C3857 C3859 C3861 C3863 C3865 C3867 C3869 C3871 C3873 C3875 C3877 C3879 C3881 C3883 C3885 C3887 C3889 C3891 C3893 C3895 C3897 C3899 C3901 C3903 C3905 C3907 C3909 C3911 C3913 C3915 C3917 C3919 C3921 C3923 C3925 C3927 C3929 C3931 C3933 C3935 C3937 C3939 C3941 C3943 C3945 C3947 C3949 C3951 C3953 C3955 C3957 C3959 C3961 C3963 C3965 C3967 C3969 C3971 C3973 C3975 C3977 C3979 C3981 C3983 C3985 C3987 C3989 C3991 C3993 C3995 C3997 C3999 C4001 C4003 C4005 C4007 C4009 C4011 C4013 C4015 C4017 C4019 C4021 C4023 C4025 C4027 C4029 C4031 C4033 C4035 C4037 C4039 C4041 C4043 C4045 C4047 C4049 C4051 C4053 C4055 C4057 C4059 C4061 C4063 C4065 C4067 C4069 C4071 C4073 C4075 C4077 C4079 C4081 C4083 C4085 C4087 C4089 C4091 C4093 C4095 C4097 C4099 C4101 C4103 C4105 C4107 C4109 C4111 C4113 C4115 C4117 C4119 C4121 C4123 C4125 C4127 C4129 C4131 C4133 C4135 C4137 C4139 C4141 C4143 C4145 C4147 C4149 C4151 C4153 C4155 C4157 C4159 C4161 C4163 C4165 C4167 C4169 C4171 C4173 C4175 C4177 C4179 C4181 C4183 C4185 C4187 C4189 C4191 C4193 C4195 C4197 C4199 C4201 C4203 C4205 C4207 C4209 C4211 C4213 C4215 C4217 C4219 C4221 C4223 C4225 C4227 C4229 C4231 C4233 C4235 C4237 C4239 C4241 C4243 C4245 C4247 C4249 C4251 C4253 C4255 C4257 C4259 C4261 C4263 C4265 C4267 C4269 C4271 C4273 C4275 C4277 C4279 C4281 C4283 C4285 C4287 C4289 C4291 C4293 C4295 C4297 C4299 C4301 C4303 C4305 C4307 C4309 C4311 C4313 C4315 C4317 C4319 C4321 C4323 C4325 C4327 C4329 C4331 C4333 C4335 C4337 C4339 C4341 C4343 C4345 C4347 C4349 C4351 C4353 C4355 C4357 C4359 C4361 C4363 C4365 C4367 C4369 C4371 C4373 C4375 C4377 C4379 C4381 C4383 C4385 C4387 C4389 C4391 C4393 C4395 C4397 C4399 C4401 C4403 C4405 C4407 C4409 C4411 C4413 C4415 C4417 C4419 C4421 C4423 C4425 C4427 C4429 C4431 C4433 C4435 C4437 C4439 C4441 C4443 C4445 C4447 C4449 C4451 C4453 C4455 C4457 C4459 C4461 C4463 C4465 C4467 C4469 C4471 C4473 C4475 C4477 C4479 C4481 C4483 C4485 C4487 C4489 C4491 C4493 C4495 C4497 C4			

ASSEMBLY # : LAT-DS-02166
QUANTITY : 1
LOCATION : R02

BY LINE ITEM

EFFECTIVITY DATE: 03-10-09
RELEASE DATE : 03-09-04
DATE PRINTED : 03-11-09

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PULLED BY:

LINE#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT QUANTITY	REV IN LOT #	INVLOC	LOC NUMBER	INVENTORY DETAIL		
									LOT QUANTITY	LOT DATE	SIN QUANTITY
	CAPACITOR Cont from prior page.	EA		RSVD	30.00	114941	SKCF2	114941	0.00	09-27-04	
35	1210B5663K251VHTM CAPACITOR	EA	12.00				SK2		0.00		
	ORIGINAL QUANTITY...		12.00				FN-13 C601 C608 C610 C611 C614 C640 C601 C608 C610 C611 C614 C640				
				RSVD	12.00	114802	SKCF2	114802	632.00	03-23-04	
36	RXK365 FUSE	EA	2.00				SK2		0.00		
	ORIGINAL QUANTITY...		2.00				FN-32 F2 F3				
				RSVD	2.00	114957	SKCF2	114957	46.00	09-27-04	
37	5982L8771002VXA IC	EA	2.00				SK2		0.00		
	ORIGINAL QUANTITY...		2.00				FN-37 U6C4 U6C4				
				RSVD	2.00	114962	SKCF2	114962	49.00	09-27-04	
38	32786-31 INDUCTOR	EA	12.00				SK2		0.00		
	ORIGINAL QUANTITY...		12.00				FN-39 L1 L2 L3 L4 L5 L6 L7 L10 L11 L13 L13 L14				
				RSVD	12.00	114964	SKCF2	114964	715.00	09-27-04	
39	32763-31 INDUCTOR	EA	2.00				SK2		0.00		
	ORIGINAL QUANTITY...		2.00				FN-40 L601 L601				
				RSVD	2.00	114965	SKCF2	114965	15.00	09-27-04	
40	1R30N597014 TRANSISTOR	EA	3.00				SK2		0.00		
	ORIGINAL QUANTITY...		3.00				FN-41 Q10 Q11 Q12				
				RSVD	3.00	114966	SKCF2	114966	97.00	09-27-04	
41	MOT15CPX000 THICK FILM JUMPER	EA	15.00				SK2		0.00		
	ORIGINAL QUANTITY...		15.00				FN-42 R23 R24 R117 R216 R245 R218 R242 R229 R230 R269 R272 R279 R2100 R2101 R2102				
				RSVD	15.00	114817	SKCF2	114817	1618.00	09-23-04	
								114987	754.00	03-27-04	

ASSEMBLY # : IAT-DS-02388
 QUANTITY : 1
 LOCATION: W02

BY LINE ITEM

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

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LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN	LOT	INVLOC NUMBER	INVENTORY DETAIL		
									LOT QUANTITY	LOT DATE	BIN
42	M55342K09B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-44 R590 R690		0.00		
				RSVD	2.00	114828	SKCF2 114828		44.00	09-23-04	
							FULLED:				
							114969		225.00	09-27-04	
							FULLED:				
43	M55342K06B1E21R RESISTOR ORIGINAL QUANTITY...	EA	3.00				SK2 FN-46 R5 R8 R21		0.00		
				RSVD	3.00	114971	SKCF2 114971		242.00	09-27-04	
							FULLED:				
44	M55342K06B1E37R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-47 R05 R08 R51 R52		0.00		
				RSVD	4.00	114972	SKCF2 114972		15.00	09-27-04	
							FULLED:				
45	M55342K04B1E00R RESISTOR, CHIP, 100K, 1K OHM ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	9100	SK2 91693 FN-48 R17 R21 R48 R81 R55D R55D		156.00	09-30-03	660
							SKCF2 114818		1235.00	09-23-04	
							FULLED:				
							114976		175.00	09-27-04	
							FULLED:				
46	M55342K08B1F00R RESISTOR, CHIP, 120K, 1K OHM ORIGINAL QUANTITY...	EA	6.00				SK2 FN-49 R506 R515 R556 R606 R615 R656		0.00		
				RSVD	6.00	114819	SKCF2 114819		630.00	09-23-04	
							FULLED:				
							114977		217.00	09-27-04	
							FULLED:				
47	M55342K09B1E01R RES, CHIP, 10.00K, 1K, 72W ORIGINAL QUANTITY...	EA	1.00				SK2 FN-50 R23C		0.00		
				RSVD	1.00	115091	SKCF2 115091		137.00	09-28-04	
							FULLED:				
48	M55342K06B1E21R RESISTOR "R" ORIGINAL QUANTITY...	EA	3.00				SK2 FN-52 R71 R15 R77		0.00		
				RSVD	3.00	114980	SKCF2 114980		75.00	09-27-04	
							FULLED:				

ASSEMBLY # : LAT-DS-02188
 QUANTITY : 1
 LOCATION: W02

BY LINE ITEM

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

... & PULLED: _____ PULLED BY: _____

LINE	DESCRIPTION	UM	REQUIREMENTS			INVLOC	LOT NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STAT	STATUS			RESV IN LOT #	LOT QUANTITY	LOT DATE
	RESISTOR Cont from prior page.	EA		RSVD	1.00	114968	SKCF2 114968	93.00	09-27-04	
							FULLED:			
64	M55342K06B1921R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-45 R20 R53 R58 R61	0.00		
			4.00				FULLED:			
				RSVD	4.00	114970	SKCF2 114970	222.00	09-27-04	
							FULLED:			
65	M55342K06B2821R RESISTOR ORIGINAL QUANTITY...	EA	6.00				SK2 FN-51 R17 R40 R64 R65 R66 R67	0.00		
			6.00				FULLED:			
				RSVD	6.00	114979	SKCF2 114979	43.00	09-27-04	
							FULLED:			
66	M55342K09B10F0R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-60 R543 R544 R643 R644	0.00		
			4.00				FULLED:			
				RSVD	4.00	114820	SKCF2 114820	84.00	09-23-04	
							FULLED:			
							114988	2.00	09-27-04	
							FULLED:			
67	M55342K06B13E0R RESISTOR ORIGINAL QUANTITY...	EA	3.00				SK2 FN-61 R18 R35 R46	0.00		
			3.00				FULLED:			
				RSVD	3.00	114989	SKCF2 114989	22.00	09-27-04	
							FULLED:			
68	M55342K06B15E0R RESISTOR CHIP .160K, 15K O ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	4305	SK2 4305 FN-62 R19	140.00	09-26-98	SSS
			1.00				FULLED:			
							SKCF2 114990	93.00	09-27-04	
							FULLED:			
69	M55342K06B18E2R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-63 R231 R567	0.00		
			2.00				FULLED:			
				RSVD	2.00	114991	SKCF2 114991	122.00	09-27-04	
							FULLED:			
70	M55342K06B10E0R RESISTOR, 20Kohms ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	17105	SK2 17105 FN-64 R505 R507 R510 R525 R605 R607 R610 R625	300.00	03-23-99	89F
			8.00				FULLED:			
							46973 FN-64 R505 R507 R510 R525 R605 R607 R610 R625	1000.00	09-26-00	
							FULLED:			

114972

ASSEMBLY 1 : LAT-DS-02388
 QUANTITY : 1
 LOCATION: W03

BY LINE ITEM

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

.....2 PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL				
			REQUIRED QUANTITY	CURR STATUS			LOT	LOT QUANTITY	LOT DATE	WIN	BINLOC QUANTITY
	RESISTOR, 20Kohms Cont from prior page.	EA				SKCF2 114992	200.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
71	M55342K09B22D1R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 FN-65 R511	0.00				
						PULLED:	_____	_____	_____	_____	_____
			RSVD	1.00	114993	SKCF2 114993	117.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
72	M55342K06B22B1R RESISTOR ORIGINAL QUANTITY...	EA	5.00			SK2 50590	33.00	12-15-00	55G		
						FN-66 R34 R45 R512 R566 R612					
						PULLED:	_____	_____	_____	_____	_____
			RSVD	5.00	114994	SKCF2 114994	272.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
						50591	10.00	12-15-00	55G		
						PULLED:	_____	_____	_____	_____	_____
73	M55342K06D33E2R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 FN-67 R616	0.00				
						PULLED:	_____	_____	_____	_____	_____
			RSVD	1.00	114995	SKCF2 114995	134.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
74	M55342K06B49D9R RESISTOR, 49.9Kohms ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	SK2 81542	313.00	03-31-03	51E		
						FN-68 R27 R42 R558 R599 R698 R699					
						PULLED:	_____	_____	_____	_____	_____
						SKCF2 114996	249.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
75	M55342K06B61E9R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	SK2 84266	17.00	04-15-08	57H		
						FN-69 R647					
						PULLED:	_____	_____	_____	_____	_____
						SKCF2 114997	141.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
76	M55342K06B100DR RESISTOR, CHIP, 100W, 100 OH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	SK2 10427	240.00	04-27-04	57H		
						FN 70 R501 R530 R601 R630					
						PULLED:	_____	_____	_____	_____	_____
						SKCF2 114998	348.00	09-23-04			
						PULLED:	_____	_____	_____	_____	_____
						114996	6.00	09-27-04			
						PULLED:	_____	_____	_____	_____	_____
77	M55342K06B100DR RESISTOR, CHIP, 100W, 100 OH ORIGINAL QUANTITY...	EA	13.00			SK2	0.00		55G		
						FN-71 R6 R7 R200 R201 R202 R203 R204					
						R206 R207 R513 R597 R613 R697					
						PULLED:	_____	_____	_____	_____	_____



ASSEMBLY # : LAT-DS-02388 BY LINE ITEM EFFECTIVITY DATE: 02-13-05
 QUANTITY : 1 RELEASE DATE : 02-01-04
 LOCATION: W03 DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIRED QUANTITY	CURR STATUS	STAC QUANTITY	REV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
									LOT QUANTITY	LOT DATE	SINLOC	SIN QUANTITY
76	RESISTOR,CHIP,100K,100K Cont from prior page.	EA	13.00	RSVD	13.00	114523	SKCF2	114523	1316.00	09-23-04	593	
								PULLED:				
								114999	160.00	03-12-04		
								PULLED:				
								96596	40.00	01-08-04		
								PULLED:				
78	M55142K06B301DR RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	50759	SK2	50769	20.00	12-20-03	893	
								FN-72 R50				
								PULLED:				
								SKCF2 91325	84.00	09-24-03	6720	
								PULLED:				
								115000	47.00	09-27-04		
								PULLED:				
79	D55142K07B402DR RES. 102K, 1/4W, 1% ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84272	SK2	84272	20.00	04-15-03	512	
								FN-73 R532				
								PULLED:				
								2714	10.00	09-26-03		
								FN-73 R532				
								PULLED:				
								SKCF2 115001	92.00	09-27-04		
								PULLED:				
	D55142K07B511DR RESISTOR ORIGINAL QUANTITY...	EA	10.00					SK2	0.00			
								FN-74 R531 R553 R554 R555 R631 R632 R633				
								R453 R454 R655				
								PULLED:				
								SKCF2 115002	115.00	09-27-04		
								PULLED:				
81	M55142K06B549DR RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2	0.00			
								FN-75 R122 R143				
								PULLED:				
								SKCF2 115003	4.00	09-27-04		
								PULLED:				
82	5112P18-0557R0 THERMISTOR, 30K ORIGINAL QUANTITY...	EA	2.00					SK2	0.00			
								FN-79 R1 R2				
								PULLED:				
								SKCF2 115004	2.00	09-27-04		
								PULLED:				
83	2ANTXVNT3322A0B TRANSISTOR NPN ORIGINAL QUANTITY...	EA	21.00					SK2	0.00			
								FN-80 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 Q28 Q29 Q30 Q31 Q32 Q33 Q34 Q35 Q36 Q37 Q38 Q39 Q40 Q41 Q42 Q43 Q44 Q45 Q46 Q47 Q48 Q49 Q50 Q51 Q52 Q53 Q54 Q55 Q56 Q57 Q58 Q59 Q60 Q61 Q62 Q63 Q64 Q65 Q66 Q67 Q68 Q69 Q70 Q71 Q72 Q73 Q74 Q75 Q76 Q77 Q78 Q79 Q80 Q81 Q82 Q83 Q84 Q85 Q86 Q87 Q88 Q89 Q90 Q91 Q92 Q93 Q94 Q95 Q96 Q97 Q98 Q99 Q100				
								PULLED:				
								SKCF2 120303	120.00	12-16-04		
								PULLED:				

**ASSEMBLY # : LAT-DS-02386
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

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

DATE FULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
				CURR STATUS	STAT QUANTITY				QUANTITY	LOT DATE	BIN
84	JANTXV2N2507AUB TRANSISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-52	Q699 Q699 PULLED:	0.00		
			2.00	RSVD	2.00	115007	SKCF2	115007 PULLED:	27.00	09-27-04	
85	M55342K09B4E99R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-54	R515 R519 PULLED:	0.00		
			2.00	RSVD	2.00	114982	SKCF2	114982 PULLED:	217.00	09-27-04	
86	M55342K0695E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	60770	SK2 FN-55	40670 R508 R508 PULLED:	44.00	09-07-01	59F
			2.00				SKCF2	114929 PULLED:	9.00	09-19-05	
								114983 PULLED:	204.00	09-23-04	
								114983 PULLED:	232.00	09-27-04	
87	M55342K09B10DOR RESISTOR ORIGINAL QUANTITY...	EA	1.00				SK2 FN-58	R611 PULLED:	0.00		
			1.00	RSVD	1.00	114986	SKCF2	114986 PULLED:	237.00	09-27-04	

DEFECT RECORD REPORT

ID: 29525

PART NUMBER: LAT-DS-02388

WORK ORDER: 112074

SALES ORDER: F17300

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 1258

OFF ASSEMBLY: 1645

DATE: 2/18/2005

WEEK CODE: 9

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
121	1	1858	S401		POOR WETTING	R41	

R41

POOR WETTING

04/04/05 Rework done by: *[Signature]* 2/18/05

DEFECT RECORD REPORT

ID: 29619

PART NUMBER: LAT-DS-02388

WORK ORDER: 112074

SALES ORDER: F17300

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: SANDOVAL

OFF. SOLDER: 1421

OFF. ASSEMBLY: 786

DATE: 2/23/2005

WEEK CODE: 10

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT121	1	1858	A342		> 25% OVERHANG	L14	
GT121	1	1858	S402		INSUFFICIENT SOLDER	L4	
GT121	1	1858	S402		INSUFFICIENT SOLDER	L3	

04/04/05 Rework done by 04/04/05

04/04/05

CCA PIN: LAT-DS-02388 G-LAT-1741-GT121

W.O. #: 112074

CC Tech: HIW (Initial / Employee #)

Date: 7/12/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

Lot Number: AK5DB8066A Expiration Date: 12-15-05

MIX RATIOS: 18 5750A 100 5750B

AIR CURE: 2 hr 7:00pm - 9:00pm 7-12-05

OVEN CURE: 2 hr 9:45Am - 12:00pm 7-13-05

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	4-22-05	G. HEFRIN	4-22-05	BERGTHOLT	4/21/05	P. LUJAN	4-21-05
PREPARED BY	DATE	ENG MGR	QA MGR	PROD MGR	DATE	SOURCE	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>121</u> , GLAT- <u>1791</u>	Byp	04/23/05	
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	04/27/05 04/27/05 04/27/05	
3	<p>OPERATOR:</p> <p>VERIFY PADS HAVE NO DAMAGE. 4/27/05</p>	Byp	04/27/05	
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	04/27/05	
4	<p>OPERATOR:</p> <p>HAND CLEAN BOARDS USING ALCOHOL.</p>	Byp	04/27/05	
5	<p>INSPECTION:</p> <p>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS</p>		5/2/05	
6	SOURCE INSPECTION		5/24/05	







REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
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ASSEMBLY NAME: TPS CCA	QTY: 1
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(Original signed edition reserved for copying) *SL*

APPROVAL G. POZZI	G. HEFKIN	K. BERGTHOLDT	P. LUJAN
PREPARED BY <i>[Signature]</i>	DATE 4-18-05	DATE 4-18-05	DATE 4-19-05
ENGINEER SUP.	QA MGR Eth.	DATE	SLAC SOURCE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>121</u> GLAT- <u>1791</u>	 <i>Sup</i>	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.	 <i>Sup</i>	04/23/05	
3	AQUEOUS CLEAN USING RECIPE #3	<i>SLC 1587</i>	4/29/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	 <i>Sup</i>	4/29/05	
5	SOURCE INSPECTION		5/24/05	







REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
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SEMBLY NAME: TPS CCA	QTY: 1
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APPROVAL					
G. POZZI	4-28-05	G. HEFKIN	K. BERGTHOLDT	P. LUJAN	4-28-05
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>121</u> GLAT- <u>1791</u>	 <i>[Signature]</i>	04/28/05	
2	OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40	 <i>[Signature]</i>	05/18/05	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	 <i>[Signature]</i>	5/21/05	
	SOURCE INSPECTION	 <i>[Signature]</i>	5/24/05	









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>gan</i>			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792 __ Serial Number <u>GT121</u> <u>GLAT 1791</u>	 <i>ByP</i>	04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	 <i>ByP</i>	05/19/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	 <i>ByP</i>	05/19/05	
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>REFER TO CAA LAT-DS-02388 FOR MIX INSTRUCTIONS</i>	 <i>ByP</i>	05/19/05	
5	Hysol 0151 data: DATE MIXED <u>05/19/05</u> Expiration Date <u>01/31/07</u> PO# <u>31403</u>	 <i>ByP</i>	05/19/05	
6	Inspection		5/21/05	
7	Source Inspection		5/24/05	



GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	<input type="text" value="2305"/>	CUSTOMER RETURN	<input type="checkbox"/>
DATE	<input type="text" value="4/14/2005"/>	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-02338"/>	PRODUCTION DEFECT	<input checked="" type="checkbox"/>
LOT QUANTITY	<input type="text" value="19"/>	QUANTITY REJECTED	<input type="text" value="19"/>
SALES ORDER	<input type="text" value="F17300"/>	REWORK REQUIRED	<input checked="" type="checkbox"/>
PURCHASE ORDER	<input type="text" value="43800"/>	QUANTITY REWORKED	<input type="text" value="19"/>
LOT NUMBER	<input type="text"/>	PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	<input type="text" value="112064"/>	PURCHASING QUANTITY REJECTED	<input type="text"/>
INITIATOR	<input type="text" value="Pat Lujan"/>		
ASSIGNED TO	<input type="text" value="SLAC"/>		
DATE REQUIRED	<input type="text" value="4/25/2005"/>		
ASSIGNED TO SIGNATURE	<input type="text" value="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:</p> <p>MRB concluded to remove and replace mosfets (P/N IRHNJ597034SCS, DLC 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-binned 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-tinned prior to Surface Mount Assembly.</p>		
CORRECTIVE ACTION	<p>Schedule a MRB meeting with SLAC and GTC to determine method of removal, pre-bin, and reworking of these components.</p> <p>Remove and replace with properly removed Gold per J-STD-001CS Para. 5.4.7</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	<input type="text" value="REWORK"/>		
Q/A APPROVAL	<input type="text" value="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

<p>NCMR NUMBER <input style="width: 50px;" type="text" value="2305"/></p> <p>DATE <input style="width: 50px;" type="text" value="4/14/2005"/></p> <p>CUSTOMER <input style="width: 100px;" type="text" value="SLAC"/></p> <p>CUSTOMER CONTACT <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>VENDOR <input style="width: 100px;" type="text"/></p> <p>PART NUMBER <input style="width: 100px;" type="text" value="LAT-DS-02338"/></p> <p>LOT QUANTITY <input style="width: 50px;" type="text" value="19"/></p> <p>SALES ORDER <input style="width: 100px;" type="text" value="F17300"/></p> <p>PURCHASE ORDER <input style="width: 100px;" type="text" value="46800"/></p> <p>LOT NUMBER <input style="width: 100px;" type="text"/></p> <p>WORK ORDER <input style="width: 100px;" type="text" value="112064"/></p> <p>INITIATOR <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>ASSIGNED TO <input style="width: 100px;" type="text" value="SLAC"/></p> <p>DATE REQUIRED <input style="width: 50px;" type="text" value="4/25/2005"/></p> <p>ASSIGNED TO SIGNATURE <input style="width: 100px;" type="text" value="SLAC"/></p> <p>DISCREPANCY</p>	<p>CUSTOMER RETURN <input type="checkbox"/></p> <p>RMA NUMBER <input style="width: 50px;" type="text"/></p> <p>QUANTITY RETURNED <input style="width: 50px;" type="text"/></p> <p>VENDOR DEFECT <input type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text"/></p> <p>PRODUCTION DEFECT <input checked="" type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text" value="19"/></p> <p>REWORK REQUIRED <input checked="" type="checkbox"/></p> <p>QUANTITY REWORKED <input style="width: 50px;" type="text" value="19"/></p> <p>PURCHASING DEFECT <input type="checkbox"/></p> <p>PURCHASING QUANTITY REJECTED <input style="width: 50px;" type="text"/></p>
NOTES	<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>
CAUSE	<p>Parts were provided in bulk to GTC. GTC outsourced tape and reel operation. Parts were not pre-binned prior to Surface Mount Assembly.</p>
CORRECTIVE ACTION	<p>Schedule a MRB meeting with SLAC and GTC to determine method of removal, prebin and reworking of these components.</p> <p>Remove and replace with properly removed Gold per J-STD-001C5 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-001C5</p>
FINAL DISPOSITION	<p><input style="width: 100px;" type="text" value="REWORK"/></p>
Q/A APPROVAL	<p><input style="width: 100px;" type="text" value="E-mails on file"/></p>

GENERAL TECHNOLOGY CORPORATION

NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	<input type="text" value="2294"/>	CUSTOMER RETURN	<input type="checkbox"/>
DATE	<input type="text" value="4/11/2005"/>	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 checked="" type="checkbox"/>
LOT QUANTITY	<input type="text" value="8"/>	QUANTITY REJECTED	<input type="text" value="8"/>
SALES ORDER	<input type="text" value="F17300"/>	REWORK REQUIRED	<input type="checkbox"/>
PURCHASE ORDER	<input type="text" value="48800"/>	QUANTITY REWORKED	<input type="text" value="0"/>
LOT NUMBER	<input type="text"/>	PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	<input type="text" value="112064"/>	PURCHASING QUANTITY REJECTED	<input type="text"/>
INITIATOR	<input type="text" value="Pat Lujan"/>		
ASSIGNED TO	<input type="text" value="SLAC"/>		
DATE REQUIRED	<input type="text"/>		
ASSIGNED TO SIGNATURE	<input type="text" value="Pat Lujan"/>		

DISCREPANCY

I/S: Insufficient staking on tantalum capacitors.
 S/B: Staking material should be in contact with both endfaces of the component.
 GLAT SN's 1774, 1775, 1776, 1778, 1779, 1780, 1781, 1782

NOTES

Per MRB Telecon held 4-15-2005.
 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.

CAUSE

Misinterpretation of Staking Specification J-STD-001CS Para. 10.3.d.

CORRECTIVE ACTION

All personnel involved in this operation to receive additional training. This includes the SLAC on site QA representative.
 SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.

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*

COST OF QUALITY

UP TELL 4-MIXED

CUSTOMER: SLAC

YF PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

ISSY/PNS LAT-DS-02831-01
ISSY. CABLE. TFS O/P FWR

WOB 112044
REQ DATE 02-03-05
REL DATE 02-02-05
MCH
PO# 0000046600

CUST #
QTY 18
PROJECT# P17300
CUST# 15356

-SERIAL NUMBER LISTING:-----

APPROVAL
PROD: 21/2/05
CA: 21/2/05

N/A

-WORKMANSHIP:-----

ANSI-Z-39.5-1983 CLASS 3, OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOT QTY	SERIAL NUMBERS	SEC NO.	REASON	APPRV DATE
A ¹	3	N/A	3		mm 2/1/05
B	4	N/A	3	To m.c.	mm 3/2/05
A ²	2	N/A	6	To move	mm 3/1/05
A ^{1B}	2	N/A	7	To move	mm 3/2/05
A ^{1A2}	6	N/A	7	To move	mm 3/3/05

(wobdr rev 05.19.04 glh)

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

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

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

27-05

mm



WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASSY/FIN# LAT-DS-02631-01
ASSY. CABLE, TPS O/P PWR

WOS 111044
REQ DATE 02-09-05
REL DATE 02-02-05
SO#
PO# 0000049900

CUST P#
QTY 19
PROJECT# 717300
CUST# 18356

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



2 202 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS/MATERIALS

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

DATE QTY REMARKS..... STATUS
2/9/05 19
[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

1 PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PNS: 1AT-DS-02831-31
ASSY, CABLE, TFS O/P PWR

WO# 112244
REQ DATE 02-08-05
REL DATE 03-02-05
SO# 0000046800

CUST PN
QTY 19
PROJECT# 113300
CUST# 19396

PAGE 3

LINE DEPT MACH# OPS DESCRIPTION..... H O U R S
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 SOCKET CONTACTS,
TIN LEADS.

* CRIMP TEST SETUP - GTC-2081

CUT 5 PIECES OF WIRE 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 ~~STRIPPERS~~ EMERSON WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF ~~1/8"~~ 3/16 (1.188)
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: Rm1970 DATE: 2/16/05 STATUS Pass Crimp Tensile Strength Paper attach

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG, ~~1/8" LONG~~ 3/16 (1.188)
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
- CUT 78 WIRES TO 8-1/2" (19.90") 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 (32D) ONTO LEAD.
USE M32520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.

3.6.05 crimp test H.G.#1941 pre-assy
3.7.05 crimp test H.G.#1941 pre-assy
3.13.05 post assy crimp test H.G.#1941

* POST-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST TWO
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
3/7/05	2	156 wires	
3/16/05	1	4 parts	

- 3.22.05 strip, tin, crimp H.G.#1941 (133)
- 3.27.05 strips H.G.#1941 (135)
- 3.28.05 crimp, tin, clean H.G.#1941 (192)
- 3.28.05 tin & clean H.G.#1941 (315)

350

EVBANKS SMALL MODEL #4900-CIM

Pass

000

DRG CELL: 4-MIXED

CUSTOMER: SLAC

7 PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/TNS LAT-DS-02331-01
ARR, CABLE, TFS D/P PAR

WOB 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SCH
POB 0000048800

CUST P#
PROJECT# 117300
CUST# 15356

PAGE 4

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: SLDR-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	46-1441
3/17/05	2	Strip & crimps	



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.

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4		Rm 1970
3-17-05	2		46-1441
3-24-05	2		46-1441

checked strips 375 wires 3/22/05
+ 1440
checked crimps & tin 3/24/05
checked wires for tinning 325 2m 1574



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-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	" " "	

BRK CELL: 4-MIXED

CUSTOMER: SLAC

6. ADDITION

WORK ORDER TRAVELLER - NEW

DEV/PNS: LAT-DS-02331-01
DEV. CABLE: TFS C/P PWR

WO# 112044
REQ DATE 02-08-05
REL DATE 03-02-05
SOS
POS 0000048800

CUST #
QTY 19
PROJECT# P17300
CUST# 15356

PAGE 5

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



7 210 00 CCA/BLACK BOX ASSY AREA 0.0000 3.0000 0.0000
POT WIRES AT CONNECTOR.

- * APPLY RTV, DGE-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (1.5").
- * 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 POS AND EXPIRATION DATE BELOW:

POS: 31695 EXP. DATE 07/10/05

- * CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (60 C).
- * RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

DATE	QTY	REMARKS	STATUS
<u>3/24/05</u>	<u>2</u>		<u>App'd 62</u>
<u>3/28/05</u>	<u>6</u>	<u>same lot of RTV used as above</u>	<u>H-6 #1941</u>
<u>4/22/05</u>	<u>6</u>		<u>1011262</u>



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-0 ASSY-7

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

DRR#(S) _____

- * ROUTE FOR NO CLOSURE AND NEXT ASSY - LAT-DS-02388.

DATE	QTY	REMARKS	STATUS
<u>4/23/05</u>	<u>5</u>		



(NEW)

WORK ORDER PICK LIST

PAGE: 1

ORDER # 133044
ASSEMBLY # LAT-DS-02831-01
QTY QUANTITY 19
WIP LOCATION W02

BY LINE ITEM

EFFECTIVITY DATE: 03-08-05
RELEASE DATE: 03-08-05
DATE PRINTED: 03-09-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		REQ IN	LOT	INVLOC NUMBER	INVENTORY DETAIL					
			QUANTITY	STAT				QUANTITY	LOT	LOT DATE	SINLOC	QUANTITY	
1	2065-1 CONN (311P407-55-B-15) ORIGINAL QUANTITY...	EA	1.00	SO	19.00		SKCF2 FN-1		0.00				
<p>The following parts have been defined as alternates for 2065-1: LIS 1.1 311P407-55-B-15 1 PER Partial quantity replacements are allowed.</p> <p style="text-align: center;">LAT-DS-02831 ID # 114947</p>													
2	M22755/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	860.00	ASVD	16340.00	115299	SKCF2 FN-3		34056.00	10-31-04	LOT1152		
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	26.84	SO	510.00		SKCF2 FN-2		0.00				
<p>The following parts have been defined as alternates for 206071-1: LIS 3.1 GOSS1 1 PER Partial quantity replacements are allowed.</p>													
3.1	GOSS1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	51.16	REVD	972.00	115021	SKCF2 FN-2		972.00	09-27-04			
<p>This line is an alternate part for line 3. GOSS1 is used in a 1 to 1 ratio to 206071-1. Partial quantity replacements are allowed.</p>													
4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	SO	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02831. APPLY HERE.		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 Marmol 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 1200 MP 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:	13.5	13.8	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):			

1000		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 #:		/		TEST DATE	
CONTACT PN:				2/16/05	
WIRE PN:				TESTED BY	
CRIMP TOOL PN (GTC Tool #):		(GTC-)		Rhonda Materson	
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)		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):					

7:15 a.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:	2060H-1			3.17.05	
WIRE PN:	M72759 / 11-24-9			TESTED BY	
CRIMP TOOL PN (GTC Tool #):	M72520 12-01 (GTC A.1012)			Herbie Gray	
DIE/LOCATOR PN (GTC Tool #):	M72520 12-06 (GTC A.192)			WORK ORDER NO.	
SELECTOR VALUE:	3			112044	
TEST EQUIP # (Last CAL date):	Alpha 101 MPT-700A (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:	12.4		12.9		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):					

11:15 P.M.

CRIMP TENSILE STRENGTH (AT-DS-02831-01)

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE <input type="radio"/> PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Deora 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 1-101)		Harvie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC A833)		WORK ORDER NO.
SELECTOR VALUE:	3		117024
TEST EQUIP # (Last CAL date):	Hydrotor 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:	13.5	13.4	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):

10:36 a.m.

for build of (e)

CRIMP TENSILE STRENGTH CAT-DS-02834-01

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:	20671-1	3-18-05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 12-01 (GTC 11002)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 12-06 (GTC 1812)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Alolston MPF200A (6/7/04)	
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	13.6	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):

11:00 a.m.

Build A (12)

CRIMP TENSILE STRENGTH CAT-DS-02381-01
MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE-PROD	<input type="radio"/> POST-PROD
CRIMP OPERATOR NAME/EMP #:	Hobie Gray 1# 1941	TEST DATE
CONTACT PN:	206071-1	3/22/05
WIRE PN:	M2259/11-249	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC # 192)	Hobie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC # 833)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Aluminum MET-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	13.4	13.4
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

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Harvie Gray 1#1941	TEST DATE 3.23.05 TESTED BY Harvie Gray WORK ORDER NO. 112044
CONTACT PN:	206071-1	
WIRE PN:	M22529 / 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC #1012)	
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-00 (GTC #833)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	Alpatorn-2001 (last cal)	
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-LAT-DS-02831-01
MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE-PROD	POST-PROD	
CRIMP OPERATOR NAME/EMP #:	Martha Villa ¹ 1742		TEST DATE
CONTACT PN:	2000071-1		4-20-05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A833)		Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22520-2-06 (GTC-A833)		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:	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):			

CRIMP TENSILE STRENGTH Assy-LA-03-0231-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Matha 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)	Matha 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:	13.4	13.4	13.4
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)			✓
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 ORDER TRAVELLER NEW

PAGE 1

N# LAT-DS-02830-01
A. CARTR. TPS 1/P 1W2

WOF 112043
REQ DATE 02-09-05
REL DATE 02 04 05
SOF
PO# 0000048800

CUST PR
QTY 17
INCLUTS P17J00
CUST# 15155

SERIAL NUMBER LISTING

N/A

APPROVAL
PROD: YH 2/8/05
QA: YH 2-9-05

WORKMANSHIP

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

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV DATE
A	13	N/A	6		mm 3/10/05
B	4	N/A	6	TO move.	mm 3/10/05
A2	2	N/A	6	TO move	mm 3/10/05

(wchdr rev 05.19.04 gh)

LIST 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 PD/PL OUTSTANDING EO'S
 ASSY & PL: LAT-DS-02830 53 NONE
 (REFERENCE ASSY/PL LAT-DS-02398 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

[Signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

/PNS LAT-DS-02820-01
CABLE. TFS 1/P PWR

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

CUST PR
QTY 19
PROJECT# P17300
CUST# 15356

.....
L14 DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... 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.

QTY	REMARKS	STATUS
21905		OK
19		

WORK CELL: 4-MIXED

CUSTOMER: FLAM

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

A. (WI) LAT-DS-02810-01
ASBY, CABLE, TFS 1/1 (WR)

WOB 112043
REQ DATE 02-09-05
REL DATE 02-03-07
SQ#
PO# 0000048800

CUST FR
QTY 10
PROJECT# F17300
CUST# 15354

PAGE 3

LINE DEPT MACH# OF# 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/WHT) WIRE *****
* CRIMP TEST SETUP - GTC-2081.

CUT 6 PIECES OF WIRE @ 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 SCHMIDTNER PNEUMATIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 1/8" (.125"),
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: 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" (.125")).
- 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) MOUNT INSULATION SLUG AND CRIMP CONTACT (220) 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: RM1970 DATE: 2/18/05 STATUS Pass

DATE	QTY	REMARKS	STATUS
2/18/05	4	4 sets of 10	RM1970
3/8/05	1	1 set of 10 (Rework)	CVD1920
3/19/05	2	2 set of 10	INV, DM, mm. (62)

3-16 01-4 - set of 10

3/16/05 w/ zero of 10 slip only

MV 1743

ECBAMPS SMALL MODEL #4900-c

7/11 (10)

3/11 (10)

116-3.8.05 #1941
K.H. 3/8/05
205 (QA)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

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

WOS: 112043
REQ DATE: 02-09-05
REL DATE: 02-03-05
SC#:
PO#: 0000048800

CUST P#:
QTY: 19
PROJECT#: P17300
CUST#: 15356

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: SLDR-20 ASSY #0

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

DRR#(S) 29547

DATE	QTY	REMARKS	STATUS
2/22/05	40/30		STARTED
3/9/05	10	Restripped ok	SLV



5 210 00 OCA/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	PIN#
PAIR #1	WHT	1
	RED	2
PAIR #2	WHT	3
	RED	4
PAIR #3	WHT	5
	RED	6
PAIR #4	WHT	7
	RED	8
PAIR #5	WHT	9
	RED	10
PAIR #6	WHT	11
	RED	12
PAIR #7	WHT	13
	RED	14
PAIR #8	WHT	15
	RED	16
PAIR #9	WHT	17
	RED	18
PAIR #10	WHT	19
	RED	20

- * 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	STATUS
3-8-05	1	complete	H-6-#1941
3-16-05	2	complete	H-6-#1941

WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN: IAT-DS-02830-01
ASSY, CABLE, TPS I/P FWR

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

CUST #
QTY 19
PROJECT# F17300
CUST# 15356

PAGE 5

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



9 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
NFE: SLDR-0 ASSY-26

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

DRR#(S)

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

DATE 3/9/05 QTY 3 REMARKS.....
DATE 3/14/05 QTY 2H



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

- APPLY RTV, EOC-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (1.5").
- TRANSFER RTV TO AN EPD 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 7-10-2005

- (TUBE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (50 C).
- RECORD CURE DATE, START/STOP TIME BELOW:

DATE START STOP

DATE 3-16-05 QTY 2 REMARKS..... STATUS ME/Am 1262

CLEAR Defect Report #2954
for 8 wires

MA BOM 2-25-05

3-14-05 22 11 post Crimp
with tin and length



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02810-01
ASSY. CABLE TPS 1/P PWR

WO# 112243
REQ DATE 02-09-05
REL DATE 02-03-05
SO#
PO# 0000046800

QTY 10
PROJECT# 17300
COST# 15350

PAGE 6

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



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-6 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
3/17/05	2		QC
_____	_____	_____	_____
_____	_____	_____	_____



WORK ORDER : 112043

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02830 01
W# QUANTITY : 19
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-08-05
RELEASE DATE : 02-03-05
DATE PRINTED : 02-09-05

D. PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL				
			QUANTITY	STAT				QUANTITY	QUANTITY	LOT DATE	BIN	QUANTITY
1	208500 CONN 311P407-2P-B-15/ ORIGINAL QUANTITY...	EA	1.00	BO	19.00		SKCF2 FN-1	0.00				
<p>The following parts have been defined as alternates for 208500-1: LI# 3.1 311P407-2P-B-15 1 PER Partial quantity replacements are allowed.</p> <p><i>S/B LAT-D? 02830</i> <i>107# 114944</i></p>												
2	M22759/11-24-2/9 WIRE, 24AWG RED/WHIT ORIGINAL QUANTITY...	IN	300.00	RSVD	5700.00	115300	SKCF2 FN-2	115300	11997.00	10-01-04		
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	20.00	RSVD	380.00	114796	SKCF2 FN-3	114796	401.00	09-23-04	IN ASSY	
<p>The following parts have been defined as alternates for 204370-8: LI# 3.1 GOSP1 1 PER Partial quantity replacements are allowed.</p>												
4	DCG-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO	19.00		SKCF2 FN-3		0.00			
<p>REQUIREMENT SHOWS ON LAT DS-02830. APPLY HERE. PULLED:</p>												

Assy

CRIMP TENSILE STRENGTH LAT-DS 02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa / 1712	TEST DATE
CONTACT PN:	204370-8	3-16-05
WIRE PN:	M33159/11-24-2/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M33520 13-01 (GTC-1014)	112043
DIE/LOCATOR PN (GTC Tool #):	M33520 13-01 (GTC-4831)	WORK ORDER NO.
SELECTOR VALUE:	3	Martha Villa
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:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	12.0	12.5	12.4
PASS/FAIL (circle test result)	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 #

CRIMP TENSILE STRENGTH LAT-DS-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1747		TEST DATE
CONTACT PN:	204370-8		3-14-05
WIRE PN:	M37754/11-24-2/9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M23530/01 (GTC A101P)		Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M23530/01 (GTC 48X)		WORK ORDER NO.
SELECTOR VALUE:	3		112043
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:	100	100	100
MEASURED TENSILE STRENGTH:	114	12.1	115
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):

DEFECT RECORD REPORT

ID: 29547

PART NUMBER: LAT-DS-02830-01

INSPECTION TYPE: CRIMPING

OFF SOLDERS: 20

WORK ORDER: 112043

INSPECTION LEVEL: 1

OFF ASSEMBLY: 30

SALES ORDER: F17200

INSPECTOR: VANDEVER

DATE: 2/22/2005

QUANTITY: 40 RW QTY: 8

WEEK CODE: 10

CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PINNOTES
NA	2	1970	A316	A-MIXED	CUTS OR NICKS	WIRES	Twisted wires. Red/white
NA	5	1970	A355	A-MIXED	IMPROPER CABLE LENGTH	WIRES	Twisted wires. Red/white

Run 1970

3/8/05 

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

/FN# CAT-DS-01461
GLAST, DAO, TEM

WO# 113117
REQ. DATE 04-23-05
RPT. DATE 04-24-05
COST# F17200
PC# 0000048199

CUST. QTY 1
PROJECT# F17200
CUST# 19399

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



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

- PROCESS ASSY PER CAA STEP 3;
- RECORD ADHESIVE DATA BELOW

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

DATE	QTY	REMARKS	STATUS
<u>7-19-05</u>	<u>1</u>		<u>AD</u>



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

- PROCESS ASSY PER CAA STEP 4
- INSTALLED OCA SERIAL NUMBER. GT116

DATE	QTY	REMARKS	STATUS
<u>7-19-05</u>	<u>1</u>		<u>AD</u>



5 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS

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

TORQUE TOOL = GTC-1/2-90172
 GTC-R-904 CAL DUE DATE 5.05

DATE	QTY	REMARKS	STATUS
<u>7-19-05</u>	<u>1</u>		<u>AD</u>
<u>7-19-05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	



WORK CELL: 1 BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

/PMP LAT-DG-01487
GLAST. DAO. TEM

W# 113117
REQ DATE: 04-03-05
REL DATE: 04-04-05
SOS: P17200
POS: 000048792

MUST #
PROG # P17200
COST # 15155

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



6 010 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS

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

ADHSV DISL. GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START 12:00 STOP 2:00

DATE	QTY	REMARKS	STATUS
7-19-05	1		AP



7 010 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
ASSY MARKING

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

INK 50-100R: GTC PO# 31201 EXPIRATION DATE 4-27-07

LOT # (PT A): 200409080033

LOT # (PT B): 200407020071

MIX RECORD (PT A WGT): 10g (PT B WGT): 6g

MARKING DATE/TIME: 7-19-05 - 12:00 - 2:00pm

CURE OCCURS AT STAKING STEP 13.

DATE	QTY	REMARKS	STATUS
7-19-05	1		AP



8 010 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE. BLDR-0 ASSY-107

- * PROCESS ASSY PER CAA STEP 8.

RECORD DEFECT REPORT NO. IF APPLICABLE. _____

DATE	QTY	REMARKS	STATUS
7/19/05	1		AP



TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WPN# LAT-06-01491
BLAST, DAO, TEM

WCH 112117
REQ DATE 04-20-05
REL DATE 04-24-05
QOH F17200
PO# 0000046799

CUST #
QTY 1
PROJECT# F17200
CUST# 12888

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



9 040 00 SOURCE INSPECTION
EXAMINE BOX ASSY 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 9.
- EXAMINE BOX ASSEMBLY PRIOR TO CLOSE

DATE	QTY	REMARKS	STATUS
7.20.05	1	GLAT1805	



10 017 00 OCA/BLACK BOX ASSY AREA
INSTALL LID 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 10:

DATE	QTY	REMARKS	STATUS
07/21/05	1		BYP(1288)



11 010 00 OCA/BLACK BOX ASSY AREA
TORQUE FASTENERS 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 11
- ALERT SLAC CAR TO WITNESS TORQUE PROCESS. ••
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW

TORQUE TOOL = GTC-E-951 1/2 GTC-A-977
 GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/21/05	1		BYP(1288)

DATE	QTY	REMARKS	STATUS
7.21.05	1	WITNESS TORQUE	



12 001 00 QUALITY ASSURANCE AREA
(FB) ELK-0 ASSY 01 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 12

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/21/05	1		



TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

FIN# 117-06-01481
GLASS, WRC, TEM

WOM 113117
MDO DATE 04-29-05
MEL DATE 04-04-05
MOL 042300
MOS 0000048788

CUST #
PROJECT #
CUST #

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



13 210 00 CCM/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS

* PROCESS ASSY PER CAA STEP 13.

* RECORD MATERIAL DATA BELOW:

ADMSV 01521 GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START- 07/21/05 10:00AM STOP- 12:00(NOON)

DATE	QTY	REMARKS	STATUS
07/21/05	1		Exp(1288)



14 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-D ASSY-37

* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/21/05	1		



15 290 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
7.21.05	1	GLAT 1805	

***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: WPKIN FOR ASSY REV: 54 DATE: 00.01.05
 ASSY CHG CWS
 REV BY DATE CHANGE DETAIL
 14 GCM 03/01/05 RELEASED AT REV 54, MND CAA AT REV -

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

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

WHS: LAT-DS-01646
CLASS: 110

NO: 112016
WHSO DATE: 02-01-05
WHSO DATE: 02-01-05
WHSO: 0000048799

CUST: 00000
PROJECT: 112000
CUST: 10100

*SERIAL NUMBER *****
FT116 GAT 1767

APPROVAL
PROD: 242/3/05
DATE: 2/3/05

PROGRAMSHIP: *****
1P0/EIA-3-STD-0010 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.

*RTR 02.02.05*****

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



1 200 CC CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIC

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV. NO/PL OUTSTANDING EQ'S
ASSY DWG. LAT-DS-01646 57 NONE 2/10 6/20/05
SMT PL. LAT-DS-02230 NONE
CUST SKW. LAT-DS-03018 NONE
ASSY AID: LAT-DS-01646 (RELEASED PER EQ 2263)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*REV'D/PREP'D BY: GH (DATE)DATE: 02.02.05

DATE...	QTY	REMARKS	STATUS
<u>2/3/05</u>			<u>ok</u>



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

- PROCESS PER CAR 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
<u>2/10/05</u>	<u>1</u>		<u>LT1114 2/2/05</u>



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

WORK CENTER: LAT-DS-01608
GLAST, TEM

WOM 112016
REQ DATE 12-03-05
REL DATE 12-21-04
SOP
PO# 0000048799

CUST PR
CUST# 15356
PROJECT# F17200
CUST# 15356

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



3 210 00 CCA/BLACK BOX ASSY AREA 1 3300 1 3300 1 3300
BOARD MARKING

* PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-7-05			IN



4 213 00 SMT ASSY LINE 0 0000 0 0000 0 0000
PRE-SMT OVEN BAKE

* PROCESS PER CAA STEP 4.

BAKE DATE: 2-7-05
START TIME: 11:00 AM
STOP TIME: 1:00 PM

DATE	QTY	REMARKS	STATUS
2-7-05	1	IN	OK 648
2-7-05		OUT	OK



5 213 00 SMT ASSY LINE 0 0000 0 0000 0 0000
SOLDER PASTE STENCIL
ONLY TOP SIDE GETS PARTS

* PROCESS PER CAA STEP 5.

* RECORD SOLDER PASTE DATA BELOW:

WTC FOR 31728 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2-9-05	1		IT

1 0000
2 0000
3 0000
4 0000
5 0000
6 0000
7 0000
8 0000
9 0000
10 0000

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

/25# LAC-05-01648
GLAST, TEM

WC# 112016
REQ. DATE 02-03-05
REL. DATE 11-21-04
SCH
PC# 0001046700

CUST P#
QTY 1
PROJECT# P11000
CUST# 10000

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



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

- PROCESS PER CAA STEP 4.
- RECORD SERIAL NUMBERS OF LISTED ASIC DEVICES:

FN-13 U3 1724 U4 1772 U5 1752 U6 1750
 FN-23 U54 1623 U55 1682 U56 1648 U57 1672
 U58 1622 U59 1651 U60 1673 U61 1650

DATE	QTY	REMARKS	STATUS
<u>2-9-05</u>	<u>1</u>		<u>78</u>



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
<u>2-9-05</u>	<u>1</u>		<u>77</u>



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 BA-24)

DATE	QTY	REMARKS	STATUS
<u>2-9-05</u>	<u>1</u>		<u>76</u>

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

APCN/PIN# LAT-15-01646
LAST. TEM

WOM 112016
REQ DATE 02-03-05
REL DATE 12-21-04
SO#
PO# 0000048799

CUST P#
PROJECT# 917210
CUST# 18354

PAGE 4

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



9 220 00 QUALITY ASSURANCE AREA 0.4400 0.4400 0.4400
CPE: SLDK-4163 ASSY-9203

* PROCESS PER CAA STEP 9.
** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.
DRA#(S) 29539

DATE QTY. REMARKS
2/19/05 1 116



11 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
PRE-WAVE BAKEOUT

* PROCESS PER CAA STEP 10.
BAKE DATE: 4/5/05 START: 7:15 STOP: 9:15

DATE QTY. REMARKS STATUS
4/5/05 1 1337



12 210 00 CCA/BLACK BOX ASSY AREA 2.4000 2.4000 2.4000
THRU-HOLE INSTALL

* PROCESS PER CAA STEP 11
* RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.
TOOL # GTC-A-972 CAL DUE DATE 8/05 (ASG ~~Box~~ Box GTC-E-944)

DATE QTY. REMARKS STATUS
4/5/05 1 1337



13 215 00 WAVESOLDER 0.5000 0.5000 0.5000
WAVE SOLDER

* PROCESS PER CAA STEP 12
DATE QTY. REMARKS STATUS
4-5-05 1 15

WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# 12016
REV DATE 02-23-05
REV DATE 12-21-04
REV DATE
REV DATE
REV DATE

NO# 12016
REV DATE 02-23-05
REV DATE 12-21-04
REV DATE
REV DATE
REV DATE

CUST #
PROJECT #
CUST #
CUST #
CUST #

PAGE 5

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



13 215 00 WAVE SOLDER
AQUEOUS CLEAN 0.2000 0.2000 0.2000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
4/5/05	1		me 1337



14 220 00 QUALITY ASSURANCE AREA
CPE: SLDX-600 ASSY-85 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14

** RECORD EFFECT RECORD NUMBER(S) BELOW.

DRAW#(S) 30545

DATE	QTY	REMARKS	STATUS
4/6/05	1	116	GTC



15 00 OCA/BLACK BOX ASSY AREA
TOUCHUP 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
4/7/05	1		me 1337



16 00 OCA/BLACK BOX ASSY AREA
ALCOHOL/DI CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
4/7/05	1		me 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

/TNS LAT-05-00648
COP. MAST. DEM

WOB 112016
REQ DATE 02-03-05
REL DATE 12-21-04
SO#
PO# 0000042739

CUST #
PROJECT# P11200
CUST# 15356

PAGE 4

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



17 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDK-200 ASSY-0

* PROCESS PER CAA STEP 17.
** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR#(S)

DATE	QTY	REMARKS	STATUS
4/7/05	1		OK



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

* PROCESS PER CAA STEP 18.

ADHESIVE PO# 32131 EXP. DATE: 10/1/05
FPGA SERIAL #'S: U45 40491 U62 50147

DATE	QTY	REMARKS	STATUS
5/11/05	1		OK



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

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
5/11/05	1		OK 1337



20 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-D3, D4, D5

* PROCESS PER CAA STEP 20.

DATE	QTY	REMARKS	STATUS
5/11/05	1		OK 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER NEW

W/P# LAT-DS-01444
CLAS: CLAS1. TEM

WO# 112116
REQ DATE 02-03-03
EST. DATE 12-21-04
SC#
PO# 0000248799

CUST.#
PROJECT#
COST#

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QTY 1
UNIT 1800
COST# 00386

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH SQ-LAT



01 212 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-R1, R2

* PROCESS PER CAA STEP 01

DATE	QTY	REMARKS	STATUS
5/11/05	1	SN 116	me 337



02 212 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
ALCOHOL/DI CLEAN

* PROCESS PER CAA STEP 02

DATE	QTY	REMARKS	STATUS
5/11/05	1		me 1337



03 290 00 QUALITY ASSURANCE AREA 0.2000 0.2000 0.2000
OPE SLER-217 ASSY-235

* PROCESS PER CAA STEP 03

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

DEF#(S)

DATE	QTY	REMARKS	STATUS
5/11/05	1		



04 005 00 OPEA INT 0.9100 0.9100 0.9100
OPEA TEST

* PROCESS PER CAA STEP 04

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

TEST#(S) 24820

DATE	QTY	REMARKS	STATUS
05/11/05	1	SN: GT 116	Failed
5/12/05	1	GT 116	Pass

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

DN# LAT-05-11644
SLAST: TEM

ROW 118106
REQ DATE 02-13-03
REL DATE 12-01-04
RO#
PO# 0000148799

CUST #
PROJECT# 1
COST# 1113000
COST# 100000

PAGE 3

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



DE	210	00	CCA/BLACK BOX ASSY AREA	13.8300	14.8300	13.8300
			INSTALL CONNECTOR-SOLDER			
			SLDR CONN J1-ROW 1>CHECK		me 1337 5/12/05	5/13/05
			SLDR-CONN J1-ROW 2>CHECK		337 5/12/05	5/13/05
			SLDR-CONN J1-ROW 3>CHECK		337 5/13/05	5/13/05
			SLDR-CONN J1-ROW 4>CHECK		me 1337 5/13/05	5/16/05

- PROCESS PER CAA STEP 25.
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

TOOL # GTR-E-944 CAL DUE DATE 8/05

DATE	QTY	REMARKS	STATUS
5/13/05	1	5/14 116	me 1337
_____	_____	_____	_____
_____	_____	_____	_____



DE	200	00	QUALITY ASSURANCE AREA	5.6800	5.6800	5.6800
			CPE: SLDR-999 ASSY-400			

- PROCESS PER CAA STEP 26.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DEF#(S)

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

WORK ORDER: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

CLA /TNS LAT-05-01646
CLAS CLASST. TRM

WOP 112016
ABO DATE 01-03-05
REL. DATE 11-21-04
SC4
POS 000046799

CUST #
PROJECT# P17200
CUST# 15356

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11= DEPT MACH# OP# DESCRIPTION

SET-UP RUN HOURS LINE MACH ST-LOC



07 350 00 COATING/POTTING AREA
POTTING/STAKING 0.8000 0.8000 0.0000

* PROCESS PER CAA STEP 07.

** RECORD MATERIAL DATA BELOW:

RTV D05-1114: GTC FOR 32070 EXPIRATION DATE 01/07/06

ADH5V 0151: GTC FOR 31403 EXPIRATION DATE 01/31/07

0151 ADHESIVE MIX RECORD (RECORD PER BATCH)

	BATCH #1	BATCH #2	BATCH #3	BATCH #4
RESIN WGT:	<u>6.5g</u>			
HARDENER WGT:	<u>2.0g</u>			

CURE DATE: 05/25/05 START: 2:30PM STOP: 4:30PM

DATE	QTY	REMARKS	STATUS
<u>05/25/05</u>	<u>1</u>		<u>ByP</u>



07 790 00 QUALITY ASSURANCE AREA
CFD: SLDR-0 ASSY-104 0.1000 0.1000 0.1000

* PROCESS PER CAA STEP 06.

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

DRR# (S)

DATE	QTY	REMARKS	STATUS
<u>5/25/05</u>	<u>1</u>		<u>ByP</u>



05 240 00 SOURCE INSPECTION
MIP - SER. QA INSPECTION
BEFORE SHIPMENT TO SLAC. 0.1000 0.1000 0.0000

* PROCESS PER CAA STEP 09.

* PLEASE RETURN DOA TO QA FOR SHIPMENT

DATE	QTY	REMARKS	STATUS
<u>6/6/05</u>	<u>1</u>		

LAT TO QA

WORK CELL: 4-MIXED

CUSTOMER: GLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

1720# GLACIOS DIESEL
GLACIOS TEM

NO. 01207
REV. 01207
DATE 02-03-05
DATE 02-03-05
DATE 02-03-05
0001048799

CUST. PR
PROJ. QTY
PROJ. NO
CUST. PR
1
117200
10338

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



30 100 00 PACKAGING/SHIPPING INSP
PACK & SHIP CCA 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
06/07/05	1		OK (1288)
07/01/05	1		OK (1288)



31 100 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.

DEFECTS: _____

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

DATE	QTY	REMARKS	STATUS
6/23/05	1		
7/13/05	1		

*Return to Glac/retire for replaced
connects
7/1/05*



32 100 00 SOURCE INSPECTION
GLAC CAR PRE-COAT INSP.
MANDATORY INSPECTION
POINT 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 11.

DATE	QTY	REMARKS	STATUS
7-13-05		GLAC 1767	



WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

/004 LAY-DS-01546
GLASS, TEM

WOB 112316
REV DATE 12-19-05
REL DATE 12-21-04
SOP
PO# 0000048799

CUST #
QTY 1
PROJECT# P17100
COST# 15356

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



33 210 00 OCA/BLACK BOX ASSY AREA
RECORD/DI CLEAN AND TEST
THE CLEANLINESS OF OCA. 0.2000 0.2000 0.2000

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

DATE	QTY	REMARKS	STATUS
7/14/05	1		AL1576
7/14/05	1	TEST	SM/1035



34 280 00 QUALITY ASSURANCE AREA
CPE: SLDR-0 ARRY-11 0.0000 0.0000 0.0000

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

DAR#(S)

DATE	QTY	REMARKS	STATUS
7/14/05	1		



35 251 00 COATING/POTTING AREA
MARK & CONFORMAL COATING 0.6000 0.6000 0.6000

- * PROCESS PER CAA STEP 35.
- *** WEAR PROTECTIVE GLOVES WHEN HANDLING OCA ***

RECORD BAKE DATE TIME START/STOP BELOW.

BAKE DATE: 7-14-05 START: 5:30pm STOP: 7:30pm

DATE	QTY	REMARKS	STATUS
7-14-05	1	Bake - mark	HW

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

TYPE: LAT-US-01640
GLAST, TEN

WJ# 112016
MATERIAL# 12-00-05
DATE 12-21-04
COST# 0000048799

CUST #
QTY 1
PROJECT# 717300
COST# 15356

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



36 000 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
SPRAY CONFORMAL COAT

* PROCESS PER CAA STEP 36.

CONFORMAL COAT MATERIAL PC#: 321741
EXP. DATE 12-15-05

TWO (2) HOUR AIR CURE (BEFORE OVEN BAKE):
DATE: 7-14-05 START: 7:30 pm STOP: 9:30 pm

DATE	QTY	REMARKS	STATUS
<u>7-14-05</u>	<u>1</u>	<u>Coat</u>	<u>HW</u>



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

* PROCESS PER CAA STEP 37.

FIRST BAKE DATE: 7-14-05 START: 10:30 pm STOP: 12:30 pm
TOUCHUP BAKE DATE: 7-15-05 START: 7:00 am STOP: 9:20 am

DATE	QTY	REMARKS	STATUS
<u>7/15/05</u>	<u>1</u>	<u>TJ Coat</u>	<u>SPR</u>

WORK CELL: 1-MIAXE

CUSTOMER: GLAT

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

PN# LAT-DS-01046
GLAST, TEM

WO# 112216
REQ DATE 02-23-05
REL DATE 12-21-04
SO#
PO# 0000048799

CUST #
QTY
PROJECT# F17200
CUST# 18358

LT# DEPT MACH# QTY DESCRIPTION H O U S E
SST-UP RUN... LINE-MACH ST-LOC



39 290 00 QUALITY ASSURANCE AREA 0.5000 0.5000 0.5000
OFF: SLDR-0 ASSY-02

- * PROCESS PER CAA STEP 38:
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW:

DEF#(S):
REFER TO CAA FOR DOCUMENTATION REQUIREMENTS TO ATTACH OR ADVANCE WITH THIS WORK ORDER. ITEMS MAY, OR WILL, INCLUDE THE FOLLOWING:

- ... MATERIAL CERTIFICATIONS...
- ... SPC TEST DEFECT REPORTS...
- ... INSPECTION DEFECT REPORTS...
- ... NON-CONFORMANCE REPORTS...
- ... FORM GTC 103 (DOC REV RECORD)...
- ... MO. LOTS REPORT...
- ... DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
7/15/05	1		GTC 103



39 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CSI

- * PROCESS PER CAA STEP 39:
- NOTE: NEXT ASSEMBLY IS LAT-DS-01481.
- ** PLEASE RETURN INSPECTED CCA TO QA UPON COMPLETION **

DATE	QTY	REMARKS	STATUS
7.18.05	1	GLAT 1767	LAT TO QA

ASSEMBLY : LAT-DS-01648
 QUANTITY : 1
 LOCATION : WOP

BY LINE ITEM

EFFECTIVITY DATE: 01-03-05
 RELEASE DATE: 01-03-05
 DATE PRINTED: 01-03-05

LINE	PART NUMBER AND DESCRIPTION	UNIT	REQUIREMENTS			INVLCD	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY			RESV IN LOT #	LOT QUANTITY	LOT DATE	SIN/LOC
1	LAT-DS-01648 PWB, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	120299	SKCP1 FN-D1 PULLED:	18.00	09-11-07	1	✓
2	LAT-DS-01026 PLATE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114784	SKCP2 FN-D6 PULLED:	18.00	06-19-07	1	✓
3	LAT-DS-01031 PIN, CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114785	SKCP2 FN-D7 PULLED:	38.00	06-19-07	2	✓
4	NAG1052N02-8 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114786	SKCP2 FN-D3 PULLED:	546.00	09-23-04	26	✓
5	LAT-DS-01582 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114787	SKCP2 FN-D5 PULLED:	38.00	09-23-04	2	✓
6	MS1057-13 SCREW, FINE, 4 1/2 X .25 ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	93945	SKCP2 FN-D10 PULLED: FN-D10 PULLED:	291.00	11-24-03 C3F	2	✓
7	NAG620-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00	114789	SKCP2 FN-D2 PULLED:	1052.00	09-23-04	52	✓
8	MS14471-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114790	SKCP2 FN-D8 PULLED:	94.00	09-23-04	4	✓
9	NAG671-C2 NUT ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114791	SKCP1 FN-D4 PULLED:	520.00	09-23-04	26	✓
10	LAT-DS-01588 ASSEMBLY, CABLE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	BO	1.00		SKCP2 FN-D9: 15.71 PULLED:	0.00		0	✓
11	1151 ADHESIVE, NYLON, 400 MIT ORIGINAL QUANTITY...	QZ	1.00	BO	1.00		SKCP2 FN-D11 PULLED:	0.00		0	✓
12	NY-2246 RTV, INSUL, TECH ORIGINAL QUANTITY...	QZ	1.00	BO	1.00		SKCP2 FN-D12 PULLED:	0.00		0	✓
13	8750 CONFORMAL COATING, URETHANE ORIGINAL QUANTITY...	QZ	1.00	BO	1.00		SKCP2 FN-D13 PULLED:	0.00		0	✓

ASSEMBLY # : LAT-DS-01646
 LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 03 03 04
 PRINTED: 03 04 04

... & PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RSVD IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			BIN	
									QUANTITY	LOT	DATE		QUANTITY
14	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCP2 TN 014		0.00				0-2
15	CWR11FH105KDB CAPACITOR ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120204	SKCP2 TN 014	11211 11212 11213 11214 11215 11216 11217 11218 11219 11220 11221 11222 11223 11224 11225 11226 11227 11228 11229 11230 11231 11232 11233 11234 11235 11236 11237 11238 11239 11240 11241 11242 11243 11244 11245 11246 11247 11248 11249 11250 11251 11252 11253 11254 11255 11256 11257 11258 11259 11260 11261 11262 11263 11264 11265 11266 11267 11268 11269 11270 11271 11272 11273 11274 11275 11276 11277 11278 11279 11280 11281 11282 11283 11284 11285 11286 11287 11288 11289 11290 11291 11292 11293 11294 11295 11296 11297 11298 11299 11300 11301 11302 11303 11304 11305 11306 11307 11308 11309 11310 11311 11312 11313 11314 11315 11316 11317 11318 11319 11320 11321 11322 11323 11324 11325 11326 11327 11328 11329 11330 11331 11332 11333 11334 11335 11336 11337 11338 11339 11340 11341 11342 11343 11344 11345 11346 11347 11348 11349 11350 11351 11352 11353 11354 11355 11356 11357 11358 11359 11360 11361 11362 11363 11364 11365 11366 11367 11368 11369 11370 11371 11372 11373 11374 11375 11376 11377 11378 11379 11380 11381 11382 11383 11384 11385 11386 11387 11388 11389 11390 11391 11392 11393 11394 11395 11396 11397 11398 11399 11400 11401 11402 11403 11404 11405 11406 11407 11408 11409 11410 11411 11412 11413 11414 11415 11416 11417 11418 11419 11420 11421 11422 11423 11424 11425 11426 11427 11428 11429 11430 11431 11432 11433 11434 11435 11436 11437 11438 11439 11440 11441 11442 11443 11444 11445 11446 11447 11448 11449 11450 11451 11452 11453 11454 11455 11456 11457 11458 11459 11460 11461 11462 11463 11464 11465 11466 11467 11468 11469 11470 11471 11472 11473 11474 11475 11476 11477 11478 11479 11480 11481 11482 11483 11484 11485 11486 11487 11488 11489 11490 11491 11492 11493 11494 11495 11496 11497 11498 11499 11500 11501 11502 11503 11504 11505 11506 11507 11508 11509 11510 11511 11512 11513 11514 11515 11516 11517 11518 11519 11520 11521 11522 11523 11524 11525 11526 11527 11528 11529 11530 11531 11532 11533 11534 11535 11536 11537 11538 11539 11540 11541 11542 11543 11544 11545 11546 11547 11548 11549 11550 11551 11552 11553 11554 11555 11556 11557 11558 11559 11560 11561 11562 11563 11564 11565 11566 11567 11568 11569 11570 11571 11572 11573 11574 11575 11576 11577 11578 11579 11580 11581 11582 11583 11584 11585 11586 11587 11588 11589 11590 11591 11592 11593 11594 11595 11596 11597 11598 11599 11600 11601 11602 11603 11604 11605 11606 11607 11608 11609 11610 11611 11612 11613 11614 11615 11616 11617 11618 11619 11620 11621 11622 11623 11624 11625 11626 11627 11628 11629 11630 11631 11632 11633 11634 11635 11636 11637 11638 11639 11640 11641 11642 11643 11644 11645 11646 11647 11648 11649 11650 11651 11652 11653 11654 11655 11656 11657 11658 11659 11660 11661 11662 11663 11664 11665 11666 11667 11668 11669 11670 11671 11672 11673 11674 11675 11676 11677 11678 11679 11680 11681 11682 11683 11684 11685 11686 11687 11688 11689 11690 11691 11692 11693 11694 11695 11696 11697 11698 11699 11700 11701 11702 11703 11704 11705 11706 11707 11708 11709 11710 11711 11712 11713 11714 11715 11716 11717 11718 11719 11720 11721 11722 11723 11724 11725 11726 11727 11728 11729 11730 11731 11732 11733 11734 11735 11736 11737 11738 11739 11740 11741 11742 11743 11744 11745 11746 11747 11748 11749 11750 11751 11752 11753 11754 11755 11756 11757 11758 11759 11760 11761 11762 11763 11764 11765 11766 11767 11768 11769 11770 11771 11772 11773 11774 11775 11776 11777 11778 11779 11780 11781 11782 11783 11784 11785 11786 11787 11788 11789 11790 11791 11792 11793 11794 11795 11796 11797 11798 11799 11800 11801 11802 11803 11804 11805 11806 11807 11808 11809 11810 11811 11812 11813 11814 11815 11816 11817 11818 11819 11820 11821 11822 11823 11824 11825 11826 11827 11828 11829 11830 11831 11832 11833 11834 11835 11836 11837 11838 11839 11840 11841 11842 11843 11844 11845 11846 11847 11848 11849 11850 11851 11852 11853 11854 11855 11856 11857 11858 11859 11860 11861 11862 11863 11864 11865 11866 11867 11868 11869 11870 11871 11872 11873 11874 11875 11876 11877 11878 11879 11880 11881 11882 11883 11884 11885 11886 11887 11888 11889 11890 11891 11892 11893 11894 11895 11896 11897 11898 11899 11900 11901 11902 11903 11904 11905 11906 11907 11908 11909 11910 11911 11912 11913 11914 11915 11916 11917 11918 11919 11920 11921 11922 11923 11924 11925 11926 11927 11928 11929 11930 11931 11932 11933 11934 11935 11936 11937 11938 11939 11940 11941 11942 11943 11944 11945 11946 11947 11948 11949 11950 11951 11952 11953 11954 11955 11956 11957 11958 11959 11960 11961 11962 11963 11964 11965 11966 11967 11968 11969 11970 11971 11972 11973 11974 11975 11976 11977 11978 11979 11980 11981 11982 11983 11984 11985 11986 11987 11988 11989 11990 11991 11992 11993 11994 11995 11996 11997 11998 11999 12000	04	36.00		36.00	
16	CWR11FH475KDB CAPACITOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	120285	SKCP2 TN 014	120285 C141 C142	2000.00	12-16-04			2
17	CR33BK475KUS CAPACITOR ORIGINAL QUANTITY...	EA	53.00	RSVD	53.00	114799	SKCP2	114799	2235.00	09-23-04			53
								114942	353.00	09-07-04			
18	CWR11FC475KDB CAPACITOR ORIGINAL QUANTITY...	EA	49.00	RSVD	49.00	114800	SKCP2 TN 014	114800 114801 114802 114803 114804 114805 114806 114807 114808 114809 114810 114811 114812 114813 114814 114815 114816 114817 114818 114819 114820 114821 114822 114823 114824 114825 114826 114827 114828 114829 114830 114831 114832 114833 114834 114835 114836 114837 114838 114839 114840 114841 114842 114843 114844 114845 114846 114847 114848 114849 114850 114851 114852 114853 114854 114855 114856 114857 114858 114859 114860 114861 114862 114863 114864 114865 114866 114867 114868 114869 114870 114871 114872 114873 114874 114875 114876 114877 114878 114879 114880 114881 114882 114883 114884 114885 114886 114887 114888 114889 114890 114891 114892 114893 114894 114895 114896 114897 114898 114899 114900 114901 114902 114903 114904 114905 114906 114907 114908 114909 114910 114911 114912 114913 114914 114915 114916 114917 114918 114919 114920 114921 114922 114923 114924 114925 114926 114927 114928 114929 114930 114931 114932 114933 114934 114935 114936 114937 114938 114939 114940 114941 114942 114943 114944 114945 114946 114947 114948 114949 114950 114951 114952 114953 114954 114955 114956 114957 114958 114959 114960 114961 114962 114963 114964 114965 114966 114967 114968 114969 114970 114971 114972 114973 114974 114975 114976 114977 114978 114979 114980 114981 114982 114983 114984 114985 114986 114987 114988 114989 114990 114991 114992 114993 114994 114995 114996 114997 114998 114999 115000	04	49.00		49.00	
19	CR33BK475KUS CAPACITOR ORIGINAL QUANTITY...	EA	249.00	RSVD	249.00	114801	SKCP2 TN 014	114801 C141 thru C149 C147 thru C149	249.00	09-18-04			249
20	12102503K151YHTM CAPACITOR ORIGINAL QUANTITY...	EA	16.00	RSVD	16.00	114802	SKCP2 TN 014	114802 C141 C142 C143 C144 C145 C146 C147 C148 C149 C141 C142 C143 C144 C145 C146 C147 C148 C149	16.00	09-23-04			16
21	MCR-1061-1B1 CONDENSER ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	114803	SKCP2 TN 014	114803 J11 J12 J13 J14 J15 J16 J17	8.00	09-23-04			8
22	MCR-1069-1B1 CONDENSER ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	114804	SKCP2 TN 014	114804 J11 J12 J13 J14 J15 J16 J17	8.00	09-23-04			8
23	5562-8755400XA IC LM1858VH-2.5 NDC ORIGINAL QUANTITY...	EA	3.00	RSVD	3.00	114805	SKCP2 TN 014	114805	3.00	09-23-04			3
24	5562-8755400XA IC LM1858VH-2.5 NDC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114806	SKCP2 TN 014	114806	2.00	09-23-04			2
								114942	282.00	09-27-04			2

WE PULLED: _____ PULLED BY: _____

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS	RECV IN	INVOIC	LOT NUMBER	INVENTORY DETAIL	BIN
			QUANTITY	QUANTITY			QUANTITY	QUANTITY
25	SKD050 FUSE, RAYCHEM/POLYSWICH ORIGINAL QUANTITY...	EA	4.00	RSVD 4.00	114807	SKCP2 FN-142 PULLED:	100.00 09-23-04	42
26	SKD075 IC ORIGINAL QUANTITY...	EA	4.00	RSVD 4.00	114926	SKCP2 FN-142 PULLED:	100.00 09-24-04	4
27	MAX145AEVA IC ORIGINAL QUANTITY...	EA	36.00	RSVD 36.00	120286	SKCP2 FN-142 PULLED:	481.00 12-15-04 204.00 09-23-04	30
28	MAX512LABEE IC ORIGINAL QUANTITY...	EA	2.00	RSVD 2.00	114810	SKCP2 FN-18 PULLED:	47.00 09-23-04	2
29	LAT-DG-01695 IC ORIGINAL QUANTITY...	EA	1.00	BO 1.00		SKCP4 FN-17 PULLED:	0.00	0
30	LAT-DG-03894 IC ORIGINAL QUANTITY...	EA	1.00	BO 1.00		SKCP8 FN-18 PULLED:	0.00	0
31	LAT-TD-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD 4.00	114813	SKCP3 FN-19 PULLED:	62.00 09-23-04	4
32	5962R9568101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD 1.00	114814	SKCP2 FN-20 PULLED:	32.00 09-23-04 DRY-10	1
33	5962R9568101QVC IC ORIGINAL QUANTITY...	EA	5.00	BO 5.00		SKCP3 FN-14 PULLED:	0.00	0
34	LAT-TD-01812 IC ORIGINAL QUANTITY...	EA	8.00	RSVD 8.00	114816	SKCP2 FN-21 PULLED:	162.00 09-23-04	0
35	RT7050PXC00 THICK FILM JUMPER ORIGINAL QUANTITY...	EA	151.00	RSVD 151.00	114817	SKCP2 FN-14 PULLED:	4.00 09-23-04	151
36	M56342M0681B0K RESISTOR,CHIP,100K,1K OH ORIGINAL QUANTITY...	EA	55.00	RSVD 55.00	114818	SKCP2 FN-22 PULLED:	356.00 09-23-04	55

DEFECT RECORD REPORT

ID: 30545

PART NUMBER: LAT DS-01646

WORK ORDER: 112016

SALES ORDER: 112000

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: HARDWARE

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 600

OFF ASSEMBLY: 55

DATE: 4/5/2005

WEEK CODE: 16

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
116	1	692	S408		CONTAMINANTS IN SOLDER	JT0	
116	1	692	S408		CONTAMINANTS IN SOLDER	JT5	
116	1	692	S413		BRIDGING	JT3	

*1337
4/7/05*

4/7/05

DEFECT RECORD REPORT

ID: 29539
 PART NUMBER: LAT-DS-01646
 WORK ORDER: 112016
 SALES ORDER: F17200
 INSPECTION TYPE: 1ST SOLDER INSPECTOR post reflow
 INSPECTION LEVEL: 1
 INSPECTOR: HUBBARD
 QUANTITY: 1 RW QTY: 1
 CUSTOMER: SLAC
 OFE SOLDER: 4163
 OFE ASSEMBLY: 5203
 DATE: 2/22/2005
 WEEK CODE: 9

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
116	2	1829	A341		COPLANARITY / LEAD NOT SEATED PROPE	U49 ✓	PIN 2,14
116	1	1829	S402		INSUFFICIENT SOLDER	U6 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U60sd ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U53 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U57 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U4 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U55 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U59 ✓	
116	2	1829	S402		INSUFFICIENT SOLDER	G335 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U61 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U54 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U3 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U12 ✓	PIN 5
116	1	1829	S402		INSUFFICIENT SOLDER	U14 ✓	PIN 5
116	1	1829	S402		INSUFFICIENT SOLDER	U5 ✓	
116	1	1829	S402		INSUFFICIENT SOLDER	U55 ✓	

135
 136
 137
 138
 139
 140
 141
 142
 143
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 145
 146
 147
 148
 149
 150

0.13
 4/14/05



General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA P/N: LAT-DS-016016 GAT 7767 LT 116

W.O. #: 112016

CC Tech: HU (Initial / Employee #)

Date: 7-16-05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

Lot Number: AK5DBX066A Expiration Date: 12-15-05

MIX RATIOS: 185750A 100 5750B

AIR CURE: 2 hr 7:30 pm - 9:30 pm 7/14/05

OVEN CURE: 2 hr 7:20 am - 9:20 am 7/15/05

WESTEK

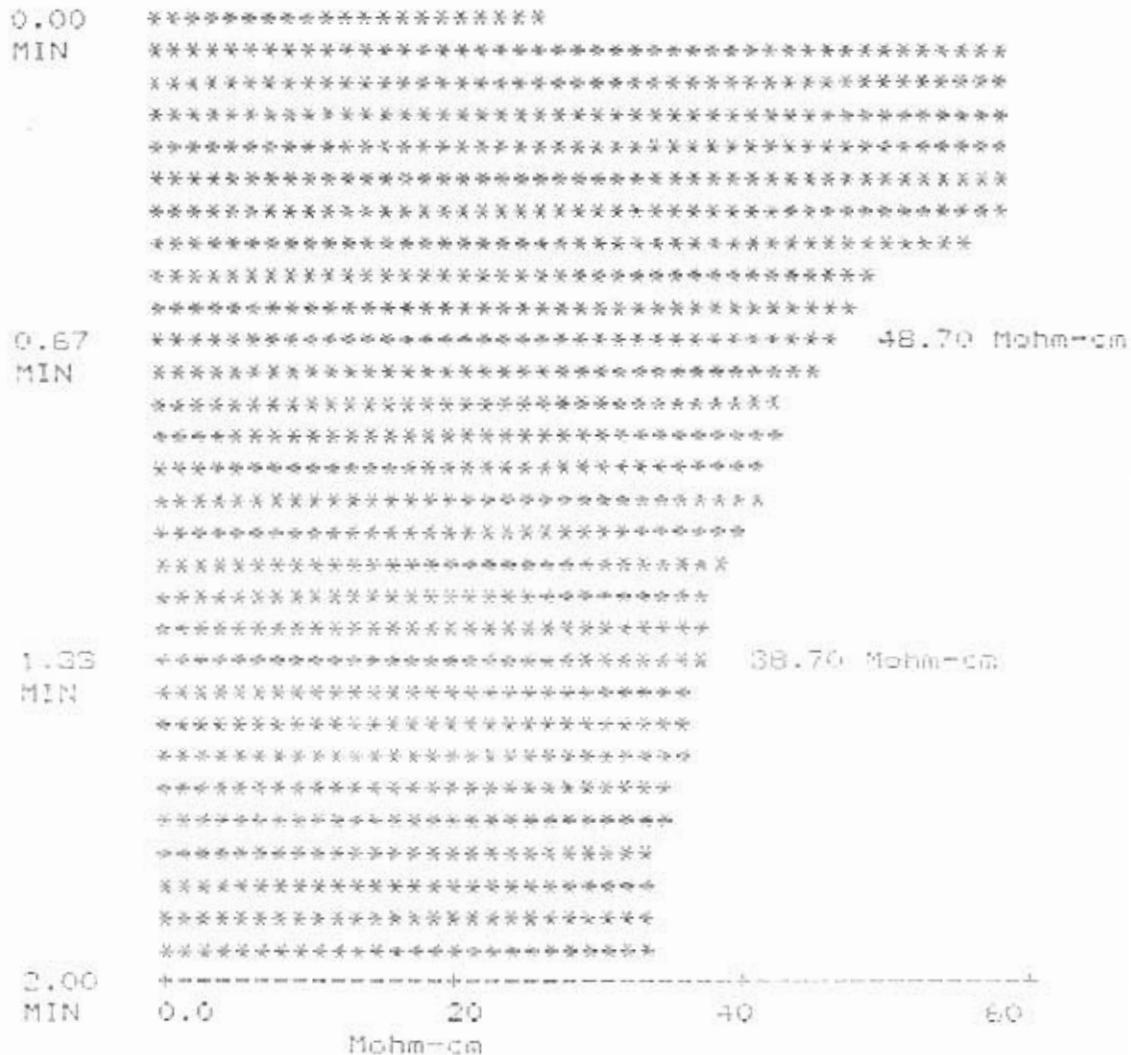
Operator :DON
07/03/05
08:50:57

Test Type : Auto
Test name : 'Manual Test'
Board # GT116 has P A S S E D

TEST TIME : 2.00 min
TEST VOLUME : 8820 ml
BOARD AREA : 220.5 sq in
COMP. AREA : 0.00 sq in
VOL/SQ. IN : 40 ml/sq. in
P/F LIMIT : 10.07 ug/sq in
: 7.70 Mohm-cm

Initial Resistivity : 49.47 Mohm-cm
NaCl Equivalence (Final) : 1.31 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 34.70 Mohm-cm

GTC TEST DEFECT RECORD REPORT

TEST ID: 24820

PART NUMBER: LAT-DS-01646 TEST TYPE: SPEA
WO: 112016 WC: 4-MIXED TEST LEVEL: 1ST
SO: F17200 TEST TECH: STEFFEN BODE DATE: 5/11/2005
TEST QTY: 1 CUSTOMER: SLAC
FAIL QTY: 1 PROGRAM NAME: LAT-DS-01646

SERIAL #	QTY	DEFECT CODE	DEFECT DESCRIPTION	REF DES
GT116	1	T422	SOLDER BRIDGING	U62
TEST INFO			<i>Removed Solder Bridge</i>	
GT116	1	T302	MISSING COMPONENT	R296
TEST INFO			<i>Placed R296</i>	

REWORKED BY: *m-1337* INSPECTED BY: *(Signature)*
5/12/05 *5/12/05*

REWORKED BY: *m-1337* INSPECTED BY: *(Signature)*
5/12/05 *5/12/05*

REWORK NOTES (OPTIONAL):

RETEST NOTES (OPTIONAL):

RETESTED BY: *M. Jhu* RETEST DATE: P F
5/12/05 *X*

REWORK TRAVELER

SO NO: F17200	PART NO: LAT-DS-01646	SLAC	REV: 57
ASSEMBLY NAME: CCA, SLAC-GLAST TEM		SLAC SOURCE INSP. P. LUJAN	
			QTY: 1

APPROVAL							
G. POZZI <i>[Signature]</i> 6-27-05		G. HEFFKIN <i>[Signature]</i> 4/27/05		J. COOMAN <i>[Signature]</i> 6/27/05		M. MORA <i>[Signature]</i> 6-27-05	
PREPARED BY	DATE	ENG MGR	DATE	PROD MGR	DATE	QA MGR	DATE








STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: ___ GT-116 GLAST-1767	GP		
2	ID AND DAMAGE: JT5 CONNECTOR HAS INTERNAL SHORT. REFERENCE LAT NCR REPORT # 00526 ON 6-15-05 (SEE ATTACHED DOCUMENT)	GP		
3	ASSEMBLY: REMOVE HARDWARE FROM JT5 CONNECTOR	<i>[Signature]</i> BHP	06/30/05	
4	ASSEMBLY: MASK BOTTOM OF BOARD AROUND THE PINS OF JT5 CONNECTOR USING PEELABLE SOLDER MASK, TECHFORM TC-527 OR WATER SOLUABLE TECHFORM TC-564-1.	<i>[Signature]</i> BHP	06/30/05	
5	ASSEMBLY: SET UP THE FLOW WELL USING ORIFACE # FW-16-32.	<i>[Signature]</i> BHP	06/30/05	
6	ASSEMBLY: PRE-HEAT BOARD TO 120 DEFG F FOR 2 HOURS.	<i>[Signature]</i> BHP	06/30/05	
7	ASSEMBLY: WHEN THE BOARD IS REMOVED FROM THE OVEN, IMMEDIATELY PLACE THE BOARD ONTO THE FLOW WELL, CENTER IT OVER THE ORIFACE AND REMOVE THE CONNECTOR	<i>[Signature]</i> BHP	06/30/05	
8	ASSEMBLY: HAND CLEAN THE BOARD ON BOTH SIDES.	<i>[Signature]</i> BHP	06/30/05	
9	INSPECTION: LOOK FOR ANY DAMAGE TO PLATED-THROUGH HOLES ON BOTH SIDES OF THE BOARD.		7/3/05	
10	SOURCE INSPECTION:	LAT 10 C4	6/30/05	
11	ASSEMBLY: INSTALL CONNECTOR FN-D7 MCR-1051, USING FD-D2 F'WASH NAS620C2, FN-D3 SCREWS NAS1352N02-8 AND FN-D4 NUTS NAS671C2.	<i>[Signature]</i> BHP	06/30/05	
12	ASSEMBLY: TORQUE HARDWARE TO 30 IN-OZ (26-33) OVER RUNNING TORQUE.	<i>[Signature]</i> BHP	06/30/05	



REWORK TRAVELER

SO NO: F17200	PART NO: LAT-DS-01646	SLAC	REV: 57
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ASSEMBLY NAME: CCA, SLAC-GLAST TEM	SLAC SOURCE INSP. P. LUJAN	QTY: 1
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STEP	OPERATION	Operator Sign Off.	Date	Time spent
13	SOURCE INSPECTION: VERIFY TORQUE		6/30/05	
14	ASSEMBLY: FLOW WELL CONNECTOR ONTO BOARD. TOUCH UP SOLDER JOINTS IF REQUIRED.	 Byp	06/30/05	
15	ASSEMBLY: AQUEOUS CLEAN BOARD USING RECIPE # 3		6/30/05 KRM 12.0 hr	
16	INSPECTION		7/1/05	
17	ASSEMBLY: STAKE HARDWARE USING HYSOL 0151. PO # <u>31403</u> EXPIRATION DATE <u>01/31/07</u> MIX RATIO PART A <u>3.1 gr</u> , PART B <u>1.0 gr</u>	 Byp	07/01/05	
18	ASSEMBLY: CURE ADHESIVE AT 120 DEG F FOR 2 HOURS START TIME <u>8:45 AM</u> STOP TIME <u>10:45 AM</u>	 Byp	07/01/05	
19	INSPECTION		7/1/05	
20	SOURCE INSPECTION:		7/1/05	

ASSEMBLY - BTO & TAG OLD connector
 done to submittal
 7/1/05



Pozzi, Gregory

From: Hefkin, Gary
Sent: Thursday, June 23, 2005 7:06 AM
To: Pozzi, Gregory (gregory.pozzi@gt-corp.com)
Cc: Ken Bergtholdt
Subject: FW: GLAST Nonconformance report # 00536

From: Cullinan, Joseph [mailto:cullinan@slac.stanford.edu]
Sent: Wednesday, June 22, 2005 6:29 PM
To: Lujan, Patricio C; Hefkin, Gary
Cc: Haller, Gunther
Subject: FW: GLAST Nonconformance report # 00536

NCR #536 for JT5 connector R&R on TEM CCA GLAT 1767 (GT116).

Joe

From: remedy@remedyp.slac.stanford.edu [mailto:remedy@remedyp.slac.stanford.edu]
Sent: Tuesday, June 21, 2005 2:04 PM
To: Burlingham, Kelly; Marsh, Darren S.; Khan, Kishwer; Bartholomew, Doug; Liew, Y.C.; Marshall, John W.; Rodriguez, Esther; Gobin, Richard Lloyd; Jimenez, Bill; Cullinan, Joseph
Cc: Graham, Diane
Subject: GLAST Nonconformance report # 00536

LAT Quality Assurance

Performance & Safety Assurance LAT NCR Report

The following Nonconformance Report # 00536 was submitted on 06/20/05 11:05:59

Entered by Sapozhnikov, Leonid - leosap@slac.stanford.edu

Found by: Incoming Inspection/Test	Type of Nonconformance: Major
Discrepancy Level: Flight Hardware	Sub-System: Electronics (FLEC)
Item Description: GLAT1767 (GT116) on connector JT5 pins 29 and 30 are crossed	Location: Bldg 33, room 103
Supplier: Cristek	Serial #:
Drawing/Rev #: LAT-TD-03875	Lot/Heat #:
	Serial #: GLAT1767 (GT116)
	Test Procedure/Rev #: LAT-TD-03875

Description of Nonconformance: During EICIT testing (LAT-TD-03875) some tests on JT5 connector failed. This problem was traced crossed pins 29 and 30 on JT5 connector which are internal to Cristek connector MCR-051-1B1

Disposition Area

Defect Code: 050
Electronic/Electrical

Disposition: Rework

*(Valid dispositions: Rework, Repair, Use-as-Is, Reclassify,
Return to Vendor, Scrap, or Documentation Change)*

Disposition Instructions: cullinan, 6/21/05) Connector JT5 has been identified as faulty and has been marked with red indicator arrow for removal by General Technology. Return shipment of TEM CCA GLAT 1767 to GT to rework as follows:

1. Remove identified connectors per SLAC NCR #524 (forward electronic copy to GT) following General Technology standard rework procedure. Note: Connector will undergo DPA. Carefully remove connector to prevent connector damage. OK if connector leads have to be clipped to facilitate removal from board. Identify connector with TEM CCA S/N and SLAC NCR # and package to prevent damage for return shipment to SLAC.

2. SLAC source QE (Pat Lujan) inspect boards after connector removal to verify no damage to board.

3. Install new connectors per standard assembly process.

4. SLAC source QE inspect replaced connectors

5. Return reworked CCA and removed connector to SLAC for testing.

6. Rework needs to be documented on GT rework traveller.

7. Findings to this NCR.

8. Root Cause: Faulty JT5 connector

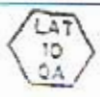
9. Action taken to Preclude Recurrence of Discrepancy:

REWORK TRAVELER

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	<i>4-18-05</i>	G. HEFKIN	<i>4-18-05</i>	K. BERGTHOLDT	<i>4/11/05</i>	P. LUJAN	<i>4/11/05</i>
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	SLAC SOURCE	DATE
		<i>SVP</i>		<i>Ent</i>			<i>4/19/05</i>

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT- <u>116</u> GLAT-_____			
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>m 1337</i>	<i>4/24/05</i>	<i>1:00</i>
3	AQUEOUS CLEAN USING RECIPE #3	<i>7/17/05 m 1337</i>	<i>4/25/05</i>	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	<i>m 1337</i>	<i>4/25/05</i>	<i>.5</i>
5	SOURCE INSPECTION		<i>6/6/05</i>	

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

PN: LAT-DS-02588
CABLE, CONN, TEM

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15358

*SERIAL NUMBER LISTING:-----

APPROVAL: *[Signature]*
PROD *[Signature]* 2/7/05
QA: *[Signature]* 2.9.05

N/A

*WORKMANSHIP:-----

ANSI-Z-39-18 CLASS 3, OTHER;
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE ABOVE)

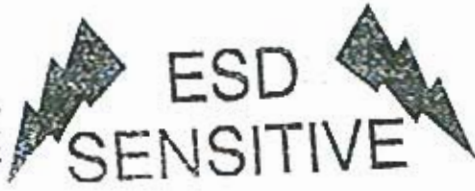
LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV DATE

(w/ohdr Rev 05.19.04 glh)

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



100 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000



***** CONFIGURATION DOCUMENTS *****
 ASSY & PL: DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
 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

[Signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

PNS LAP-DS-02588
ASSY, CABLE, CONN. TEM

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

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



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

* WIRE, CRIMP PINS, AND CONNECTOR.

DATE	QTY	REMARKS	STATUS
2/1/05	19		

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER: TRAVELLER - NEW

1. P/N: LAT-26-02588
ASSEMBLY: CABLE, CONN. ITEM

WOB 112026
REQ DATE 22-04-05
REL DATE 01-31-05
SOP
PO# 0000048799

CUST #
QTY 10
PROJECT# 117200
CUSE# 15356

PAGE 3

Handwritten notes in a cloud: "step 1-4", "ne 1337", "4/26/05", "move to start p33A", "Jeth".

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



CABLE/HARNESS ASSY AREA
CUT WIRE STRIP WIRE
INSULATE CONTACTS
TIN LEADS

0.0000 0.0100 0.0000

Cat

 * CRIMP TEST SETUP - GTC-2081.
 CUT 6 PIECES OF WIRE 8 6" TO 9" LONG, FOR PULL TESTS.
 USE 1 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.
 * STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...
 USE SCHMIDT PNEUMATIC WIRE STRIPPER SET UP WITH
 24 AWG STRIP BLADES, A STRIP LENGTH OF 3/16"
 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: atlas DATE: 2/19/05 STATUS Pass
 (Evanston 1970)
 * ASSEMBLY ACTIVITY...
 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER
 2) STRIP THE INSULATION LEAVING THE SLUG.
 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
 * CUT 6 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM # 89
 * CUT 6 PIECES TO 1" (1.000") LONG. USE PROGRAM # 90
 4) STRIP SECOND END USING THERMAL TWEEZERS.
 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.
 * 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: atlas DATE: 2/19/05 STATUS Pass

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



DATE	QTY	REMARKS	STA
2/19/05	4	3 7/8 (39) & 1 1/8 (39) @ 4 each	DM1970
3.10.05	8	1 1/8 (353) 1" (200) 1 5/16 (175)	H6. #1941
3.11.05	8	1 1/8 strips	H6. #1941

①②③④ - performed using 3/16" (19)
 GTC-A-463
 K42 - mm.
 3-11-05 8 5/16 strips H6 #1941
 3-11-05 crimps 1 5/16 H6 #1941
 3-10-05 MV 1942 1" strip
 3-12-05 turning H6 #1941 1 5/16
 3-14-05 crimp/tin 1" (46) H6 #1941
 3-14-05 crimp/tin 1 1/8 (96) H6 #1941
 3-14-05 crimp/tin 1 1/8 (235) H6 #1941
 3-14-05 crimp/tin (126) 1" H6 #1941

* pre-Asst crimp test 2.28.05 Pass H6. #1941
 pre-Asst crimp test 3.10.05 Pass H6. #1941
 " 3.20.05 Pass H6. #1941
 " 3.30.05 Pass H6. #1941
 no crimping on 3.4.05
 pre-Asst crimp test 3.5.05 Pass H6. #1941
 " 3.7.05 Pass H6. #1941
 pre-Asst crimp test 3.14.05 Pass H6. #1941
 post-Asst crimp test 3.21.05 Pass H6. #1941

See page 3A - continued
Jeth

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

Y/PNS LAT-DS-03588
ASSY, CABLS, CONN, TEM

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

CUST PR
CITY
PROJECT#
CUST#

PAGE 4

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



4 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-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	7/8" 39 pieces	
	4	1/8" 39 pieces	
3/4/05		(Redone)	



5 220 00 CABLE/HARNESS ASSY: ASSEA 0.0000 0.0000 0.0000
INSERT CRIMP CONTACTS TO CONNECTOR

- INSERT TERMINATED WIRES TO CONNECTOR.
- ...INSERT LONGER WIRES (1-^{51/6}) INTO HOLE NUMBERS 1 THRU 20
- ...INSERT SHORT WIRES (1-^{1/8}) INTO HOLE NUMBERS 60 THRU 78.
- ...PRESSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

strips, crimps & tinning 3/4/05
1/8" wires into 21 through 59
 3-22-05

DATE	QTY	REMARKS	STATUS
2/17/05	4		
3-15-05	2		
3-21-05	1		

3-21-05 3 completed H.6 #14
 H.6. #1441
 H.6. #1441



6 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-3 ASSY-78

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

DRR#(S):

ROUTE FOR NO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01645.

DATE	QTY	REMARKS	STATUS
2/17/05	4	AMP206504-1 conn inserts. step 5.	
3-15-05	2	AMP206504-1 conn, check inserts	
3/21-05	1		
3/22/05	3	conn	

WORK ORDER : 112026

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02588
QUANTITY : 19
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	REQUIRED QUANTITY	CURR STATUS	RESV IN	LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
									QUANTITY	LOT DATE	BIN
1	206504-1 AMPLIMITE ORIGINAL QUANTITY...	EA	1.00	RSVD	19.00	114794	SKCF2 FN-1	114794	22.00	09-23-04	
The following parts have been defined as alternates for 206504-1: LIS 1.1 311P407-5P-B-15 1 PER Partial quantity replacements are allowed.											
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	102.00	RSVD	1938.00	115299	SKCF2 FN-3	115299	35994.00	01-01-04	
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	84.00	RSVD	1596.00	114796	SKCF2 FN-2	114796	1997.00	09-23-04	IN ASSY
The following parts have been defined as alternates for 204370-8: LIS 3.1 G38P1 1 PER Partial quantity replacements are allowed.											
							FN-2	115041	972.00	07-04	F17200

19

1938

1596

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 MARMON / 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-830)	RHODA MARMON 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON 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):			

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 / 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 930)	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 MPE 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 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):			

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-)	STINA MARSHALL
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		1102/12026
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 <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):			

8:45 a.m.

CRIMP TENSILE STRENGTH Lot-15-02588

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 #):

M72570 / 2-01 (GTC 4830)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #):

M72570 / 2-09 (GTC 4831)

WORK ORDER NO.

SELECTOR VALUE:

3

117026

TEST EQUIP # (Last CAL date):

Alphatron MPF 700A (6/30/04) 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

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-02589
MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE-PROD	POST-PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 127941	TEST DATE
CONTACT PN:	204370-8	33.05
WIRE PN:	M22799 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1.830)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 2-01 (GTC 1.831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alderton MPF 2001 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):

9.501.11

CRIMP TENSILE STRENGTH

Lot DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE-PROD	<input type="radio"/> POST-PROD
CRIMP OPERATOR NAME/EMP #:	Harvie Gray #1941	TEST DATE
CONTACT PN:	204370-8	3.605
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1102)	Harvie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 931)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Adairon MPF 20A (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	13.2	13.4
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	<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
	<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
	<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

8:50 A.M.

CRIMP TENSILE STRENGTH Cat. 05-02588

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:

204370-8

3.7.05

WIRE PN:

M22759 / 11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-d (GTC# 830)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-09 (GTC# 831)

WORK ORDER NO.

SELECTOR VALUE:

3

117026

TEST EQUIP # (Last CAL date):

Alphatron MPF700A (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:

13.0

12.8

13.0

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):

CRIMP TENSILE STRENGTH

Lot 15-02583

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE <input type="radio"/> PROD	<input type="radio"/> POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE
CONTACT PN:	204370-8	3/4/05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22759 / 2-01 (GTC # 102)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22759 / 7-01 (GTC # 831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	MPT-2004 (6/20/04)	
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)	<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

CAT-DS-02580

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 #856)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Aludator 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	PASS	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 NAT-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-AL11)	Dora
DIE/LOCATOR PN (GTC Tool #):	M22530-2-09 (GTC-)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	6/17/04 ^{DIC} 6/17/05 GR 952	
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):			

PARTS ISSUED TO WG 112016

WO. LOTS
25-05 PAGE 1

PART#	DESC.	QTY	FROM LOT#	FROM LOT
1210B563K251YHTM	CAPACITOR	16.00	114802	200435016
5962-8759406XA	IC, LM1858VH-2.5, NSC	3.00	114805	T85343F019
5962R9568101VXC	IC	1.00	114814	F25TDADA
5962R985203QYC	IC	5.00	123441	D/C 0408
5962R9865103QYC	IC	4.00	120289	D/C 0407
CDR31BX472PK05	CAPACITOR	249.00	114801	LOT 0422-DN
CDR33BX473AK05	CAPACITOR	53.00	114799	LOT 0419B
CWR09FC476KD0	CAPACITOR	49.00	114800	LOT 0417
CWR11FH105KD3	CAPACITOR	36.00	120284	D/C 0426 LOT 0425AB52
CWR11FH475KD0	CAPACITOR	2.00	120285	D/C 0430
HC705CPX000	THICK FILM JUMPER	151.00	114817	LOT TR107039
JANTXV1M1530R-1	DIODE	2.00	114806	LOT V-5869
LAT-DS-0102G	PLATE, CONN, TEM	1.00	114784	NO LOT
LAT-DS-0103I	PIN, CONNECTOR, TEM	2.00	114785	CONN PLATE
LAT-DS-01649	PWB, TEM	1.00	120299	NO LOT
LAT-DS-02588	ASSY, CABLE, CONN, TEM	1.00	131645	CONN PIN
LAT-DS-04582	STANDOFF	2.00	114787	D/C 4904, 3441
LAT-TD-01812	IC	8.00	114816	NO LOT
LAT-TD-01814	IC	4.00	114813	FEMALE STANDOFF 4-40
M55342K0601000R	RESISTOR, CHIP, 100W, 100 OH	60.00	114822	T31D
M55342K0601000R	RESISTOR, CHIP, 100W, 100K	90.00	114823	T31D
M55342K0601000R	RESISTOR, CHIP, 100W, 10K O	23.00	114830	LOT TR107035
M55342K0601000R	RESISTOR, CHIP, 100W, 1K OH	95.00	114818	LOT TR107045
M55342K0601000R	RESISTOR, CHIP, 100W, 1M OHM	2.00	114819	LOT TR107038 (250)
M55342K0602000R	RESISTOR	205.00	114821	LOT TR108589 (457)
M55342K0602201R	RESISTOR	4.00	114827	LOT TR107040
M55342K0604900R	RESISTOR, CHIP, 100W, 49.9	2.00	114829	LOT TR107041
M55342K0605011R	RESISTOR	2.00	114820	LOT 107036
M55342K0901000R	RESISTOR	2.00	114828	LOT 112409
M55342K0901000R	RESISTOR	2.00	114828	LOT TR110001
MAX145AN3DA	IC	36.00	120286	LOT TR110002

MAX5121AEEF	IC		2.00	114810	LOT 0134
MCR-1051-1P1	CONNECTOR		9.00	114803	D.C 0404
MCR-1069-1P1	CONNECTOR		4.00	114804	D.C 0415
MS24671-2	SCREW		4.00	114790	76436
MS51957-13	SCREW, FNHD, 4-40 X .25		2.00	93945	
NAS1352N02-8	SCREW		26.00	114786	70494-2
NAS620-C2	FLATWASHER		52.00	114789	M062S04R
NAS671-C2	NUT		26.00	114791	50254
S311P18-09S7R6	THERMISTOR, 30K		2.00	114829	D.C 03G1188
SMD050	FUSE, RAYCHEM/POLYSWICH		4.00	114807	D.C 0348
SMD075	IC		4.00	114926	D.C 0332
XC18V04-VQ441	IC, XILLINX		4.00	87507	

PARTS ISSUED TO WO 112026

WO.LOTS
25-05 PAGE 2

PART#	DESC	QTY	FROM LOT	FROM LOT
204370-8	PIN, CRIMP	1596.00	114796	LRMB7754
206504 1	AMPLIMITL	19.00	114794	00402
M22759/11 24-9	WIRE, 24AWG, WHITE	1938.00	115299	46190

NOTES

WO. LOTS:
25-05

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PARTS ISSUED TO WO 112043

07

PART#	DESC.	QTY.	FROM, LOT#	FROM LOT
204370-8	PIN, CRIMP	380.00	114796	LRM87754
204370-8	PIN, CRIMP	500.00	129543	
LAT-DS-02830	ASSY, CABLE, TPS 1/P PWR	19.00	114946	LOT 0414 , 6351
M22759/11-24-2/9	WIRE, 24AWG RED/WHIT	5700.00	115300	

PARTS ISSUED TO WO 112044

WG.LOTS
25-05

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PART#	DISC	QTY	FROM LOT#	FROM LOT
G0891	CONTACT (206071-1)	972.00	115021	LOT 04153
G0891	CONTACT (206071-1)	510.00	125762	
G0891	CONTACT (206071-1)	400.00	128557	D/C 04153 LOT#
LEM91466	ASSY, CABLE, TPS O/P PWR	18.00	114947	LOT D/C 0413
LAB-DS-02831	WIRE, 24AWG, WHITE	16340.00	115299	46190

M2259/11-24-6

PARTS ISSUED TO WO 112074

WO. LOT# 24-05 PAGE 5

PART#	DESC.	QTY.	FROM LOT#	FROM LOT
1210B564K251YHTM	CAPACITOR	12.00	114802	200445016
32763-31	INDUCTOR	2.00	114965	SLAC LOT#0412
32786-31	INDUCTOR	12.00	114964	SLAC LOT#0413
5962L8771002VXA	IC	2.00	114962	SLAC LOT#H3C0409A
5962R9582602VXC	IC	6.00	120302	328ABBS, 239ABBV
5962R9663501VXC	IC	5.00	120301	D/C351
ARF461	IC FILTER	1.00	114959	D/C 0439
CDR04BX104AKUS	CAP, .1uF, 50V	32.00	114935	SLAC LOT#0404
CDR31BP100BKUS	CAPACITOR	14.00	114938	SLAC LOT#0405RG
CDR31BP101BKUS	CAPACITOR	4.00	114944	SLAC LOT#0349HM
CDR31BP470BKUS	CAPACITOR	4.00	115090	SLAC LOT#0420FN
CDR31EX102BKUS	CAPACITOR	2.00	114936	SLAC LOT#0420RL
CDR32BX103BKUS	CAP 0.01uF 100V 10%	22.00	114937	SLAC LOT#0413FM
CDR33BX223BKUS	CAPACITOR	4.00	114940	SLAC LOT#0405VC
CDR33BX473AKUS	CAPACITOR	7.00	114799	LOT 0419H
CWR09FC476KDB	CAPACITOR	89.00	114943	SLAC LOT#0418
CWR09HC106KCB	CAPACITOR	4.00	114939	SLAC LOT#0409
D55342K07B402ER	RES, 402K, 1/4W, 1%	1.00	115001	SLAC LOT#112027
D55342K07P511ER	RESISTOR	10.00	115002	SLAC LOT#TR107816
H0705CPX000	THICK FILM JUMPER	15.00	114817	LOT TR107039
IRHNJ597034	TRANSISTOR	3.00	114966	SLAC LOT#D321662
JANTXV1M410GUR-1	DIODE	4.00	114953	SLAC LOT#V-6966
JANTXV1M41530R-1	DIODE	8.00	114949	SLAC LOT#V-5869
JANTXV1M44890S	DIODE	1.00	125757	
JANTXV1M44940S	DIODE	1.00	114955	SLAC LOT#2301190
JANTXV1M58060S	DIODE 3N5806US	8.00	114950	SLAC LOT#H5030088A
JANTXV1N64850S	DIODE	1.00	128556	D/C 0308
JANTXV1N64870S	DIODE	6.00	114952	D/C 0349 LOT#V-7503
JANTXV2N2222A0B	TRANSISTOR NPN	21.00	120303	SLAC LOT#V-7528
JANTXV2N2907A0B	TRANSISTOR	2.00	115007	D/C0418
JANTXV2N3439	TRANSISTOR	4.00	115006	SLAC D/C#0330
LAT-DS-02389	PWB, GLASS, TFS	1.00	120305	LOT 0243
LAT-DS-02465	HEAT SINK, TFS	4.00	115014	D/C 3304, 4804
LAT-DS-02830-01	ASSY, CABLE, TFS 1/T 1WR	1.00	132296	SLAC LOT# N/A

PARTS ISSUED TO WO 112074

WO LOTS: 25-05 PAGE 6

PART#	DESC	QTY	FROM LOT#	FROM LOT
M55342K06B1F00K	RESISTOR, CHIP, 100W, 1% OHM	6.00	114819	LOT TR107041
M55342K06B20E0R	RESISTOR, 20Kohms	8.00	114992	SLAC LOT#TR107621
M55342K06B22E1R	RESISTOR	5.00	114994	SLAC LOT#TR107623
M55342K06B2E74R	RESISTOR	3.00	114980	SLAC LOT#TR109920
M55342K06B301DR	RESISTOR	1.00	115000	SLAC LOT#TR112808
M55342K06B33E2R	RESISTOR	1.00	114995	SLAC LOT#TR112391
M55342K06B49E9R	RESISTOR, 49.9Kohms	6.00	114996	SLAC LOT#TR107624
M55342K06B4E75R	RESISTOR	2.00	114981	SLAC LOT#TR108586
M55342K06B549DR	RESISTOR	2.00	115003	SLAC LOT#TR111507
M55342K06B5E11R	RESISTOR	2.00	114829	LOT TR110002
M55342K06B5E62R	RESISTOR	1.00	114984	SLAC LOT#TR107829
M55342K06B61E9R	RESISTOR	1.00	114997	SLAC LOT#TR107625
M55342K06B8E25R	RESISTOR	2.00	114985	SLAC LOT#109510
M55342K09B10D0R	RESISTOR	1.00	114986	SLAC LOT#TR109046
M55342K09B10F0R	RESISTOR	4.00	114820	LOT 107042
M55342K09B22D1K	RESISTOR	2.00	114828	LOT 109509
M55342K09B2E00R	RESISTOR	1.00	114993	SLAC LOT#TR107622
M55342K09B4E99R	RES, CHIP, 2.00K, 1%, 72W	1.00	115091	SLAC LOT#TR107617
MAX724E7K	RESISTOR	2.00	114982	SLAC LOT#TR9044
NAS1149CN432R	IC	7.00	114961	LOT D/C 0342PS
NAS1149CN632R	WASHER	4.00	115016	LOT M061404R
NAS1352H04-6	WASHER	19.00	115010	LOT A1205030
NAS1352N06-6	SCREW	4.00	114832	76123
NAS671C4	SCREW	7.00	115011	LOT 77477
NAS671C6	SCREW	4.00	115009	LOT M122600L
RWR89SR200FR	NUT, HEX, SS, PASS, 4-40THRD	19.00	122955	
RXF065	NUT, #6, SM, DAT	1.00	114968	LOT D/C 15419237
RXF110	RESISTOR	2.00	114957	LOT D/C 0329
S31P18-0957K6	FUSE	2.00	114958	D/C 0412
SCR10408TXY	DIODE	7.00	115004	LOT D/C 0300021
			114948	SLAC LOT#0404

PART# NOTES	DESC	QTY	FRM. LOT#	FROM LOT
LAT-DS-00554	TEM BOX BASE	1.00	120298	no d/c or lot#
LAT-DS-00555	TEM BOX LID	1.00	120297	NO D/C OR LOT#
LAT-DS-01646	CCA, GLASS, TEM	1.00	131458	
NAS1352N6 3LP4	HARDWARE	26.00	114831	B080504B
NAS1352N6 6	SCREW	29.00	114832	76123
NAS1352N4-B	HARDWARE	1.00	114833	74803

PARTS ISSUED TO WC 111221

WO. LOTS
25-05 PAGE 8

PART#	DESC.	QTY.	FROM LOT#	FROM LOT
LAT-ES-00995	BASE, BOX, TFS	1.00	121225	
LAT-ES-00996	LID, BOX, TEM PS	1.00	121224	
LAT-DS-02388	CCA, GLAST, TFS	1.00	131225	
NAS1352N04-4	SCREW	20.00	115019	LOT D/C 78364
NAS1352N04-6	SCREW	30.00	115012	LOT D/C 76123

NOTES

PARTS ISSUED TO WO 113240

WO. LOTS:
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PART#	DESC.	QTY.	FROM LOT#	FROM LOT
NOTES				

LAP-DET-01487	SCREW, SETHO CAP, 832X.62	40.00	120307	LOT 68402-1-1
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