

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT104 GLAT1831

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# 113227 : S/N (above SN)
 TPS Unit: LAT-DS-01482 WO# 113210 : S/N GT110 GLAT1818
 TPS CCA: LAT-DS-02388 WO# 112063 : S/N GT110 GLAT1780
 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# 113122 : S/N GT121 GLAT1810
 TEM CCA: LAT-DS-01646 WO# 112021 : S/N GT121 GLAT1772
 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.) { }

(n/a)

- ξ (d.1) AS-BUILT Drawing and Parts List Configuration Record

LAT-DS-01643: Rev No. (Dwg/PL - 53)
 LAT-DS-01481: Rev No. (Dwg/PL - 54)
 LAT-DS-01482: Rev No. (Dwg/PL - 55)
 LAT-DS-01646: Rev No. (Drawing - 56)
 LAT-TD-02230: Rev No. (PL - 54)
 LAT-DS-02388: Rev No. (Drawing - 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 - 57)

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

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

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

TR# vs. TEM CCA LAT-DS-01646: N/A
 TR# vs. TPS CCA LAT-DS-02388: N/A

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

(LAT-DS-02388/29620, LAT-DS-01646/29684, 30072, 30103, 30155, 31537
LAT-DS-02830/29577)

(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: Lucinda Martiny

Date: 5-24-05

GTC QA Acceptance: 

Date: 5-24-05

SLAC QAR Acceptance: 

Date: 6-1-05

WORK CELL: 1 BIG RUNNER

CUSTOMER: SLAC

5

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

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

WOB# 113227
REQ DATE 05-02-05
REL. DATE 04-21-05
SUN# P17301
PO# 0000053627

CUST #
QTY 1
PROJECT# P17301
CUST# 15256

PAGE 1

JAB
5-20-05

SERIAL NUMBER
~~GT103 GLAT1835~~
GT104 GLAT1831

APPROVAL
FROM: KAT/5-3-05
C/M/5-3-05

WORKMANSHIP:-----
IPC/EIA-J-STD-001C CLASS 1; WITH 'CS' SPACE SUPPLEMENT
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

gln 02.02.05

LINE DEPT MACH# QTY 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 DWG: DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
EOM PL: LAT-DS-01643 53 NONE
EOM PL: (SAME - ON DWG)
WIRING SK: LAT-PS-C2215/C2174 01 NONE
WIRING SK: (NOT APPLICABLE; WAS SK-282; SKW DELETED QTC DC.1
WIRING SK: (RELEASED PER EC 2479)
ASSY AID: LAT-DS-01643
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

None 1 5-3-05



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KITTING

* PROCESS MATERIAL PER QAR STEP 1.

DATE QTY REMARKS STATUS
5/18/05 1 Limn
200A

SENSITIVE

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PN# LAI-DS-01643
**SY. UNIT-TEM/TFS

WO# 113227
REF DATE 05-06-05
REL DATE 04-21-05
SQ# 217301
POT 0000053627

CUST P#
QTY
PROJECT# 217301
CUST# 13356

PAGE 2

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



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

* PROCESS ASSY PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
5-20-05	1	INSTALL	AP



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

- * PROCESS ASSY PER CAA STEP 4
- ** ALERT SLAC CAR TO WITNESS TORQUE PROCESS...
- * RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

TORQUE TOOL # GTC-A-977
GTC-S 944 CAL DUE DATE. 8.05

DATE	QTY	REMARKS	STATUS
5-20-05	1	Torque	AP
5-20-05	1	WITNESS TORQUE	AP



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

- * PROCESS ASSY PER CAA STEP 5.
 - * RECORD MATERIAL DATA BELOW:
- ADMSV 0151: GTC P# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START 10:30 STOP 12:30

DATE	QTY	REMARKS	STATUS
5-20-05	1		AP

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/TNS LAT-DS-01643
UNIT-TEM/TPS

WC# 112227
REQ DATE 19-06-05
REL DATE 01-21-05
SO# P17301
PO# 0000033627

CUST P#
PROJECT# P17301
CUST# 18356

PAGE 3

LINE DEPT MACH# OPS DESCRIPTION..... M C U R S
SET-UP RUN... LINE-MACH ST-LOT



6 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0 0000
OPE: SLDR-0 ASSY-122

* PROCESS ASSY PER CAA STEP 6

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS.....
5-20-05 1 inspect Hardware, Marking



7 250 00 SOURCE INSPECTION 0.0000 0.0000 0 0000
EXAMINE BOX JOINING
AND EID PACKAGE

* PROCESS ASSY PER CAA STEP 7

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

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

DATE... QTY... REMARKS.....
5-20-05 1 CLATE 1831

STATUS



8 292 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0 0000
OPE: SLDR-0 ASSY-17

* 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.....
5/24/05 1

STATUS

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/P/N# LAT-DS-01643
V. UNIT-TEM/TPS

WOB 111227
REQ DATE 05-06-05
REL DATE 04-21-05
S/N# P17301
PC# 0000053627

CUST P#
QTY 1
PROJECT# P17301
CUST# 15309

LINE DEPT MACHY OP# DESCRIPTION..... SET-UP RUN HOURS



9 299 00 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACKAGING/SHIPPING

* PROCESS ASSEMBLY PER OAA STEP 9.

DATE..... QTY..... REMARKS..... STATUS
5-20-05 1 LAB E2013

***** TRAVELER REVISION HISTORY RECORD *****
CREATED BY: HEPWIN FOR ASSY REV: 23 DATE: 04 26 05
REV BY DATE CHANGE DETAIL
53 GLH 042605 UPDATED FOR UNITS 4 THRU 23.

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

WORK ORDER : 113207

(NEW)

WORK ORDER PICK LIST

PAGE: 4

ASSEMBLY # : LAT-00-01040
NO QUANTITY : 1
WIP LOCATION: W01

BY LINE ITEM

EFFECTIVITY DATE: 05-03-05
RELEASE DATE : 04-21-05
DATE PRINTED : 05-17-05

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS		RESV IN LOC #	INVLDC	LOT NUMBER	INVENTORY DETAIL		
			QTY	STAT				LOC	LOC DATE	BIN
1	LAT-00-01487 BRK SKIND CAP ORIGINAL QUANTITY	EA	40.00	RSVD	40.00	120307	SKCP2 FN 03	40	05-11-07	IN ASSY
1	145 ADHESIVE, HY305 402 R12 ORIGINAL QUANTITY	CC	1.00	SO	1.00		SKCP2 FN 04	0.00		

WORK CELL: 1-DIG RUNNER

CUSTOMER: SLAC

4

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

ASSY/PNS LAT DG 01482
GLAST. PAC. 138

WOM 1130-0
REQ DATED 04-06-05
DEL DATED 04-20-05
COM 2179-01-05
FOR 000048800

CUST PR QTY 1
PROJECT# 117300
CUST# 10300

SERIAL NUMBER *****
GT110 GLAT1818

APPROVAL:***
FROM Kit 5-3-05
BY mm 5-3-05

WORKMANSHIP:-----
IPC/EIA-J-STD-001B 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.
-glt 03-28-04-----

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



1 201 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV PD/PL OUTSTANDING EO'S
ASSY DWG LA-10-01482 03 NONE
REQ P LA-10-01482 (ON DWG)
REQ FROM LA-10-03028 03 NONE
REQ FROM IN/A (HIG LEVEL)
ASSY AID LA-10-01482 - (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			mm



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

* PROCESS MATERIAL PER UAA STEP 2.

DATE	QTY	REMARKS	STATUS
5/1/05	1		mm



ASSY/PK# LAT-DS-01482
Y, GLAST, DAO, TFS

WO# 111210
REQ DATE 08-06-05
REQ DATE 08-26-05
SCH DATE 08-26-05
PO# 0000048800

CUST #
CUST # 10326
PROJECT # 10326
CUST # 10326

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



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

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

STD PO# 32131 EXP. DATE 10-10-5
 LOT #1 (PT A) 32775 (PT B) 32775
 MIX RECORD (PART A WGT) 15g (PART B WGT) 1g

DATE	QTY	REMARKS	STATUS
5-19-05	1	Apply ADHesive	AP



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

- * PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER: G7110 GLAT 1780

DATE	QTY	REMARKS	STATUS
5-19-05	1	INSTALL screws	AP



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

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

TOOL # CR 7-951/2 CAL DUE DATE 8-05
 UTC-E-944 CAL DUE DATE 8-05

DATE	QTY	REMARKS	STATUS
5-19-05	1	Torque 150 IN OZ	AP
5-19-05	1	WITNESS TORQUE	



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

ASSY/PO# LAD-DS-01482
GLAST. DAG. TFS

WOB 113210
REQ DATE 05-06-05
REL DATE 04-20-05
SOP 1:1000
PO# 0000048800

CUST #
CITY
PROJECT#
COST#
1011100
1011100

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



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

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

TOOL = GTC-E-951/2 CAL DUE DATE 8.05
GTC-E-944 CAL DUE DATE 8.05

DATE	QTY	REMARKS	STATUS
5-19-05	1	INSTALL J2	AD



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

- * PROCESS ASSY PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
5-19-05	1		AD



210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL J1 TO L10

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

TOOL = GTC-E-951/2 CAL DUE DATE 8.05
GTC-E-944 CAL DUE DATE 8.05

DATE	QTY	REMARKS	STATUS
5-19-05	1	INSTALL J1	AD

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

APPY/PNS 1AT DS-01482
MAST, DAC, 196

WO# 113210
REQ DATE 05-06-06
REL DATE 04-20-06
SCH P13301
POR 0100048800

CUST PA QTY
PROJECT# 217300
CUST# 10000

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



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

PROCESS ASSY PER CAA STEP 9

RECORD MATERIAL DATA BELOW:

ADSV 0181: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 STOP- 1:30

DATE... QTY... REMARKS... STATUS
5-19-05 1 AD



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

PROCESS ASSY PER CAA STEP 10

RECORD MATERIAL DATA BELOW:

ADSV 1181: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 STOP- 1:30

DATE... QTY... REMARKS... STATUS
5-19-05 1 AD



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

PROCESS ASSY PER CAA STEP 11

RECORD MATERIAL DATA BELOW:

ADSV 0181: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 STOP- 1:30

DATE... QTY... REMARKS... STATUS
5-19-05 1 AD

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

PROJ/P#: LAT-DS-01482
GLAST. DAO, TPR

WO# 113315
REQ DATE 05-06-05
REL DATE 04-20-05
CO# 217300
PO# 0000048800

CUST #
CITY 1
PROJECT# 217300
CUST# 19384

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



12 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
STAKE JI HARDWARE

* PROCESS ASSY PER CAA STEP 12.

* RECORD MATERIAL DATA BELOW:

ADHSV 0161, GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE/TIME START- 11:30 STOP- 1:30

DATE... QTY... REMARKS..... STATUS
5-19-05 1 AP



13 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
MARKING (SN LABEL)

* PROCESS ASSY PER CAA STEP 13.

DATE... QTY... REMARKS..... STATUS
5-19-05 1 AP



14 220 00 QUALITY ASSURANCE AREA 0.0000 0 0000 0.0000
CPE: SLDG-C ASSY-251

* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

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



15 220 00 SOURCE INSPECTION 0.0000 0 0000 0.0000
EXAMINE ASSY PRE-CLOSE

* PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS..... STATUS
5/19/05 1 GLAT 15K AP

WORK CELL: 1-B13 RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

WBY/PNS LAT-DS-01483
Y, GLAST, BAO, TFS

WO# 113210
MFG DATE 05-08-05
MFG DATE 04-20-05
WCS #17100
WCS 0000046800

CUST #
PROJECT #
CUST #
CUST #

LINE DEPT MACH# OP# DESCRIPTION..... RT# OP RUN... HOURS 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 15

DATE... QTY... REMARKS... STATUS
5-19-05 1 INSTALL LID AP



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 TOOLS USED, AND CAL DUE DATE, BELOW

TOOL # GTC-15951 CAL DUE DATE 8.5
GTC-E-844 CAL DUE DATE 8.05

DATE... QTY... REMARKS... STATUS
5-19-05 1 _____ AP

5-19-05 1 WITNESS TORQUE AP



18 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-0 ASSY-84

* PROCESS ASSY PER CAA STEP 18

RECORD DEFECT REPORT NO IF APPLICABLE: _____

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

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

PNY/FNY LAT-DS-01482
GLAST, DAC, TFS

WOP 119210
REQ DATE 05-06-05
REL DATE 04-20-05
SQ# P17300
PO# 0100048800

CUST ID#
QTY 1
PROJ QTY P17300
CUST# 19256

LINE DEPT MACH OPR DESCRIPTION HOURS
SET-UP RUN LINE MACH ST-LOC



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

PROCESS ASSY PER CAA STEP 19

RECORD MATERIAL DATA BELOW:

ACHSV 0191 GTC PO# 31403 EXPIRATION DATE 1-31-07

CURE DATE/TIME: START 4:30 STOP 6:30

DATE	QTY	REMARKS	STATUS
5-19-05	1		AP



20 290 00 QUALITY ASSURANCE AREA
OPR: SLDR-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
5-20-05	1	inspect Handwork	GTC 10 04



21 280 00 SOURCE INSPECTION
CUSTOMER SOURCE INST 0.0000 0.0000 0.0000

PROCESS ASSY PER CAA STEP 21

RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE	QTY	REMARKS	STATUS
5-20-05	1	GLAT 1818	LAT 10 04

TRAVELER REVISION HISTORY RECORD

CREATED BY: [blank] FOR ASSY REV: [blank] DATED: 042005

REV	BY	DATE	CHANGE DETAIL
01	GLH	042005	RELEASED AT REV 05 AND CAA AT REV 1

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

ASSEMBLY # : LAT-DE-01482
QUANTITY : 1
KIT LOCATION: W02

BY LINE ITEM

RESPECTIVITY DATE : 05-03-08
DECLASS DATE : 04-03-08
CLASS PRINTED : 04-03-08

PULLED

PULLED BY

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #	INVOIC	LOT NUMBER	INVENTORY DETAIL			
								QUANTITY	LOT DATE	SINLOC	SIN QUANTITY
1	LAT-DE-00995 BASE BOX 128 ORIGINAL QUANTITY	EA	1.00	RSVD	1.00 121225	SKCP2 FN-1	121225	14.00	04-20-07	SLAC	
2	LAT-DE-01094 BASE BOX 128 ORIGINAL QUANTITY	EA	1.00	RSVD	1.00 121224	SKCP2 FN-2	121224	14.00	03-20-07	SLAC	
3	LAT-DE-02388 BASE BOX 128 ORIGINAL QUANTITY	EA	1.00	BO	1.00	SKCP2 FN-3		0.00			
4	MS1152N04-6 KIT ORIGINAL QUANTITY	EA	30.00	RSVD	30.00 115012	SKCP2 FN-4	115012 (WAS FN-4) EA PULLED	30.00	05-27-04	LOT 115	
						FN-4	12825 (WAS FN-4) EA PULLED	100.00	04-13-05	IN ASSY	
5	MS12004 WAS FN-5 ORIGINAL QUANTITY	EA	32.00	BO	32.00	SKCP2 FN-5		0.00			
6	MS1157N04-4 KIT ORIGINAL QUANTITY	EA	20.00	RSVD	20.00 115019	SKCP2 FN-6	115019 (WAS FN-6) 20 EA PULLED	20.00	05-27-04	PI7300	
						FN-6	115009 (WAS FN-6) 22 EA PULLED	64.00	10-16-04	IN ASSY	
7	MS1157N04-4 ADHESIVE WYSO-402 KIT ORIGINAL QUANTITY	EA	1.00	BO	1.00	SKCP2 FN-7		0.00			
						FN-7	(WAS FN-7) PULLED				
8	CV 2046 KIT WYSO-402 ORIGINAL QUANTITY	EA	1.00	BO	1.00	SKCP2 FN-8		0.00			
						FN-8	(WAS FN-8) PULLED				
9	MS1157N04-4 KIT WYSO-402 ORIGINAL QUANTITY	EA	5.00	BO	5.00	SKCP2 FN-9		0.00			
						FN-9	(WAS FN-9) PULLED				
10	MS1157N04-4 KIT WYSO-402 ORIGINAL QUANTITY	EA	4.00	BO	4.00	SKCP2 FN-10		0.00			
						FN-10	PULLED				
11	MS1157N04-4 KIT WYSO-402 ORIGINAL QUANTITY	EA	0.00	BO	0.00	SKCP2 FN-11		0.00			
						FN-11	(WAS FN-11) PULLED				
12	MS1157N04-4 KIT WYSO-402 ORIGINAL QUANTITY	EA	1.00	BO	1.00	SKCP2 FN-12		0.00			
						FN-12	PULLED				

WORK ORDER : 111210

(NFK)

WORK ORDER PICK LIST

PAGE 1

ASSEMBLY : CAT-DS-01483
NO QUANTITY : 1
WIP LOCATION: R02

BY LINE ITEM

DATE RECEIVED 06-03-06
DATE SHIPPED 06-20-06
DATE INVTY 06-17-06

PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVOIC NUMBER	INVENTORY DETAIL						
				STAT	QUANTITY			QUANTITY	LOT	DATE	SIN	QUANTITY		
13	9713-88-0420 CHECKPOST, M P 440X.15X 21	EA	2.00	BO	2.00		SKCP2 FN-13							
	ORIGINAL QUANTITY		2.00				PULLED							

Handwritten signature: C.E.

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

REV/EN# LAT-05-00366
LAST, TFS

WOM 112063
REQ DATE 02-10-05
REL DATE 12-01-04
JOB #
PC# 0000048800

CUST PA
CITY
PROJECT# 153301
CUST# 153301

PAGE 1

SERIAL NUMBER	APPROVAL
<u>G-T110 (LAT1780)</u>	PROD: <u>KH/2-10-05</u> CAP: <u>2-10-05</u>

WORKMANSHIP:
IPC/EIA-U-STD-001C CLASS 3; WITH 'CS' SPACE SUPPLEMENT
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELLER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.
02/07/05

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



0 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

..... CONFIGURATION DOCUMENTS

DOCUMENT	REV	TO/FL	OUTSTANDING EO'S
SLAC 1780	58	CS	NONE
SLAC 1780			NONE
SLAC 1780			NONE

(RELEASED PER EC 0000)
OWNER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
(REV'D/REP'D BY: CH (DATE) DATE 02.07.05

9AP 4-28-05

DATE	QTY	REMARKS	STATUS
<i>2-10-05</i>			<i>MH</i>



0 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
ALL PARTS

- PROCESS PER CAA STEP 3.
- ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM.
- ALL OTHER PARTS ROUTE TO SECOND ASSY.

DATE	QTY	REMARKS	STATUS
<i>2-10-05</i>	<i>1</i>		<i>MH</i>

2-10-05
MH



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASBY: P# LAT-DS-02388
GLAST. TR#

W# 112061
REQ DATE 02-10-05
REL. DATE 12-01-04
S#
P# 0000048800

CUST #
QTY 1
PROJECT# P17300
CUST# 12356

PAGE 2

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



3 210 00 CCA/BLACK BOX ASSY AREA
PARK GTC SN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 3

DATE	QTY	REMARKS	STATUS
2/11/05	1		OK



4 013 00 SMT ASSY LINE
PRE-SMT DABEOUT 0.0000 0.0000 0.0000

* 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		OK



5 013 00 SMT ASSY LINE
STENCIL BOTTOM SIDE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 5.

* RECORD SOLDER PASTE DATA BELOW:

GTC PCB: 31728 EXPIRATION DATE: 7-14-05

DATE	QTY	REMARKS	STATUS
2/11/05	1		OK



6 013 00 SMT ASSY LINE
PICK-N-PLACE PARTS 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 6

DATE	QTY	REMARKS	STATUS
2/17/05	1	TD-11	OK

Solder Paste with 31728

C131 - .0079	C57 - .0074
C134 - .0075	C47 - .0076
C117 - .0078	
C17 - .0076	Sum = .00761
C230 - .0078	Avg = .0076
C11 - .0072	Range = .0007
C81 - .0076	
C34 - .0079	

Measurements taken B1
MR 1506
2/17/05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PN: LAT-06-02369
GLAST, 1545

NO: 112063
START DATE: 02-10-05
END DATE: 12-31-04
CUST #
PROJECT # 1
CUST # 15446

PAGE 3

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



011 70 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 7

DATE	QTY	REMARKS	STATUS
2-17-05	1		PF



012 80 SMT ASSY LINE AQUEOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 8

DATE	QTY	REMARKS	STATUS
2-17-05	1		PF



020 90 QUALITY ASSURANCE AREA
OPER: SLDR-1258 ASSY 1545 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 9

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

DRAW #:

DATE	QTY	REMARKS	STATUS
2/17/05	1		670 68 6A



021 90 SMT ASSY LINE SOLDER PASTE STENCIL TOP SIDE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 11

** RECORD SOLDER PASTE DATA BELOW:

LOT # = 31725 EXPIRATION DATE 7-11-15

DATE	QTY	REMARKS	STATUS

L20 = .0013
 D500 = .0079
 C517 = .0073
 A-610 = .0073
 W660 = .0079
 D20 = .0073

Solder Paste Out Top Side
 Sump = .0045
 Avg = .0075
 Range = .0006
 - Mess+ amounts
 Taken By:
 Wk 1866
 2/18/05

WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

APRQ/PNS: LAT DS-02388
GLASD, CFS

WO# 112063
REQ DATE 02-10-05
REL DATE 12-01-04
SO#
PO# 0000048900

CUST PO
CUST CTRY
PROJECTS
CUST# 817300
15362

PAGE 4

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



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

* PROCESS PER CAA STEP 11:

DATE	QTY	REMARKS	STATUS
2/20/05	1	7211	OK



12 013 00 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 12:

DATE	QTY	REMARKS	STATUS
2/20/05	1		OK



13 013 00 SMT ASSY LINE ACCESSORY CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13:

DATE	QTY	REMARKS	STATUS
2/20/05	1		OK



14 095 00 QUALITY ASSURANCE AREA OFE SLOC-1421 ASSY-784 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14:

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

ISSUE# 29620

DATE	QTY	REMARKS	STATUS
2/20/05	1		OK
2/23/05	1		OK

if B. LIVING DEODER...
if B. LIVING DEODER...
wrong #81 Q599, Q699...
3/1/05

03/09/05 Installed Q599 & Q699
correctly by SHF
03/09/05

WORK CELL: 4-MIXED

CUSTOMER: ELAC

TYPE, PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/BN# LAT_DS-02300
GLAST, TFS

WO# 112263
REQ DATE 02-10-05
REL DATE 12-01-04
PC# 0000248800

CUST P#
QTY
PROJECT# 717310
CUST# 10350

PAGE 5

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



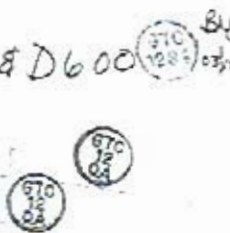
15 210 00 CON/BLACK BOX ASSY AREA
PIN THRU-HOLE PARTS 0.0000 0.0000 0.0000

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

DATE

DATE	QTY	REMARKS	STATUS
3/14/05	1	Tinned Parts	3/14/05
3/14/05	1	trimmed leads	me 1498

3/14/05 Installed D500 & D600
3.14.05 stripped wires H.6 3/14/05
3-11-05 25
3-15-05 25 ✓ tinned leads
3-14-05 tinned wires H.6 3/14/05



16 210 00 CON/BLACK BOX ASSY AREA
MECH ASSY - HSNXK/VRB 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 16.
- * RECORD ADHESIVE DATA BELOW:
GTC FOR 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
3-15-05	1		



17 210 00 CON/BLACK BOX ASSY AREA
TERMINATE VRB 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 17
- | DATE | QTY | REMARKS | STATUS |
|----------|-----|-------------------------|--------|
| 03-16-05 | 1 | stripped & tinned wires | |
| 3/16/05 | 1 | inspection strip & tin | |

← special in-process
QA examination of
wires
10E 4-7-05



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

AWBY/PNF LAT-DS-02388
GLAST. OPS

WO# 112003
REQ DATE 02-10-05
REL DATE 12-01-04
SC#
PC# 0000048600

CUST TR#
QTY 1
PROJECT# 717300
COST# 19358

PAGE 4

LINE DEPT MAJOR OPER DESCRIPTION SETUP HOURS RUN LINE-MACH ST-LOT



LINE	DEPT	MAJOR	OPER	DESCRIPTION	SETUP	HOURS	RUN	LINE-MACH	ST-LOT
18	210	00	00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER RL, R2	0.0000	0.0000	0.0000		

• PROCESS PER CAA STEP 18.

DATE	QTY	REMARKS	STATUS

*moved to install + solder to
STEP 26
ME 4-7-05*



LINE	DEPT	MAJOR	OPER	DESCRIPTION	SETUP	HOURS	RUN	LINE-MACH	ST-LOT
19	210	00	00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER TO WIRES	0.0000	0.0000	0.0000		

• PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
03-16-05	1	Installed wires	582



LINE	DEPT	MAJOR	OPER	DESCRIPTION	SETUP	HOURS	RUN	LINE-MACH	ST-LOT
20	210	00	00	QUALITY ASSURANCE AREA OTE: SLOC-10 ASSY-01	0.0000	0.0000	0.0000		

• PROCESS PER CAA STEP 20.
• RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DATE: _____ QTY: _____ REMARKS: _____ STATUS: _____

DATE	QTY	REMARKS	STATUS
3/17/05	1		582



LINE	DEPT	MAJOR	OPER	DESCRIPTION	SETUP	HOURS	RUN	LINE-MACH	ST-LOT
21	210	00	00	CCA/BLACK BOX ASSY AREA VCR ASSY-BOTTOM 1CS	0.0000	0.0000	0.0000		

• PROCESS PER CAA STEP 21.
• RECORD ADHESIVE DATA BELOW:
DOD P# 31450 EXPIRATION DATE 05/17/05
• RECORD ASSIGNED TONGUE USED, AND CAL DUE DATE, BELOW:
CODE = GTC-A-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
3-17-05	1		582

WORK CELL: 4-NIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

PO# 00000000000000000000
GLASS, 195

MO# 110073
SOLD DATE 11-10-05
SOLD DATE 11-01-04
PC# 0000048800

CUST #
QTY 1
PROJECT # 117300
COST# 15152

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



22 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER WIRES-1CS 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 22.

DATE	QTY	REMARKS	STATUS
02-17-05	1		67C 592



23 230 00 QUALITY ASSURANCE AREA
OPR: SLDG 35 ASSY-28 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 23.

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

DR#(S):

DATE	QTY	REMARKS	STATUS
3/17/05	1		67C 592



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

* PROCESS PER CAA STEP 24

* RECORD ADHESIVE DATA BELOW:

WIC PC# 31450 EXPIRATION DATE 05/17/05

DATE	QTY	REMARKS	STATUS
03-17-05	1		67C 592



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

* PROCESS PER CAA STEP 25.

DATE	QTY	REMARKS	STATUS
3/17/05	1	Prep Caps	56-587
03-18-05	1	Installed Caps	67C 592

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 8

ENV4 LAT-D8-02388
CART. TPS

WOP 112063
REQ DATE 02-10-05
REL DATE 12-01-04
SOS
PO# 0000048800

CUST #
CITY
PROJECT# P17300
CUST# 10360

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



26 010 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER P. R. T

RI + R2 ME. 4-7-05

* PROCESS PER CAA STEP 26.

DATE	QTY	REMARKS	STATUS
3-18-05	1		OK



27 031 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
SPE. SLDR-76 ASSY 3A

* PROCESS PER CAA STEP 27.

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

DEF#(S):

DATE	QTY	REMARKS	STATUS
3/18/05	1		OK



28 000 00 SPCA 101 0.0000 0.0000 0.0000
SPCA TEST

* PROCESS PER CAA STEP 28.

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

TEST#(S):

DATE	QTY	REMARKS	STATUS
3/18/05	1	SN: GT110	PASSED



29 011 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER P. R. T

SLDR 1/2-ROW 1 CHECK 3-19-05
SLDR 1/2-ROW 2 CHECK 3-19-05
SLDR 1/2-ROW 3 CHECK 3-19-05

* PROCESS PER CAA STEP 29.

DATE	QTY	REMARKS	STATUS
03/19/05	1	soldered row 1	OK
03/21/05	1	soldered row 2	OK
03/21/05	1	soldered row 3	OK

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 9

* 7/P#s 127-DE-02888
GLAST. TFS

WOB 112663
WRO DATE 03-10-05
WEL DATE 12-01-04
WOB
WOM
WOM 0000048800

CUST #
CITY
PROJECTS
COSTS
1
P17500
18388

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



30 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER O/P CABLE
SLDR O/P-ROW 1-CHECK 3/21/05 ne 1337
SLDR O/P-ROW 2-CHECK 3/21/05 ne 1337
SLDR O/P-ROW 3-CHECK 3/21/05 ne 1337
SLDR O/P-ROW 4-CHECK 3/22/05 ne 1337

* PROCESS PER CAA STEP 30.

DATE QTY REMARKS STATUS
03/21/05 1 soldered Row 1 GTC 1288 Byp
03/21/05 1 soldered Row 2 GTC 1288 Byp
03/21/05 1 soldered Row 3 GTC 1288 Byp
03/22/05 1 soldered Row 4 GTC 1288 Byp



31 292 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
QTY: SLDR-06 ASSY-107

* PROCESS PER CAA STEP 31.

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

DEPR(S)

DATE QTY REMARKS STATUS
3/22/05 1 _____ GTC 1288 Byp



32 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
HANDS CLEAN

* PROCESS PER CAA STEP 32.

DATE QTY REMARKS STATUS
03/22/05 1 _____ GTC 1288 Byp

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

APPY/ENR LAT-06-02388
GLAST, TFS

WOP 112002
REQ DATE 12-10-05
REL DATE 12-01-04
SC#
PO# 0000048600

CUST #
QTY 1
PROJECT# P17300
COST# 15356

PAGE 10

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



33 210 00 COATING/POTTING AREA
POC WITH RTV - CABLE
D06-1104 0.0000 2.0000 1.0000

* PROCESS PER CAA STEP 33.

RTV D06-1104: OTC PO# 31695 EXPIRATION DATE 7-10-05

SEE ADHESIVE 0181 APPLICATION FOR CURE DATA.

DATE	QTY	REMARKS	STATUS
3-22-05	1		ICK



34 210 00 CCA/BLACK BOX ASSY AREA
SEAMS WITH RTV - VHS
D06-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP ~~34~~ 35 ME 3-14-05

RECORD REPORT RECORD REPORT NUMBER(S) BELOW 34-05
RTV D06-1104 POC# 31695 EXP Date. 7-10-05

DATE	QTY	REMARKS	STATUS
3-22-05	1		ICK



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

* PROCESS CAA PER CAA STEP 35 ME 3-14-05

CURE DATE RTV 31695 DATE STOP 7-10-05 ME 3-14-05

DATE	QTY	REMARKS	STATUS
3-22-05	1		ICK

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

**4V/EN# LAT-DS-02388
START: TFS

WC# 112153
REC DATE 02-10-05
REL DATE 12-01-04
PO# 0000048800

CUST #
QTY
PROJECTS 217300
CUST# 18155

PAGE 12

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



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

* PROCESS PER CAA STEP 39.

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

CURE DATE 3-22-05 START 4:30 STOP 6:30

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



40 211 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE CAPACITORS

AND R22, R1 & R2

SAS 4-22-05

* PROCESS PER CAA STEP 40.

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

CURE DATE 3-22-05 START 4:30 STOP 6:30

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



41 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE SLR-0 ASSY-87

* PROCESS PER CAA STEP 41.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

ERR#(S)

DATE... QTY... REMARKS..... STATUS
3/23/05 1
KLT

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

MPY/PK# LAT-DS-00388
SLAST: CFS

WO# 112083
REQ DATE 02-10-05
MIL DATE 10-31-04
SC#
PC# 0000048800

CUST P#
QTY 1
PROJECT# P17300
CUST# 18354

LINE DEPT MACH# OP# DESCRIPTION..... S E T - U P R U N . U D U R S L I N E - M A C H S T - L O T .



43 280 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
SLAC GAS INSPECTION - MIP

* PROCESS PER CAA STEP 42.
150X MANDATORY INSPECTION POINT - MIP!

DATE	QTY	REMARKS	STATUS
3-23-05	1	GLAT 1780	LAT TO CA



43 280 00 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACKAGE & SHIP CCA FOR
TEST @ CUSTOMER

* PROCESS PER CAA STEP 43

DATE	QTY	REMARKS	STATUS
3-23-05	1		APPROVED



44 280 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
RECEIVING INSPECTION

* PROCESS PER CAA STEP 44.
** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DRR#18

DATE	QTY	REMARKS	STATUS
5/13/05	1		



45 283 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
SLAC GAS PRE-COAT INSP.
MANDATORY INSPECTION
POINT - BEST POINT

* PROCESS PER CAA STEP 45.

DATE	QTY	REMARKS	STATUS
PC 5/13/05		GLAT 1780	LAT TO CA
5/13/05			

WORK CELL: 4-MIXED

CUSTOMER: ELAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

WORK ENR LAT-05-02353
GLAST. TFS

WO# 112243
REQ DATE 12-10-06
REL DATE 12-01-04
SO#
PO# 0000048800

CUST BA
QTY
PROJECT# 1
COST# 117300
12186

LINE DEPT MACH# OP# DESCRIPTION H O U R S
SET UP RUN... LINE-MACH AT-LCI:



46 200 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000

HAND CLEAN AND TEST
THE CLEANLINESS OF CCA.
ATTACH RESULTS REPORT TO
THE TRAVELER/WO

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

DATE	QTY	REMARKS	STATUS
5-13-05	1	clean	HW
5/13/05	1		PL1576



47 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DPE: SLDX-0 ASSY-7

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

DRR#(S):

DATE	QTY	REMARKS	STATUS
5/13/05	1		



48 200 00 COATING/POCKETING AREA 0.0000 0.0000 0.0000
SAFE-CUT AND MASK

- PROCESS CAA PER CAA STEP 48.

RECORD SAFE DATE-TIME START/STOP BELOW:

SAFE DATE: 5-13-05 START: 2:15 STOP: 3:15

DATE	QTY	REMARKS	STATUS
5/13/05	1	MASK BALE	HN

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

APRY/EN# LAT_DS-02385
GLAST, TPS

WO# 112063
REQ DATE 02-10-05
REL DATE 12-01-05
SDS
PO# 0000048800

CUST P#
CITY 1
PROJECT# P17300
COST# 15358

PAGE 15

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



49 101 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
CONFORMAL COATING

* PROCESS CAA PER CAA STEP 49:

CONFORMAL COATING PO# 31201 EXPIRATION DATE 6/30/05
AIR CURE DATE 5-13-05 START 4:15 AM STOP 5:45 PM 6:30 AM (5/16/05)

DATE	QTY	REMARKS	STATUS
<u>5/13/05</u>	<u>1</u>	<u>COAT</u>	<u>HN</u>



50 291 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
OVEN CURE/COOCHUP

* PROCESS CAA PER CAA STEP 50

OVEN CURE DATE 5/16/05 START 6:30 AM STOP 7:00 AM
OVEN CURE DATE 5-14-05 START 10:00 STOP 11:00

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>	<u>COAT</u>	<u>48</u>



51 293 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLLR-0 ASSY-7

* 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
- SPPA TEST REPORTS
- INSPECTION REPORTS
- NON-CONFORMANCE REPORTS
- END-ITEM DATA PACKAGE FORM
- DIGITAL PHOTOGRAPHS, RECORDED DATA CD...

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

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

PRV/PN# LAT-DS-02399
GLAST. TPR

WO# 112163
REQ. DATE 02-10-05
REL. DATE 12-01-04
SO#
PO# 0000048800

COST 26
PROJ. QTY 1
COST# 117300
COST# 13398

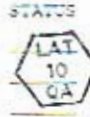
LINE DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN... LINE MACH ST-LOC.



01 250 00 SOURCE INSPECTION 0.0000 0.0000 0.0000

* PROCESS QAA PER QAA STEP 50
NOTE- NEXT ASSEMBLY IS LAT-DS-01462.

DATE	QTY	REMARKS	STATUS
5/16/05	1		



*****SERIAL NUMBER*****

*****APPROVAL*****

PROD: _____

QA: _____

*****WORK/MACHINE*****

IPC/EIA-3-SID-001C GLASS 3, WITH "OS" 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

-----pin 02 08.05-----

ASSEMBLY # : LAT-DS-02388
MO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

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

FULLED: _____

FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RSVD IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
				CURR STATUS	STAT QUANTITY				LOT QUANTITY	LOT DATE	SINLOC	QUANTITY
1	LAT-DS-02388 PWS, GLASS, TFS ORIGINAL QUANTITY...	EA	1.00					SK2 FN-01	1.00			
			1.00	ASVD	1.00	120305	SKCP2 120305		15.00	09-11-07		
2	LAT-DS-02890-01 ASSY, CABLE, TFS T/P ORIGINAL QUANTITY...	EA PWR	1.00	BO	1.00			SK2 FN-(D2) 17 01	0.00			
			1.00				SKCP2		0.00			
3	LAT-DS-02465 HEAT SINK, TFS ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D3	0.00			
			4.00	RSVD	4.00	115014	SKCP2 115014		25.00	06-29-07		
4	LAT-DS-02831-01 ASSY, CABLE, TFS O/P ORIGINAL QUANTITY...	EA PWR	1.00	BO	1.00			SK2 FN-(D4) 18 01	0.00			
			1.00				SKCP2		0.00			
5	LAT-DS-03598 SUPPORT, CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00					SK2 FN-D21	0.00			
			2.00	RSVD	2.00	115020	SKCP2 115020		14.00	09-27-06	P17300	
									23.00	05-11-07	IN ASSY	
6	LAT-DS-05895 LAMP, SN ORIGINAL QUANTITY...	EA	1.00	BO	1.00			SK2 FN-D22	0.00			
			1.00				SKCP2		0.00			
7	NAS1149CN430R WASHER ORIGINAL QUANTITY...	EA	4.00					SK2 FN D5	6.00	07-31-01	A4F	
			4.00	RSVD	4.00	115016	SKCP2 115016		138.00	09-27-04	LOT 115	
8	NAS87105 WTR 26, SM, PAT ORIGINAL QUANTITY...	EA	19.00	RSVD	19.00	117403		SK2 FN-5	57.00	11-04-04	DDH	

ASSEMBLY # : LAT-DS-02388
WO QUANTITY : 1
WZ LOCATION: W02

BY LINE ITEM

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

PULLED:

PULLED BY:

LT#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL			
					STAT QUANTITY	RESV IN LOT #			LOT QUANTITY	LOT DATE	BINLOC	RIN QUANTITY
8	NAS671C4 NUT, 89, SM, PAT Cont from prior page.	EA	19.00				FN-6	122955	545.00	02-02-05		
							FN-6	122956	910.00	02-02-05		
							FN-6	122986	500.00	02-03-05		
							FN-6	122987	200.00	02-02-05		
							SKCF2	44571	18.00	03-19-05	CF3D	
								116770	423.00	10-28-04		
9	NAS1352N06 6 SCREW ORIGINAL QUANTITY...	EA	7.00				SK2 FN-D7		0.00			
			7.00				SKCF2	115011	131.00	09-27-04		
				RSVD	7.00	115011						
10	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	4.00				SK2 FN-D8		0.00			
			4.00				SKCF2	114932	524.00	09-23-04	LOT 115	
				RSVD	4.00	114932						
								115012	712.00	09-27-04	IN ASSY	
11	NAS1149CN632R 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	NAS671D4 NUT, HEX, SS, PASS, 4-40THRD ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	122091	SK2 FN-D10	122091	133.00	01-20-05	HW7	
			4.00				FN-D10	122142	61.00	01-20-05		
							FN-D10	122180	250.00	01-21-05		
							FN-D10	123196	2000.00	02-04-05		
							FN-D10	123384	320.00	02-07-05		

ASSEMBLY # : LAT-DS-02388
WO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 01-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 07-11-05

1 PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT	RESV IN LOC #	LOT INVLOC NUMBER	INVENTORY DETAIL			
								LOT QUANTITY	LOT DATE	SINLOC	BIN QUANTITY
	WIRE 24AWG, WHITE Cont from prior page.	IN					SKCF2 115299	17715.00	10-01-04	LOT1152	
							PULLED:				
19	LAT-DS-34131 HEATSINK ORIGINAL QUANTITY...	EA	2.00				SK2 FN-D20	0.00			
			2.00				PULLED:				
				RSVD		120304	SKCF2 120304	14.00	09-11-07		
							PULLED:				
20	ARP46 IC SILVER ORIGINAL QUANTITY...	EA	1.00				SK2 FN-34 VRS	0.00			
			1.00				PULLED:				
				RSVD		114959	SKCF2 114959	17.00	09-27-04		
							PULLED:				
21	MAX7248CK IC ORIGINAL QUANTITY...	EA	7.00				SK2 FN-36 U6 U7 U8 U10 U15 U17 U18	0.00			
			7.00				PULLED:				
				RSVD		114961	SKCF2 114961	149.00	09-27-04		
							PULLED:				
22	5962R8869S01VXC IC ORIGINAL QUANTITY...	EA	5.00				SK2 FN-35 U2C U559 U560 U559 U660	0.00			
			5.00				PULLED:				
				RSVD		120301	SKCF2 120301	55.00	12-16-04	DRY 10	
							PULLED:				
23	SSR1040GJKV DIODE ORIGINAL QUANTITY...	EA	7.00				SK2 FN-19 D1 D2 D3 D4 D5 D19 D20	0.00			
			7.00				PULLED:				
				RSVD		114948	SKCF2 114948	210.00	09-27-04		
							PULLED:				
24	JANTXVIN4153UR-1 DIODE ORIGINAL QUANTITY...	EA	8.00				SK2 FN-20 D507 D503 D508 D595 D602 D603 D603 D699	0.00			
			8.00				PULLED:				
				RSVD		114949	SKCF2 114949	21.00	09-27-04		
							PULLED:				
25	JANTXVIN5308US DIODE IN5308UF ORIGINAL QUANTITY...	EA	8.00				SK2 FN-21 D501 D514 D507 D508 D601 D604 D607 D608	0.00			
			8.00				PULLED:				
				RSVD		114950	SKCF2 114950	128.00	09-27-04		
							PULLED:				
26	JANTXVIN6487US DIODE ORIGINAL QUANTITY...	EA	6.00				SK2 FN-23 CR1 CR3 CR4 CR5 CR6 CR9	0.00			
			6.00				PULLED:				



ASSEMBLY # : LAT-DS-02388
NO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

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

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
					STAT QUANTITY	QUANTITY				QUANTITY	LOT DATE	BIN
	DIODE Cont from prior page.	EA		RSVD	6.00	114952		SKCF2	114952	148.00	09-27-04	
27	JANTXV1N4106UR-1 DIODE ORIGINAL QUANTITY...	EA	4.00		4.00	114953		SK2 FN-24 CR5 D10 D505 D605 PULLED:		0.00		
				RSVD	4.00	114953		SKCF2	114953	42.00	09-27-04	
28	JANTXV1N4494US DIODE ORIGINAL QUANTITY...	EA	1.00		1.00	114955		SK2 FN-26 D600 PULLED:		0.00		
				RSVD	1.00	114955		SKCF2	114955	14.00	09-27-04	
29	JANTXV1N6485US DIODE ORIGINAL QUANTITY...	EA	1.00		1.00	114951		SK2 FN-22 CR3 PULLED:		0.00		
				RSVD	1.00	114951		SKCF2	114951	11.00	09-27-04	
30	JANTXV2N3439 TRANSISTOR ORIGINAL QUANTITY...	EA	4.00		4.00	115006		SK2 FN-81 Q604 Q550 Q650 PULLED:		0.00		
				RSVD	4.00	115006		SKCF2	115006	82.00	09-27-04	
31	5962R9582602VXC IC ORIGINAL QUANTITY...	EA	6.00		6.00	120302		SK2 FN-38 U1 U2 U21 U22 U461 U661 PULLED:		0.00		
				RSVD	6.00	120302		SKCF2	120302	104.00	12-16-04 DRY-10	
32	CR032BX103BWUS CAP 0.01UF 100V 10% ORIGINAL QUANTITY...	EA	22.00		22.00	114937		SK2 FN-4 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 PULLED:		0.00		
				RSVD	22.00	114937		SKCF2	114937	825.00	09-27-04	
33	CR030HC105KCB CAPACITOR ORIGINAL QUANTITY...	EA	4.00		4.00	114939		SK2 FN-6 C690 C697 C652 C697 PULLED:		0.00		
				RSVD	4.00	114939		SKCF2	114939	305.00	09-27-04	
34	M19105/22-0507H CAPACITOR ORIGINAL QUANTITY...	EA	30.00		30.00			SK2 FN-8 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 PULLED:		0.00		



WORK ORDER : 112063

(NEW)

WORK ORDER PICK LIST

PAGE: 6

ASSEMBLY # : IAT-DS-02388
WO QUANTITY : 1
WO 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	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN	LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
										QUANTITY	LOT DATE	BIN/LOC	QUANTITY
	CAPACITOR Cont from prior page.	EA		RSVD	30.00	114941		SKCF2	114941	495	09-27-04		30
35	1210B563K251YHTM CAPACITOR	EA	12.00					SK2		3.00			
	ORIGINAL QUANTITY...		12.00					FN-13 C601 C608 C610 C611 C614 C640 C601 C608 C610 C611 C614 C640					
				RSVD	12.00	114902		SKCF2	114902	63	09-23-04		12
36	RX2045 FUSE	EA	2.00					SK2		0.00			
	ORIGINAL QUANTITY...		2.00					FN-32 F2 F3					
				RSVD	2.00	114957		SKCF2	114957	46	09-27-04		2
37	595018771032VKA IC	EA	2.00					SK2		0.00			
	ORIGINAL QUANTITY...		2.00					FN-37 U604 U604					
				RSVD	2.00	114962		SKCF2	114962	49	09-27-04		2
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 L12 L13 L14					
				RSVD	12.00	114964		SKCF2	114964	219	09-27-04		12
39	32761-31 INDUCTOR	EA	2.00					SK2		0.00			
	ORIGINAL QUANTITY...		2.00					FN-40 L501 L601					
				RSVD	2.00	114965		SKCF2	114965	185	09-27-04		2
40	188N1557034 TRANSISTOR	EA	3.00					SK2		0.00			
	ORIGINAL QUANTITY...		3.00					FN-41 Q10 Q11 Q12					
				RSVD	3.00	114966		SKCF2	114966	97	09-27-04		3
41	W074500000 THICK FILM JUMPER	EA	15.00					SK2		0.00			
	ORIGINAL QUANTITY...		15.00					FN-42 R21 R24 R:17 R216 R218 R219 R223 R230 R269 R272 R299 R310 R311 R312					
				RSVD	15.00	114817		SKCF2	114817	1618	09-23-04		15
									114987	756	09-27-04		

ASSEMBLY # : LAT-DS-02368
WO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE : 03-13-09
RELEASE DATE : 13-01-04
DATE PRINTED : 03-11-08

(PULLED: _____)

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT QUANTITY	REV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
									QUANTITY	LOT LIFE	BIN/LOC QUANTITY
42	M55142K09B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-44	R580 R580 PULLED:	0.00		
				RSVD	2.00	114828	SKCF2	114828 PULLED: 114969 PULLED:	44.00	09-23-04	2
43	M55142K1651E21R RESISTOR ORIGINAL QUANTITY...	EA	3.00				SK2 FN-46	R5 R5 R21 PULLED:	0.00		
				RSVD	3.00	114971	SKCF2	114971 PULLED:	147.00	09-27-04	3
44	M55142K0691E37R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-47	R25 R20 R51 R52 PULLED:	0.00		
				RSVD	4.00	114972	SKCF2	114972 PULLED:	151.00	09-27-04	4
45	M55142K17681E00R RESISTOR, CHIP, 100W, 1% OHM ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	91633	SK2 FN-48	R17 R41 R48 R93 R552 R552 PULLED: PULLED:	156.00	09-20-03	5
							SKCF2	114818 PULLED: 114976 PULLED:	1235.00	09-23-04	6
46	M55142K0681F00R RESISTOR, CHIP, 100W, 1% OHM ORIGINAL QUANTITY...	EA	6.00				SK2 FN-49	R506 R515 R556 R506 R615 R656 PULLED:	0.00		
				RSVD	6.00	114819	SKCF2	114819 PULLED: 114977 PULLED:	630.00	09-23-04	7
47	M55142K0991E00R RES, CHIP, 2.00K, 1% 1/4W ORIGINAL QUANTITY...	EA	1.00				SK2 FN-50	R23C PULLED:	0.00		
				RSVD	1.00	115091	SKCF2	115091 PULLED:	131.00	09-28-04	8
48	M55142K0682E14R RESISTOR 1% ORIGINAL QUANTITY...	EA	3.00				SK2 FN-52	R71 R75 R77 PULLED:	0.00		
				RSVD	3.00	114980	SKCF2	114980 PULLED:	75.00	09-27-04	9

ASSEMBLY # : LAC-DS-02388
NO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

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

8 PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL		
					STAT QUANTITY	LOT #			QUANTITY	LOT DATE	BINLOC
49	M55142K06B4B75R RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-55 R509 R609 PULLED:	0.00		S10A
				RSVD	2.00	91326		SKCP2 91326 PULLED: 114911 PULLED:	67.00	05-24-03	CP1C
50	M55142K06B5E67R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	119010		SK2 119010 FN-56 R14 PULLED:	25.00	11-30-04	SP
								SKCP2 114984 PULLED:	144.00	09-27-04	
51	M55142K06B8R25R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	84080		SK2 84080 FN-57 R9 R10 PULLED:	12.00	09-15-01	SP
								SKCP2 114985 PULLED:	88.00	09-27-04	
52	M55142K06B10WR RESISTOR, CHIP, 100W, 10K 0 ORIGINAL QUANTITY...	EA	21.00					SK2 FN-50 R25 R26 R27 R502 R518 R522 R550 R551 R552 R518 R622 R650 R651 ZR24 ZR26 ZR81 ZR69 ZR25 ZR96 ZR97 ZR32 PULLED:	0.00		
				RSVD	21.00	114930		SKCP2 114830 PULLED: 114957 PULLED: 91324 PULLED:	117.00	09-23-04	CP2C
53	C0804BK104XUS CAP, 10UF, 50V ORIGINAL QUANTITY...	EA	32.00					SK2 FN-2 C10 PULLED:	0.00		
				RSVD	32.00	114935		SKCP2 114935 PULLED:	808.00	09-27-04	
54	C0818BK102BKUS CAPACITOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-3 C530 C610 PULLED:	0.00		
				RSVD	2.00	114936		SKCP2 114936 PULLED:	874.00	09-27-04	
55	C0818BK100BKUS CAPACITOR ORIGINAL QUANTITY...	EA	14.00					SK2 FN-3 C100 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 PULLED:	0.00		
				RSVD	14.00	114938		SKCP2 114938 PULLED:	840.00	09-27-04	

ASSEMBLY # : 1AT-DS-02388
NO QUANTITY : 1
W.P. LOCATION: W02

BY LINE ITEM

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

(PULLED: _____)

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL							
				CURR STATUS	STAT QUANTITY			LOT	LOT DATE	BIN					
56	CDR31BK221BKUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-7 C513 C551 C603 C651 PULLED:	0.00							
			4.00	RSVD	4.00	114940	SKCF2 114940 PULLED:	2460.00	09-27-04						
57	CDR31BK471AKUS CAPACITOR ORIGINAL QUANTITY...	EA	7.00				SK2 FN-9 C6 C7 C12 C36 C63 C74 C77 PULLED:	0.00							
			7.00	RSVD	7.00	114799	SKCF2 114799 PULLED:	1253.00	09-23-04						
							114942 PULLED:	533.00	09-27-04						
58	CDR31BP470BKUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-10 C103 C512 C561 C661 PULLED:	0.00							
			4.00	RSVD	4.00	115090	SKCF2 115090 PULLED:	951.00	09-28-04						
59	CDR09EC476KDB CAPACITORS ORIGINAL QUANTITY...	EA	89.00				SK2 FN-11 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C229 C230 C231 C232 C233 C234 C235 C236 C237 C238 C239 C240 C241 C242 C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C254 C255 C256 C257 C258 C259 C260 C261 C262 C263 C264 C265 C266 C267 C268 C269 C270 C271 C272 C273 C274 C275 C276 C277 C278 C279 C280 C281 C282 C283 C284 C285 C286 C287 C288 C289 C290 C291 C292 C293 C294 C295 C296 C297 C298 C299 C300 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C313 C314 C315 C316 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C335 C336 C337 C338 C339 C340 C341 C342 C343 C344 C345 C346 C347 C348 C349 C350 C351 C352 C353 C354 C355 C356 C357 C358 C359 C360 C361 C362 C363 C364 C365 C366 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 C377 C378 C379 C380 C381 C382 C383 C384 C385 C386 C387 C388 C389 C390 C391 C392 C393 C394 C395 C396 C397 C398 C399 C400 C401 C402 C403 C404 C405 C406 C407 C408 C409 C410 C411 C412 C413 C414 C415 C416 C417 C418 C419 C420 C421 C422 C423 C424 C425 C426 C427 C428 C429 C430 C431 C432 C433 C434 C435 C436 C437 C438 C439 C440 C441 C442 C443 C444 C445 C446 C447 C448 C449 C450 C451 C452 C453 C454 C455 C456 C457 C458 C459 C460 C461 C462 C463 C464 C465 C466 C467 C468 C469 C470 C471 C472 C473 C474 C475 C476 C477 C478 C479 C480 C481 C482 C483 C484 C485 C486 C487 C488 C489 C490 C491 C492 C493 C494 C495 C496 C497 C498 C499 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 C518 C519 C520 C521 C522 C523 C524 C525 C526 C527 C528 C529 C530 C531 C532 C533 C534 C535 C536 C537 C538 C539 C540 C541 C542 C543 C544 C545 C546 C547 C548 C549 C550 C551 C552 C553 C554 C555 C556 C557 C558 C559 C560 C561 C562 C563 C564 C565 C566 C567 C568 C569 C570 C571 C572 C573 C574 C575 C576 C577 C578 C579 C580 C581 C582 C583 C584 C585 C586 C587 C588 C589 C590 C591 C592 C593 C594 C595 C596 C597 C598 C599 C600 C601 C602 C603 C604 C605 C606 C607 C608 C609 C610 C611 C612 C613 C614 C615 C616 C617 C618 C619 C620 C621 C622 C623 C624 C625 C626 C627 C628 C629 C630 C631 C632 C633 C634 C635 C636 C637 C638 C639 C640 C641 C642 C643 C644 C645 C646 C647 C648 C649 C650 C651 C652 C653 C654 C655 C656 C657 C658 C659 C660 C661 C662 C663 C664 C665 C666 C667 C668 C669 C670 C671 C672 C673 C674 C675 C676 C677 C678 C679 C680 C681 C682 C683 C684 C685 C686 C687 C688 C689 C690 C691 C692 C693 C694 C695 C696 C697 C698 C699 C700 C701 C702 C703 C704 C705 C706 C707 C708 C709 C710 C711 C712 C713 C714 C715 C716 C717 C718 C719 C720 C721 C722 C723 C724 C725 C726 C727 C728 C729 C730 C731 C732 C733 C734 C735 C736 C737 C738 C739 C740 C741 C742 C743 C744 C745 C746 C747 C748 C749 C750 C751 C752 C753 C754 C755 C756 C757 C758 C759 C760 C761 C762 C763 C764 C765 C766 C767 C768 C769 C770 C771 C772 C773 C774 C775 C776 C777 C778 C779 C780 C781 C782 C783 C784 C785 C786 C787 C788 C789 C790 C791 C792 C793 C794 C795 C796 C797 C798 C799 C800 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C813 C814 C815 C816 C817 C818 C819 C820 C821 C822 C823 C824 C825 C826 C827 C828 C829 C830 C831 C832 C833 C834 C835 C836 C837 C838 C839 C840 C841 C842 C843 C844 C845 C846 C847 C848 C849 C850 C851 C852 C853 C854 C855 C856 C857 C858 C859 C860 C861 C862 C863 C864 C865 C866 C867 C868 C869 C870 C871 C872 C873 C874 C875 C876 C877 C878 C879 C880 C881 C882 C883 C884 C885 C886 C887 C888 C889 C890 C891 C892 C893 C894 C895 C896 C897 C898 C899 C900 C901 C902 C903 C904 C905 C906 C907 C908 C909 C910 C911 C912 C913 C914 C915 C916 C917 C918 C919 C920 C921 C922 C923 C924 C925 C926 C927 C928 C929 C930 C931 C932 C933 C934 C935 C936 C937 C938 C939 C940 C941 C942 C943 C944 C945 C946 C947 C948 C949 C950 C951 C952 C953 C954 C955 C956 C957 C958 C959 C960 C961 C962 C963 C964 C965 C966 C967 C968 C969 C970 C971 C972 C973 C974 C975 C976 C977 C978 C979 C980 C981 C982 C983 C984 C985 C986 C987 C988 C989 C990 C991 C992 C993 C994 C995 C996 C997 C998 C999 C1000 PULLED:	89.00	RSVD	89.00	114943	SKCF2 114943 PULLED:	1799.00	09-27-04	
60	CDR31BP101BKUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-12 C121 C907 C607 C612 PULLED:	0.00							
			4.00	RSVD	4.00	114944	SKCF2 114944 PULLED:	310.00	09-27-04						
61	JANTXV1N448SUS DIODE ORIGINAL QUANTITY...	EA	1.00				SK2 FN-25 D500 PULLED:	0.00							
			1.00	SO	1.00		SKCF2 PULLED:	0.00							
62	AKEL1C FUSE POLYSWITCH ORIGINAL QUANTITY...	EA	1.00				SK2 FN-33 F1 F5 PULLED:	0.00							
			1.00	RSVD	1.00	114958	SKCF2 114958 PULLED:	45.00	09-27-04						
63	AW888ER20CFA RESISTOR ORIGINAL QUANTITY...	EA	1.00				SK2 FN-43 R22 PULLED:	1.00							



ASSEMBLY # : LAT-DS-02085
NO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-06

V PULLED:

PULLED BY:

LINE DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL		
				STAT QUANTITY	RESV IN LOT #			LOT QUANTITY	LOT DATE	BIN
RESISTOR Cont from prior page	EA		RSVD	1.00	114968	SKCF2	114968	13.00	09-27-04	
							PULLED:			
64 M55342K06B1B21R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-45 R00 R53 R56 R61		0.00		
		4.00	RSVD	4.00	114970	SKCF2	114970	24.00	09-27-04	
							PULLED:			
65 M55342K06B1B21R RESISTOR ORIGINAL QUANTITY...	EA	6.00				SK2 FN-51 R37 R40 R64 R65 R66 R67		0.00		
		6.00	RSVD	6.00	114979	SKCF2	114979	44.00	09-27-04	
							PULLED:			
60 M55342K09B10F0R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-60 R543 R544 R643 R644		0.00		
		4.00	RSVD	4.00	114820	SKCF2	114820	84.00	09-23-04	
							PULLED:			
							114988	312.00	09-27-04	
							PULLED:			
67 M55342K06B1B3E0R RESISTOR ORIGINAL QUANTITY...	EA	3.00				SK2 FN-61 R18 R30 R46		0.00		
		3.00	RSVD	3.00	114989	SKCF2	114989	123.00	09-27-04	
							PULLED:			
68 M55342K14B15E0R RESISTOR, CHIP, 100W, 1SR O ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	1305	SK2 FN-62 R19		140.00	09-26-06 55B	
		1.00				SKCF2	114990	83.00	09-27-04	
							PULLED:			
69 M55342K06B16B2R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-63 R231 R567		0.00		
		2.00	RSVD	2.00	114991	SKCF2	114991	132.00	09-27-04	
							PULLED:			
70 M55342K16B00E0R RESISTOR, 2Kohms ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	17105	SK2 FN-64 R505 R507 R510 R525 R605 R607 R610		303.00	03-23-95 29T	
		8.00				SKCF2	114992	1012.00	03-26-03	
							PULLED:			
							FN-64 R505 R507 R510 R525 R605 R607 R610			
							PULLED:			

114992

ASSEMBLY # : LAT-06-02399
WO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-06
RELEASE DATE : 12-31-04
DATE PRINTED : 02-11-06

X PULLED: _____

PULLED BY: _____

LINE DESCRIPTION	PART NUMBER AND UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		LOC INVLOC NUMBER	INVENTORY DETAIL				
				STAT QUANTITY	RESV IN LOT #		LOT QUANTITY	LOT DATE	BIN	LOC QUANTITY	
	RESISTOR, 20Kohms Cont from prior page.		EA			SKCF2 114992	208.00	09-27-04			
						PULLED:					
71	M55342K05000DIR RESISTOR ORIGINAL QUANTITY...	1.00 1.00	EA			SK2 FN-65 R511 PULLED:	0.00				
				RSVD	1.00 114993	SKCF2 114993 PULLED:	137.00	09-27-04			
72	M55342K06000DIR RESISTOR ORIGINAL QUANTITY...	5.00 5.00	EA	RSVD	5.00 50590	SK2 50590 FN-66 R34 R43 R512 R555 R615 PULLED:	33.00	12-15-00	S60		
						SKCF2 50591 PULLED: 114994 PULLED:	10.00	12-15-00	S63		
73	M55342K06000DIR RESISTOR ORIGINAL QUANTITY...	1.00 1.00	EA			SK2 FN-67 R666 PULLED:	0.00				
				RSVD	1.00 114995	SKCF2 114995 PULLED:	134.00	09-27-04			
74	M55342K06000DIR RESISTOR, 49.9KOHMS ORIGINAL QUANTITY...	6.00 6.00	EA	RSVD	6.00 83542	SK2 83542 FN-68 R27 R42 R598 R599 R695 R699 PULLED:	303.00	03-31-03	S15		
						SKCF2 114996 PULLED:	200.00	09-27-04			
75	M55342K06000DIR RESISTOR ORIGINAL QUANTITY...	1.00 1.00	EA	RSVD	1.00 84266	SK2 84266 FN-69 R667 PULLED:	17.00	04-15-03	S18		
						SKCF2 114997 PULLED:	146.00	09-27-04			
76	M55342K06000DIR RESISTOR, CHIP, 100K, 100 OH ORIGINAL QUANTITY...	4.00 4.00	EA	RSVD	4.00 104427	SK2 104427 FN-70 R501 R530 R601 R690 PULLED:	240.00	04-27-04	S7H		
						SKCF2 114820 PULLED: 114998 PULLED:	2425.00	09-23-01			
77	M55342K06000DIR RESISTOR, CHIP, 100K, 100K ORIGINAL QUANTITY...	13.00 13.00	EA			SK2 FN-71 R6 R7 R200 R201 R202 R203 R204 R206 R207 R513 R597 R613 R697 PULLED:	0.00			S20	



ASSEMBLY # : LAT DS-02388
NO QUANTITY : 1
MPL LOCATION: NO2

BY LINE ITEM

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

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
					STAT	QUANTITY				LOT QUANTITY	LOT DATE	BINLOC	BIN QUANTITY
	RESISTOR,CHIP,100K,100K Cont from prior page.	EA		RSVD	13.00	114923		SKCF2	114923	1314.00	09-23-04	SP3	
									PULLED:				
									114999	160.00	09-27-04		
									PULLED:				
									94594	40.00	01-08-04		
									PULLED:				
78	M55342K060001DR RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	50499		SK2 FN-72 R50	50759	29.00	12-20-00	SP3	
									PULLED:				
									SKCF2	91325	84.00	09-24-03	CF2C
									PULLED:				
									115000	47.00	09-27-04		
									PULLED:				
79	D55342K078402ER RES. 402K, 1/4W, 1% ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84272		SK2 FN-73 R532	84272	20.00	04-18-03	SK3	
									PULLED:				
									FN-73 R532	10.00	09-26-98		
									PULLED:				
									SKCF4	115001	93.00	09-27-04	
									PULLED:				
80	D55342K078511ER RESISTOR ORIGINAL QUANTITY...	EA	10.00					SK2 FN-74 R531 R532 R534 R535 R536 R537 R538 R539		0.00			
			10.00						PULLED:				
				RSVD	10.00	115002		SKCF2	115002	305.00	09-27-04		
									PULLED:				
81	M55342K060545DR RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-75 R122 R142		0.00			
			2.00						PULLED:				
				RSVD	2.00	115003		SKCF2	115003	450.00	09-27-04		
									PULLED:				
82	S111P18-0947R6 THERMISTOR, 1% ORIGINAL QUANTITY...	EA	2.00					SK2 FN-79 P1 R2		0.00			
			2.00						PULLED:				
				RSVD	2.00	115004		SKCF2	115004	40.00	09-27-04		
									PULLED:				
83	JMNTXV2N2222A0D TRANSISTOR NPN ORIGINAL QUANTITY...	EA	21.00					SK2 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		0.00			
			21.00						PULLED:				
				RSVD	21.00	120303		SKCF2	120303	425.00	09-18-04		
									PULLED:				

PULLED BY: _____

LINE NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	LOT NUMBER	INVENTORY DETAIL			
			CURR STATUS	STAT QUANTITY				LOT QUANTITY	LOT DATE	BINLOC	BIN QUANTITY
85 JANUARY21907AUB TRANSISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-82 Q699 Q699 PULLED:	0.00			
		2.00	REVD	2.00	115007	SKCP2 115007		52.00	09-27-04		
							PULLED:				
85 M55342K09B4E99R RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-54 R619 R619 PULLED:	0.00			
		2.00	REVD	2.00	114982	SKCP2 114982		215.00	09-27-04		
							PULLED:				
86 M55342K06B5E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	REVD	2.00	60670		SK2 40670 FN-55 R508 R508 PULLED:	44.00	09-07-01	89F	
		2.00					SKCP2 114929	9.00	03-19-03		
							114983	204.00	09-23-04		
							PULLED:				
							114983	212.00	09-27-04		
							PULLED:				
87 M55342K09B1002R RESISTOR ORIGINAL QUANTITY...	EA	1.00					SK2 FN-52 R611 PULLED:	0.00			
		1.00	REVD	1.00	114986	SKCP2 114986		217.00	09-27-04		
							PULLED:				






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 <i>G. Pozzi</i>	4-25-05	G. Hefkin <i>G. Hefkin</i>	4-25-05	M. Mora <i>M. Mora</i>	4-25-05	P. Lujan <i>P. Lujan</i>	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>sun</i>			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792 __ Serial Number <u>GT110 GLAT 1780</u>	 <i>SJP</i>	04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	<i>SJP</i>	05/05/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	<i>SJP</i>	05/05/05	
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>FOR MIX INSTRUCTIONS REFER TO CAA LAT-DS-02388</i>	 <i>SJP</i>	05/05/05	
5	Hysol 0151 data: DATE MIXED <u>05/05/05</u> Expiration Date <u>01/31/07</u> PO# <u>31403</u>	 <i>SJP</i>	05/05/05	
6	Inspection	 <i>SJP</i>	5/6/05	
7	Source Inspection	 <i>SJP</i>	5/6/05	






REWORK TRAVELER

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

ASSEMBLY NAME: TPS CCA QTY: 1

APPROVAL		G. POZZI <i>[Signature]</i> 4-28-05		G. HEFKIN		K. BERGTHOLDT <i>[Signature]</i> 4/28/05		P. LUJAN <i>[Signature]</i> 4-28-05	
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	SLAC SOURCE	DATE		

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>110</u> GLAT- <u>1780</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>	05/05/05	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		5/6/05	
4	SOURCE INSPECTION		5/6/05	

DEFECT RECORD REPORT

ID: 29620

PART NUMBER: LAT-DS 07388

WORK ORDER: H2063

SALES ORDER: F17300

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ


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
✓ 110	3	1858	A342		> 25% OVERHANG	L1,6,13	
✓ 110	1	VENDOR	A377		MISSING MASKING		NEAR R516
✓ 110	1	1858	S402		INSUFFICIENT SOLDER	D2	
✓ 110	1	1858	S407		NON SOLDERED CONNECTION	D1	

03/08/05 Remarks done by  03/08/05

3/9/05 



General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA PIN: LAT-DS-02388 GT110 GLAT1780
W.O. #: ~~112088~~^{DP1} 112063
CC Tech: HN (Initial / Employee #)
Date: 5-13-05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

Lot Number: AK4GB8013A
~~3120~~^{DP1} Expiration Date: 6/30/05

MIX RATIOS: 18 PBW-5750A TO 100 PBW-5750B
AIR CURE: 5-13-05 (4:00PM) TO 5-16-05 (6:30AM)
OVEN CURE: 6:30 AM TO 5-16-05

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

APPROVAL G. POZZI	G. HEFKIN	K. BERGTHOLDT	P. LUJAN
PREPARED BY	DATE	ENG MGR SUP.	DATE
DATE	DATE	QA MGR ENTL.	DATE
SLAC SOURCE			DATE










STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>110</u> GLAT- <u>1780</u>	GTC 1298 ByP	04/23/05	
2	OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. NO SOLDER BALLS ALLOWED.	ByP	05/02/05	
3	AQUEOUS CLEAN USING RECIPE #3	Dm1262	5/1/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	GTC 1298	5/6/05	
5	SOURCE INSPECTION	LAT 10 QA	5/4/05	

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. HEFKIN	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
	NCMR 2305 REMOVE AND REPLACE Q10, Q11, AND Q12			
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>110</u> , GLAT- <u>1780</u>	 Byp	04/22/05	
2	<p>OPERATOR:</p> <p>REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS</p> <p>PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG.</p> <p>KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.</p>	 Byp  Byp  Byp	05/04/05 05/04/05 05/04/05	
3	<p>OPERATOR:</p> <p>VERIFY PADS HAVE NO DAMAGE.</p>	 5/4/05	05/04/05	
3	<p>OPERATOR:</p> <p>SOLDER Q10, Q11, AND Q12 ONTO BOARD</p> <p>USE THE METCAL SOLDERING IRON WITH A .5" BLADE TIP.</p>	 Byp	05/05/05	
4	<p>OPERATOR:</p> <p>HAND CLEAN BOARDS USING ALCOHOL.</p>	 Byp	05/05/05	
5	<p>INSPECTION:</p> <p>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS</p>		5/6/05	
6	SOURCE INSPECTION		5/6/05	



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TIME vs RESISTIVITY

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Time Resistivity = 40.70 mohm-cm
Cell Constant = 0.114 cm/cm

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

AG# N# LAT-DS-02831-01
AS TABLE, TPS O/P PWR

WOS 112044
REQ DATE 02-05-05
REL DATE 02-02-05
SC#
PO# 0000048800

CUST P# 19
QTY 19
PROJECT# 117300
CUST# 15356

SERIAL NUMBER LISTING:-----

N/A

APPROVAL
PRD: 2/10/05
CA: MDR, 2-7-05

WORKMANSHIP:-----

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

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV SDATE
A ¹	3	N/A	3		mm 2/10/05
B	4	N/A	3	To make	mm 2/10/05
A ²	2	N/A	6	To move	mm 3/18/05
A1B	2	N/A	7	To move	mm 3/22/05
A1A ³	6	N/A	7	To move	mm 3/18/05

(w/ohdr rev 03.19.04 gih)

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
 ASSY & PL: LAT-DS-02831 REV 52 NONE
 (REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION RQT)
 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
2-7-05			MDR



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

APRN/PNS LAT-DS-02831-01
CABLE, TFS O/P PWR

WO# 112044
REQ DATE 02-08-05
REL DATE 02-09-05
SQ#
PC# 0000048833

CUST P#
QTY 19
PROJECT# F17300
COST# 15156

.....
LINE 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 RTV.

DATE QTY REMARKS..... STATUS
2/10/05 19
.....
.....
..... *ASL*

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

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

WOM 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOW
PO# 0000048800

CUST P#
QTY 19
PROJECT# T17300
CUST# 15356

LI# DEPT MACH# OP# 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 SOCKET CONTACTS,
TIN LEADS.

• CRIMP TEST SETUP - GTC-2081...

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

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

USE STRIPPAGE BENEATH BENEATH WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 1/8" AND
AND LEAVES THE INSULATION SLUG IN PLACE.

350
EUBANKS SMALL MODEL #4900-CIM

• 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 attac
Rm

• ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER
- 2) STRIP THE INSULATION LEAVING THE SLUG. ~~W/AL-1000~~ 3/16 (.188) 2-15-05
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
 - CUT 78 WIRES TO 8-1/2" (8.50") LONG.
- 4) STRIP SECOND END USING THERMAL TWEEZERS. 1/4"
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) PULL INSULATION SLUG AND CRIMP CONTACT (200) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.
K-41

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

• POST-ASSY CRIMP TEST...

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

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

DATE	QTY	REMARKS	STATUS
2/15/05	4	78 wires x 4 = 312	Rm1970
3.7.05	2	156 wires	
3/16/05	4	4 parts	350

- 3.22.05 strip, tin, crimp H.G.#1941 (133)
- 3.27.05 strips H.G.#1941 (815)
- 3.23.05 crimp, tin, clean H.G.#1941 (492)
- 3.28.05 tin & clean H.G.#1941 (315)

WORK ORDER: 4-MIXED

CUSTOMER: STAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

AF: FN: LAT-DS-02831-01
CABLE, 175 O/P FWR

MO# 112044
REQ DATE 02-09-05
REL DATE 02-02-05
SQ#
PC# 0000014R00

CUST PR
QTY 10
PROJECT# F17300
CUST# 15256

PAGE 4

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFE: SLDR-78 ASSY-312

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

DR#(S):

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



5 210 00 OCA/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.

DR#(S):

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

46-#1441
checked strips 375 wires 3/22/05
1140
Checked crimps & tin 3/24/05
Checked wires for 492
tinning 3.5 Em 1574



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFE: SLDR-0 ASSY-78

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

DR#(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 bucket retention	
4/21/05	5	" " "	

RM1970
46-#1441
46-#1441
3.75205 (6) 46-#1441

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

A* P/N# LAT-DS-02831-01
7 CABLE, TFS O/P PWR

WO# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOP
PO# 0000048800

CUST #
QTY 10
PROJECT# P17300
CUST# 15356

PAGE 6

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



2 210 00 CCA/BLACK BDK ASSY AREA 0 0000 0.0000 0.0000
POT WIRES AT CONNECTOR.

- APPLY RTV, DCS-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").
- TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE RIMS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:
PO# 31695 EXP. DATE 07/10/05
- CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (40 C).
- RECORD CURE DATE, START/STOP TIME BELOW:
DATE _____ START _____ STOP _____

DATE...	QTY..	REMARKS.....	STATUS
<u>3/24/05</u>	<u>2</u>		<u>ASSEMBLED</u>
<u>3/28/05</u>	<u>6</u>	<u>save lot of RTV used as above</u>	<u>H.G. #1941</u>
<u>4/22/05</u>	<u>6</u>		<u>ASSEMBLED</u>



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 WO CLOSURE AND NEXT ASSY - LAT-DS-02386.

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



WORK ORDER : 112044

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02831-01
QTY : 19
LOCATION: M02

BY LINE ITEM

EFFECTIVITY DATE: 02-08-05
RELEASE DATE : 01-02-05
DATE PRINTED : 02-05-05

& PULLED:

PULLED BY:

L1#	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL							
			REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY			LOT QUANTITY	LOT DATE	SIN BINLOC	QUANTITY				
1	20650-1 CONN (311P407-55-B-15) ORIGINAL QUANTITY...	EA	1.00	RD	19.00		SKCF2 FN-1	0.00							
<p>The following parts have been defined as alternates for 20650-1: L1# 1.1 311P407-55-B-15 1 PER Partial quantity replacements are allowed.</p> <p><i>Handwritten: BLAT-DS-02831 101# 114947</i></p>															
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	850.00	RSVD	16340.00	115299	SKCF2 FN-3	115299	34056.00	10-01-04	LOT1152				
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	26.84	RD	510.00		SKCF2 FN-2		0.00						
<p>The following parts have been defined as alternates for 206071-1: L1# 3.1 G08S1 1 PER Partial quantity replacements are allowed.</p>															
3.1	G08S1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	51.16	RSVD	972.00	115021	SKCF2 FN-2	115021	972.00	09-17-04					
<p>This line is an alternate part for line 3. G08S1 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	RD	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02831. APPLY HERE. PULLED:		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 MARNOX 11 1970	TEST DATE
CONTACT PN:	206071-1	2-16-05
WIRE PN:	M22759 111-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A830)	RHODA MARNOX
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A834)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	AIPHATT20W 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 #:	1	TEST DATE
CONTACT PN:		2/16/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC-)	RITON MARSH
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		112044
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.7	13.6	13.6
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
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1:10 P.M.

CRIMP TENSILE STRENGTH CAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE-PROD	POST-PROD						
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TEST DATE</td><td>3.16.05</td></tr> <tr><td>TESTED BY</td><td>Herbie Gray</td></tr> <tr><td>WORK ORDER NO.</td><td>112044</td></tr> </table>	TEST DATE	3.16.05	TESTED BY	Herbie Gray	WORK ORDER NO.	112044
TEST DATE	3.16.05							
TESTED BY	Herbie Gray							
WORK ORDER NO.	112044							
CONTACT PN:	206071-1							
WIRE PN:	M22759 / 11-74-9							
CRIMP TOOL PN (GTC Tool #):	M22520 / 201 (GTC A102)							
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC A692)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	Alphatron MP1-200A 16.12.04							
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:						

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	13.3	13.4
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS 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):

1:15 p.m.

CRIMP TENSILE STRENGTH CAT-DS-02831-01						
MIL-STD-1344; METHOD 2003.1						
TEST TYPE (circle one):		PRE		PROD		
TEST TYPE (circle one):		POST			- PROD	
CRIMP OPERATOR NAME/EMP #:	Velo 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)				Herbie Gray	
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC 1833)				WORK ORDER NO.	
SELECTOR VALUE:	3				117044	
TEST EQUIP # (Last CAL date):	Hydrotor MPT 2004 (6/17/04)					
PULL RATE:	1" +/- .25" per min.		OTHER PULL RATE:			
OBSERVATIONS/VALUES						
SAMPLE NUMBER:	No. 1		No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10		10		10	
MEASURED TENSILE STRENGTH:	13.5		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):						

10:34 a.m.

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CRIMP TENSILE STRENGTH CAT-DS-02834-01			
MIL-STD-1344; METHOD 2003.1			
TEST TYPE (circle one):	PRE - PROD		<u>POST</u> 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 / 2-01 (GTC #102)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC #692)		WORK ORDER NO.
SELECTOR VALUE:	3		112044
TEST EQUIP # (Last CAL date):	Aloha MPT200A (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	13.6	13.4
PASS/FAIL (circle test result)	<u>PASS</u> FAIL	<u>PASS</u> FAIL	<u>PASS</u> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	✓		
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}		✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

11:00 A.M.

Build of 12

CRIMP TENSILE STRENGTH CAT-DS-00381-01			
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 #:	Hebe Gray 1# 1941	TEST DATE	
CONTACT PN:	206071-1	2.22.05	
WIRE PN:	M22759 / 11-249	TESTED BY	
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC # 492)	Hebe Gray	
DIE/LOCATOR PN (GTC Tool #):	M22570 / 2-06 (GTC # 533)	WORK ORDER NO.	
SELECTOR VALUE:	3	112044	
TEST EQUIP # (Last CAL date):	Alphatron MFT 2004 (6/17/04)		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:	
OBSERVATIONS/VALUES			
SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	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):			

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Hester Gray #1941	
CONTACT PN:	206071-1	
WIRE PN:	M22529 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520 12-01 (GTC #1012)	
DIE/LOCATOR PN (GTC Tool #):	M22520 12-00 (GTC #833)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	Alphatron-2006 (6/7/07)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

TEST DATE	3.23.05
TESTED BY	Hester Gray
WORK ORDER NO.	112044

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 Asy-LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1742	TEST DATE
CONTACT PN:	2060711-1	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):

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER - NEM

ASSY/PN# LAT-DS-02930-01
CARTR. TRIP T/P TWP

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

CUST PR
QTY 10
PROJECT# 117300
CUST# 15356

PAGE 1

-SERIAL NUMBER LISTING:-----
N/A
APPROVAL
PROD: 1/12/05
QA: MAN, 2-9-05

-WORKMANSHIP:-----
ANSI-J-STD-CC1C 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		min 3/1/05
B	4	N/A	6	TO move	min 3/1/05
A ²	2	N/A	6	TO move	min 3/1/05

(wuhdr rev 05.19.04 glh)

LT# DEPT MACH# OP# 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: LAT-DS-02930
DOCUMENT NUMBER REV FD/PL OUTSTANDING RO'S
51 NONE
(REFERENCE ASSY/PL LAT-DS-02388 FOR ATV 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			



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

A PMS 1A7-DS-02820-01
7 CABLE, TPS 1/P PWR

WO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SO#
PO# 0700046800

CUST P#
OTI 19
PROJECT# F17300
CUST# 15356

.....
LIP 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.

21905 OF 19

REMARKS.....

STATUS

Handwritten signature/initials

WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

WIP# LAT-DG-02539-01
CABLE, TFS 1/1 FWK

WOB 112043
REQ DATE 02-09-05
REL DATE 02-01-05
SOB
PO# 0000048600

CHST P#
QTY 10
PROJECT# F17300
CUST# 14356

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



3 210 00 OCA/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-2091.

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 SCHEMATIC ENERGETIC WIRE STRIPPER SET UP WITH
24 AND STRIP BLADES, A STRIP LENGTH OF 1/8" (.125")
AND LEAVES THE INSULATION SLAG IN PLACE.

* PRE-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2091. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: Pm1970 DATE: 2/17/05 STATUS Pass

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLAG, 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) SOLDER INSULATION SLAG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M21520-2-09 TURRET/LOCATOR.

* POST-ASSY CRIMP TEST...

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2091. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.

CRIMP TEST: BY: Pm1970 DATE: 2/18/05 STATUS Pass

DATE	QTY	REMARKS	STATUS
2/18/05	4	4 sets of 10	Pm1970
3/8/05	1	1 set of 10 (Rework)	Cvd1920
3/17/05		2 set of 10	MV, Dh, mm. 16?

3-16 c. 2-A - set of 10
 3/16/05 w/ sets of 10 ship only
 MV. 1743

ECBANKS SMALL MACH #4800
2/17/05

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

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

FNS 1AT-03-02810-01
CABLE, TPS I/P FWK

WO# 112043
REQ DATE 02-02-05
REL DATE 02-01-05
SCI
PO# 0000048800

CUST #
QTY 10
PROJECT# P17300
CUST# 15356

PAGE 4

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



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

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

DR#(S) 29547

DATE	QTY	REMARKS	STATUS
2/22/05	40/30		STG
3/1/05	10	Restripped ok	SLV

STG
SLV



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

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

WIRE PAIR	CLR	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	J.G. #1941
3.19.05	2	complete	H.G. #1941

J.G. #1941
H.G. #1941

WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

PN# IAT-DS-02935-01
CABLE, TPS I/P PWR

MO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SOW
PO# 0000048800

CUST #
QTY 19
PROJECT# 17300
CUST# 19356

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SLDR-0 ASSY 24

- 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..... STATUS 3/14/05 2A



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

- APPLY RTV, D06-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").
- TRANSFER RTV TO AN 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

• WIRE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (40 C).

• RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

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

CLEAR Defect Report #2452 for 8 wires

ME/psm 2-25-05

*3-14-05 72 11 pot Crips
w/rel ten and length*



WORK CELL: 4 MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

FN# LAT-DS-02830-01
CABLE, TPS I/P PWR

WO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SQ#
PQ# 0000046803

STRT PS
QTY 10
PROJECT# F17300
CUST# 15356

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



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: SLD-C ASSY-7

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

DRR#(S)

- * ROUTE FOR WO CLOSURE AND NEXT ASSY - LAT-DS-02389.

DATE	QTY	REMARKS	STATUS
3/17/05	2		



WORK ORDER : 112043

(NRW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02830-01
WO QUANTITY : 19
WIP LOCATION: WO2

BY LINE ITEM

EFFECTIVITY DATE: 02-08-06
RELEASE DATE : 02-01-05
DATE PRINTED : 02-09-05

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STAT	STATUS				LOT #	LOT QUANTITY	LOT DATE	BIN
1	206500 CONN (311P47-2P-B-15) ORIGINAL QUANTITY...	EA	1.00	RSVD	19.00		SKCF2 FN-1		0.00			

The following parts have been defined as alternates for 206500-1:
Line 1-1 311P47-2P-B-15 1 PER

Partial quantity replacements are allowed.

107# 114944

2	M22759/11-24-2/S WIRE 26AWG 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	
---	--	----	-------	------	--------	--------	---------------	--------	--------	----------	---------	--

The following parts have been defined as alternates for 204370-8:
Line 3-1 G08P1 1 PER

Partial quantity replacements are allowed.

4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	RSVD	19.00		SKCF2 REQUIREMENT SHOWS ON LAT 09-0008. APPLY HERE. PULLED.		0.00			
---	--	----	------	------	-------	--	--	--	------	--	--	--

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 1171	TEST DATE
CONTACT PN:	201370-8	3-16-05
WIRE PN:	M33159/11-01-2/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M33530 12-01 (GTC-A 1014)	1170 43
DIE/LOCATOR PN (GTC Tool #):	M33530 12-01 (GTC-A 831)	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:	17.0	17.5	17.4
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):

DEFECT RECORD REPORT

ID 29547

PART NUMBER: LAT-DS-02930-01

INSPECTION TYPE: CRIMPING

ONE SOLDER: 20

WORK ORDER: 112063

INSPECTION LEVEL: 1

ONE ASSEMBLY: 80

SALES ORDER: F17300

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	PIN NOTES
NA	2	1970	A316	A316	4-MIXED	WIRES	Twisted wires Red/white
NA	6	1970	A355	A355	4-MIXED	WIRES	Twisted wires Red/white

WORK CELL: 1-BIO RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

4421/PN# LAT-DS-01481
V, GLAST, DAG, TEM

NO# 113112
REQ DATE 04-29-05
REF DATE 04-29-05
JOB# F17003
JOB# 0300048799

CUST #
QTY
PROJECT# F17200
CUST# 15366

PAGE 2

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



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

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

GTC PO# 32131 EXP. DATE 10-1-05
 LOT #18: (PT A) 159 32775 (PT B) 32775
 MIX RECORD (PART A MGMT) 159 (PART B MGMT) 19

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



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

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

LAT-DS-01646 CT 121 GLAT 1772
 GLAT 1810 CT 121 - LAT-DS-01481

DATE	QTY	REMARKS	STATUS
5/16/05	1	INSTALL	IP



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

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

TORQUE TOOL = WTC-E-951 1/2
 GTC-D-244 CAL DUE DATE 8-05

DATE	QTY	REMARKS	STATUS
5/16/05	1	TORQUE 90 IN. OZ	IP
5/16/05	1	WITNESS TORQUE	IP



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

ASSY/PN: LAT-DS-01491
Y, GLAST DAQ, TEM

WOB 113122
RPO DATE 01-29-05
RPU DATE 01-01-05
SOP 7:20:00
PC# 0000048799

COST #
QTY
PROJECT# P17200
CUST# 19359

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



6 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0100
STAKE BOLT HEADS.

* PROCESS ASSY PER CAA STEP 6.

* RECORD MATERIAL DATA BELOW 3/14/03

ADHSV 0161: GTC PO# 0191 EXPIRATION DATE 01-31-07

CURE DATE/TIME: START- 10:30am STOP- 12:30

DATE: 5/16/05 QTY: 1 REMARKS: _____ STATUS: 190



7 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0100
ASSY MARKING

* PROCESS ASSY PER CAA STEP 7.

* RECORD MATERIAL DATA BELOW:

INK 50-100R, GTC PO# 3/201 EXPIRATION DATE 4-27-07

LOT # (PT A): 200409230033

LOT # (PT B): 200407020071

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

MARKING DATE/TIME: 5-16-05 10:30

CURE OCCURS AT STAKING STEP 13.

DATE: 5-16-05 QTY: 1 REMARKS: _____ STATUS: 190



8 210 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
SPE 5LDR-0 ASSY-107

* PROCESS ASSY PER CAA STEP 8.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE: 5/16/05 QTY: 1 REMARKS: _____ STATUS: 190

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

WBY/TNS LAT-05-01461
V, CLAST, DAG, TEN

MO# 111112
REV DATE 01-28-05
REV DATE 01-28-05
SOP 57200
PO# 000048790

CUST P#
PROJECT# P17210
QTY 1
CART# 18355

LT# DEPT MACH# QP# DESCRIPTION SET-UP HOURS
MIN-MACH ST-100



9 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE BOX ASSY

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

DATE	QTY	REMARKS	STATUS
5-16-05	1		



10 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL LID

- * PROCESS ASSY PER CAA STEP 10.

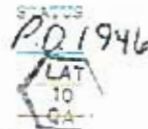
DATE	QTY	REMARKS	STATUS
5-16-05	1		P.O. 1946



11 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
TORQUE FASTENERS

- * 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 8-05

DATE	QTY	REMARKS	STATUS
5-16-05	1		P.O. 1946
5-16-05	1	pc	



12 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DEF: 5109-0 ASSY-91

- * PROCESS ASSY PER CAA STEP 12
- RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE	QTY	REMARKS	STATUS
5-17-05	1		



WORK CELL: 1-BIG KIDDER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 8

ASSY/PN# LAT-05 01281
BY GLAST, DAQ, TEM

WOT 113144
REQ DATE 01-29-05
REL DATE 01-01-05
SC# F12300
PO# 0000048755

CUST #
QTY 1
PROJECT# F17201
CUST# 15356

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



13 207 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS

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

ADMSY 113144 QTC FOR 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME START 5-17/8:15 AM STOP 10:15 AM

DATE	QTY	REMARKS	STATUS
5-17-05	1	cured @ 120°F	PD 1946



14 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0100
CPE: SLDR-0 ASSY-37

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

DATE	QTY	REMARKS	STATUS
5/17/05	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
5-20-05	1	GLAT 1810	



***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: _____ FOR ASSY REV: _____ DATE: _____
 REVISION: _____
 ASBY CRG CRD _____
 REV BY DATE CHANGE DETAIL _____
 51 GLM 011102 RELEASED AT REV 04. ADD CAA AT REV 5.

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

ASSEMBLY # LAT-DS-01481
WO QUANTITY 1
WIP LOCATION: WCZ

BY LINE ITEM

EFFECTIVITY DATE: 14-06-00
RELEASE DATE: 1 01-01-18
DATE PRINTED: 1 01-07-18

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UNIT	REQUIRED QUANTITY	CURS STATUS	STAT QUANTITY	REQUIREMENTS	RECV IN LOT #	INVLDC NUMBER	LOT NUMBER	INVENTORY DATA	QTY	DATE	LOC	QTY
1	LAT-DS-01554 TEM BOX BASE ORIGINAL QUANTITY	EA	1.00					SK2 FN 1			0.00			
			1.00					PULLED						
				SO	1.00			SKCF2	120298		10.00	12-16-04	SLAC	
								PULLED						
2	LAT-DS-00555 TEM BOX LID ORIGINAL QUANTITY	EA	1.00					SK2 FN 1			0.00			
			1.00					PULLED						
				SO	1.00			SKCF2	120297		10.00	12-16-04	SLAC	
								PULLED						
3	LAT-DS-01649 CLA. GLASS TEM ORIGINAL QUANTITY	EA	1.00					SK4 FN 3			0.00			
			1.00					PULLED						
				SO	1.00			SKCF2						
								PULLED						
4	NAS1332N03L84 HARDWARE ORIGINAL QUANTITY	EA	26.00					SK3 FN 4			0.00			
			26.00					PULLED						
				RSVD	26.00	114891		SKCF2	114891		570.00	09-23-04		
								PULLED						
5	NAS1332N04-G SCREW ORIGINAL QUANTITY	EA	28.00					SK2 FN 6			0.00			
			28.00					PULLED						
				RSVD	28.00	115012		SKCF2	115012		710.00	07-27-04	IN ASSY	
								PULLED						
									114890		481.00	09-23-04	LOT 119	
								PULLED						
									128281		400.00	04-13-08		
								PULLED						
6	NAS1332N3-6 HARDWARE ORIGINAL QUANTITY	EA	1.00					SK2 FN 6			0.00			
			1.00					PULLED						
				RSVD	1.00	114893		SKCF2	114893		01.00	09-23-04		
								PULLED						
7	CL 1545 SCREW ORIGINAL QUANTITY	EA	1.00					SK2 FN 7			0.00			
			1.00					PULLED						
				SO	1.00			SKCF2			1.00			
								PULLED						

WORK CELL: 4-MIXED

CUSTOMER: SLAC

116

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

V/DW: LAI-06-01646
GLAST, TEM

W# 112021
R#0 DATE 02-03-05
C#0 DATE 02-01-05
PC# 0000049795

CUST Q#
QTY 1
PROJECT# 2-7200
CUST# 15350

PAGE 1

SERIAL NUMBER ----- APPROVAL:-----
G-T121 FROM 24/2/05
GCAT 1772 ON 27/2/05

WORKMANSHIP:-----
IPC/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.

-glt 02.02.05-----

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



1 201 00 CONFIG RECORD/KITTING 3 0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
ASSY DWG: LAI-DWG-01646 REV 00/PL 0001 OUTSTANDING EC'S
BOM PL: LAI-BOM-001646 REV 00/PL 0001 NONE
CUST SOW: LAI-SOW-001646 REV 00/PL 0001 NONE
ASSY AID: LAI-DSG-01646 REV 00/PL 0001 NONE
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
USE WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*(REV'D/REP'D BY: GW (DATE)DATE: 02.02.05

DATE.... QTY REMARKS..... STATUS
27/05 _____ [Signature]



2 201 00 STOCKROOM/KITTING AREA 2.0000 0.0000 0.0000

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

DATE.... QTY REMARKS..... STATUS
27/05 _____ [Signature]



WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE PRODUCTION

WORK ORDER TRAVELLER - NEW

W/P# 141-ES-01646
GLAST. TEM

WOT 122021
REQ DATE 02-03-05
REL DATE 12-21-04
PO# 0000048799

CUST #
QTY 1
PROJECT# P17270
CUST# 15356

PAGE 3

LINE DEPT MACHY OFF DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH SC-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	1		OK 1648



4 213 03 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 1648
2-7-05		OUT	OK



6 213 00 SMT ASSY LINE 0.0300 0.0300 0.0300
SOLDER PASTE STENCIL
ONLY TOP SIDE GETS PARTS

* PROCESS PER CAA STEP 5

* RECORD SOLDER PASTE DATA BELOW

LOT # 31723 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2/1/05	1	Solder Bond (solder Paste)	OK 1546

- U58 = .0002
- U52 = .0004
- U57 = .0008
- U304 = .0001
- U361 = .0002
- R347 = .0007
- U55 = .0003
- U56 = .0004

Measurements taken by
WLR 1/3/05
2/10/05

U58 = .0516
Avg = .0004
Range = .0006

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

W/P# LAT-DS-01645
GLAST, TEM

W# 112021
R#0 DATE 02-03-03
R#1 DATE 12-21-04
S#
P# 0000246799

JUST PR
QTY 1
PROJECT# 117200
CUST# 15355

LINE DEPT MACHINE OPER DESCRIPTION..... R O U R 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 6:

* RECORD SERIAL NUMBERS OF LISTED ASIC DEVICES:

FN-19 US 1760 U4 1802 US 1767 US 1771
FN-23 US4 1655 US5 1827 US6 1656 US7 1831
US8 1654 US9 1628 US0 1633 US1 1756

DATE.... QTY... REMARKS..... STATUS
2-10-05 1 Te-H PF



7 213 00 SMT ASSY LINE 0.5000 0.5000 0.5000
SOLDER REFLOW

* PROCESS PER CAA STEP 7:

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

DATE.... QTY... REMARKS..... STATUS
2-10-05 1 PF



8 213 00 SMT ASSY LINE 0.1000 0.1000 0.1000
AQUEOUS CLEAN

* PROCESS PER CAA STEP 8:

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

DATE.... QTY... REMARKS..... STATUS
2-10-05 1 PF

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

V/ENR LAT-DS-01648
GLAST, TEM

WORK NO: 112021
START DATE: 03-03-05
END DATE: 12-21-04
PCN: 0000048799

CUST P#: 1
QTY: 1
PROJECT: 117200
CUST: 102300

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



9 290 00 QUALITY ASSURANCE AREA 0.4400 0.4400 0.4400
OP# SLDR-4163 ASSY-8201

* PROCESS PER CAA STEP 9.

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

OP# 9: ID# 29684

DATE: 2/26/05 QTY: 1 REMARKS: Post Reflow

STATUS
OK



10 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
PRE-WAVE SARGOUT

* PROCESS PER CAA STEP 10.

WAVE DATE: 3/14/05 START: 8:10 STOP: 10:10

DATE: 3/14/05 QTY: 1 REMARKS: 120c

STATUS
me 1337



11 210 00 OCA/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 # WTC-A-976 CAL DUE DATE 8/8/05

DATE: 3/14/05 QTY: 1 REMARKS:

STATUS
me 1337



12 210 00 WAVESOLDER 0.0000 0.0000 0.0000
WAVE SOLDER

* PROCESS PER CAA STEP 12.

DATE: 3-14-05 QTY: 1 REMARKS: Good Flow
3-14-05 1

STATUS
me 1337
RS

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WV/P# LAT-DS-01646
GLAST. TEM

WO# 112021
REQ DATE 02-03-05
REL DATE 12-21-04
SOT
PC# 0000048749

CUST #
PROJ#
CUST#

PAGE 5

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



13 215 00 NAVESOLDER
ACQUROS CLEAN 3.2000 0.2000 0.2000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
3-14-05	1		ml



14 200 00 QUALITY ASSURANCE AREA
SPE: SLAC-000 ASSY-02 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14.

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

DEF#(P) 30072

DATE	QTY	REMARKS	STATUS
3/16/05	1		



210 00 CCA/BLACK BOX ASSY AREA
TOOCRUP 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
3/16/05	1		me 1337
	2		



211 00 CCA/BLACK BOX ASSY AREA
AUCR01/02 CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
3/16/05	1		me 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

YENS CAT DS 01246
GLASC. TEM

NO# 112021
REQ DATE 04-03-05
REQ DATE 12-21-04
SCH#
PO# 0000048799

CUST PO
PROJECT#
CUST#

123200
123200

LINE REPT MACH# OP# DESCRIPTION..... K O U R S
SET-UP RIN... LINE-MACH ST-LOT



17 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP: SLD-200 ASSY-1

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

DEF#(S)

DATE	QTY	REMARKS	STATUS
3/16/05	1		OK



18 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-FPGA8

* PROCESS PER CAA STEP 18.
ADHESIVE PO# 51450 EXP. DATE 5/17/05
FPGA SERIAL # 5-045 40333 U42 30043

DATE	QTY	REMARKS	STATUS
5/16/05	1		OK



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

* PROCESS PER CAA STEP 19
DATE 3/7/05 QTY 1 STATUS OK 1337



20 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-D1, D4, D8

* PROCESS PER CAA STEP 20
DATE 3/17/05 QTY 1 STATUS OK 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

Y/ENR LAT:DS-01646
GLAST. TIM

WO# 112021
REQ DATE 02-03-05
REL DATE 12-31-04
SQ#
PO# 0000248799

INST P#
QTY
PROJECT# 217200
CUST# 18356

LINE DEPT MACH# OP# DESCRIPTION..... EST-UT RUN... LINE-MACH ST-LOT.



21 210 00 CCA/BLACK BOX ASSY AREA
POST WAVE ASSY-R1, R2 0 0000 0 0000 0 0000

* PROCESS PER CAA STEP 21.

DATE	QTY	REMARKS	STATUS
3/17/05	1		we 1337



22 210 00 CCA/BLACK BOX ASSY AREA
ALCOHOL/DI CLEAN 0 0000 0 0000 0 0000

* PROCESS PER CAA STEP 22.

DATE	QTY	REMARKS	STATUS
3/17/05	1		we 1337



23 230 00 QUALITY ASSURANCE AREA
OP#-SLAC-217 ASSY-236 0 2000 0 2010 0 2000

* PROCESS PER CAA STEP 23.

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

DRR#(S): 30103

DATE	QTY	REMARKS	STATUS
3/17/05	1		we 1337



24 230 00 SREA TEST
SREA TEST 0 9000 0 9100 0 9000

* PROCESS PER CAA STEP 24.

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

DRR#(S)

DATE	QTY	REMARKS	STATUS
03/17/05	1	SV: GT 121	failed

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

Y/PN# LAT-35-01046
GLAST, TEM

WOB 112221
REQ DATE 02-22-05
REL DATE 11-21-04
SOP
POR 000006799

PAGE 2
CUST #
PROJECT# 417200
CUST# 16386

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



25 210 00 CCA/BLACK BOX ASSY AREA 13.8300 14.8300 13.8300
INSTANT CONNECTOR-SOLDER
SLDR-CONN J1-ROW 1-CHECK *no 1337 3/18/05*
SLDR-CONN J1-ROW 2-CHECK *no 1337 3/18/05*
SLDR-CONN J1-ROW 3-CHECK *no 1337 3/18/05*
SLDR-CONN J1-ROW 4-CHECK *no 1337 3/18/05*

3/18/05 Row (1)
3/18/05 Row (2)
3/18/05 Row (3)

* PROCESS PER CAA STEP 25.
* RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.
TOOL # *616-A492* CAL DUE DATE *6.05*

3/18/05 Row 4

DATE	QTY	REMARKS	STATUS
<i>3.19.05</i>	<i>1</i>	<i>Bridet installed</i>	<i>46-1944</i>



26 390 00 QUALITY ASSURANCE AREA 5.6600 5.6600 5.6600
OP# SLDR-334 ASSY-405

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

DATE	QTY	REMARKS	STATUS
<i>3/19/05</i>	<i>1</i>	<i>Inspected only Bridet (5)</i>	<i>46-1944</i>

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

TY/FIN# LAT-DS-01846
GLAST, TEM

WOB 112021
REQ DATE 02-03-05
REL DATE 12-21-04
COST# 0000048739

CUST ID#
PROJECT# 1
COST# 157207
15330

PAGE 4

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



27 250 00 COATING/POTTING AREA
POTTING/STAKING 0.6000 0.6000 0.6000

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

STY DC6-1104, GTC PC# 31695 EXPIRATION DATE 7-10-2005
 ADHSV 0111, GTC PC# 31403 EXPIRATION DATE 01-31-2007

0181: AGGRESSIVE MIX RECORD (RECORD PER BATCH)

	BATCH #1	BATCH #2	BATCH #3	BATCH #4
RESIN WGT:	<u>11.0</u>			
HARDENER WGT:	<u>59.7</u>			

CURE DATE: 3-19-05 START: 11:00 AM STOP: 1:00 PM

DATE	QTY	REMARKS	STATUS
<u>3-19-05</u>	<u>1</u>	<u>GTC - 121</u>	<u>91862018</u>



28 250 00 QUALITY ASSURANCE AREA
OPS: SLDR-0 ASSY-104 0.1000 0.1000 0.1000

- * PROCESS PER CAA STEP 28.
- * RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR#(S): 30155

DATE	QTY	REMARKS	STATUS
<u>3/21/05</u>	<u>1</u>		



29 250 00 SOURCE INSPECTION
MIP - SLAC QA INSPECTION
BEFORE SHIPMENT TO SLAC 0.0000 0.0000 0.1000

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

DATE	QTY	REMARKS	STATUS
<u>3-21-05</u>	<u>1</u>	<u>INSUFFICIENT STAKING</u>	
		<u>ADHS VEG. FN IC</u>	

LAT
10
QA 3-21-05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

TV/FN# LAT-DS-01848
BLANK, TEM

WOB# 112021
REQ DATE 02-03-05
SHIP DATE 12-21-04
JOB# 0000048799

CUST #
CITY
PROJECT# P17200
CUST# 18386

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



30 259 00 PACKAGING/SHIPPING INSP 0 0000 0.0000 0.0000
PACK & SHIP CCA

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
3-21-05	1		ICR



31 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CCA RECEIVING INSPECTION

* PROCESS PER CAA STEP 31.

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

DR#(S): _____

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

DATE	QTY	REMARKS	STATUS
3/9/05	1		ICR



32 240 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
SLAC GAR PRE-COAT INSP.
MANDATORY INSPECTION
POINT

* PROCESS PER CAA STEP 32

DATE	QTY	REMARKS	STATUS
5-9-07	1	PL GCAT 121 1772	ICR



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NFW

PAGE 11

V/PN# LAT-DR-01645
GLAST, TEM

WO# 112001
ISSUE DATE 10-01-05
REV# 10-21-04
COST# 0000048799

CUST # 1
PROJECT# 717000
COST# 15355

LI# DEPT MACH# CPM DESCRIPTION..... S/S/UP RUM... LINE-MACH ST-LOT



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

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

DATE	QTY	REMARKS	STATUS
5/10/05	1	S/N 121	ymm-163



34 210 00 QUALITY ASSURANCE AREA 1.0000 0.0000 0.0000
UPE. SLDR-0 ASSY-11

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

DR#(S) _____

DATE	QTY	REMARKS	STATUS
5/10/05	1		621



35 260 00 COATING/POTTING AREA 0.6000 0.6000 0.6000
MASK & CONFORMAL COATING

- PROCESS PER CAA STEP 35
- WEAR PROTECTIVE GLOVES WHEN HANDLING CCA •••

RECORD SANE DATE-TIME START/STOP BELOW:
SANE DATE: 5-11-05 START: 7:00 STOP: 9:30 AM

DATE	QTY	REMARKS	STATUS
5-11-05	1	Be.k.w.m.s.k.	H.W.

WORK CELL: 4 MIXED

CUSTOMER: FLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 12

V/PW# LAT-ES-01446
GLAST, TEM

WOB 112021
WHSO DATE 01-03-05
WHSO DATE 12-22-04
WOB#
PO# 0000048799

CUST ID
PROJECT# 1
COST# 15350

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



26 450 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
SPRAY CONFORMAL COAT

* PROCESS PER CAA STEP 34

CONFORMAL COAT MATERIAL FOR: 31201
EXP. DATE: 6/30/05

TAO (2) HOUR AIR CURE (BEFORE OVEN BAKE):

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

DATE... QTY... REMARKS... STATUS
5/10/05 1 Con T MJ



37 450 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
TOUCHUP / CURE-OVEN BAKE

* PROCESS PER CAA STEP 37:

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

TOUCHUP BAKE DATE: 5/11/05 START: 12:00 pm STOP: 1:00 pm

DATE... QTY... REMARKS... STATUS
5/11/05 1 DM
5/11/05 1 Touchup / unmask SFB

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ATTN/FN: LAT DS-01481
GLAST, TEM

WOB# 112021
BEO DATE 02-03-05
REL DATE 12-21-04
JOB# 0000046799

CUST PA
CITY 1
PROJECT# 117200
CUST# 15056

PAGE 13

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



29 290 00 QUALITY ASSURANCE AREA 0.5000 0.5000 0.5000
OFA: SLDR-0 ASSY-95

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

DRAW#(S) 31534

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

- MATERIAL CERTIFICATIONS
- SPEX TEST DEFECT REPORTS
- INSPECTION DEFECT REPORTS
- NON-COMFORMANCE REPORTS
- FORM STD-125 (POC REV RECORD)
- NO. LOTS REPORT
- DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
5/12/05	1		QTR



29 260 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CET

- PROCESS PER CAA STEP 10
- NOTE: NPTX ASSEMBLY IS LAT-DS-01481.
- ** PLEASE RETURN INSPECTED CCA TO QA UPON COMPLETION **

DATE	QTY	REMARKS	STATUS
3/12/05	1	ADVISED C.C.	
		PERSONNEL ABOUT	
		EXCESSIVE BUILD UP WHEN	



TOUCHING UP.

ASSEMBLY # : LAT-DS-01646
QTY QUANTITY : 1
ORG LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 01-03-06
RELEASE DATE : 12-21-04
DATE PRINTED : 07-04-05

1 PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVL00	LOT NUMBER	INVENTORY DETAIL			
					QUANTITY	STAT				LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC
1	LAT-DS-01649 PWR. TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	120259	120259	SKCF2 FN-D1	120259	1.00	09-11-07		1 ✓
2	LAT-DS-01024 PLATE, COND. TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114784	114784	SKCF2 FN-D4	114784	1.00	06-19-07		1 ✓
3	LAT-DS-01031 PIN CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114785	114785	SKCF2 FN-D7	114785	4.00	06-19-07		2 ✓
4	NAS1352N12-2 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114786	114786	SKCF2 FN-D3	114786	104.00	09-23-04		26 ✓
5	LAT-DS-01552 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114787	114787	SKCF2 FN-D5	114787	4.00	09-23-04		2 ✓
6	MS1357-13 SCREW, PHD, 4-40 X ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	93945	93945	SKCF2 FN-D10	93945	257.00	11-24-03	CIF	2 ✓
									114788	75.00	09-23-04		
7	NAS670-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00	114789	114789	SKCF2 FN-D2	114789	168.00	09-23-04		52 ✓
8	MS14471-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114790	114790	SKCF2 FN-D6	114790	16.00	09-23-04		4 ✓
9	NAS671-C2 WASHER ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114791	114791	SKCF2 FN-D4	114791	78.00	09-23-04		26 ✓
10	LAT-DS-02584 ASSEMBLY, CABLE COND. TEM ORIGINAL QUANTITY...	EA	1.00	BO	1.00			SKCF2 FN-D9	125 J1	0.00			0 ✓
11	0151 ADHESIVE, HYPOC 40C W/3 ORIGINAL QUANTITY...	OE	1.00	BO	1.00			SKCF2 FN-D11		0.00			0 ✓
14	CV-1246 KIT, NUTS TECH ORIGINAL QUANTITY...	OE	1.00	BO	1.00			SKCF2 FN-D12		0.00			0 ✓
13	5750 CONFORMAL COATING URETHANE ORIGINAL QUANTITY...	OE	1.00	BO	1.00			SKCF2 FN-D13		0.00			0 ✓

ASSEMBLY # : LAT-DS 01646
WO QUANTITY : 1
WO LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 01-03-05
RELEASE DATE : 12-21-04
DATE PRINTED : 01-04-05

FILLED:

FILLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURS STATUS	REQUIREMENTS STAT QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL	LOT QUANTITY	LOT DATE	SN	SN QUANTITY
14	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	Q2	1.00	RS	1.00		SKCP2 FN-D14			0.00			
			1.00				FILLED:						0-2
15	0W11FH10SKDB CAPACITOR ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120284	SKCP2 FN-D14	130284					
			36.00				FILLED:						36-
16	0W11FH475KDB CAPACITOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	120285	SKCP2 FN-D14	130285		1955.00	12-16-04		
			2.00				FILLED:						2-
17	0W11BK473AKUS CAPACITOR ORIGINAL QUANTITY...	EA	53.00	RSVD	53.00	114799	SKCP2	114799		1934.00	03-23-04		
			53.00				FILLED:						53-
							FILLED:			353.00	09-27-04		
18	0W09FC476KDB CAPACITOR ORIGINAL QUANTITY...	EA	49.00	RSVD	49.00	114800	SKCP2	114800					
			49.00				FILLED:						49-
19	0W11BK472BKUS CAPACITOR ORIGINAL QUANTITY...	EA	249.00	RSVD	249.00	114801	SKCP2	114801		771.00	09-24-04		
			249.00				FILLED:						249-
20	12105561W261VNTM CAPACITOR ORIGINAL QUANTITY...	EA	16.00	RSVD	16.00	114802	SKCP2	114802					
			16.00				FILLED:						16-
21	MCR-1051-151 CONNECTOR ORIGINAL QUANTITY...	EA	9.00	RSVD	9.00	114803	SKCP2	114803		20.00	09-23-04		
			9.00				FILLED:						9-
22	MCR-1059-151 CONNECTOR ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114804	SKCP2	114804		12.00	09-23-04		
			4.00				FILLED:						4-
23	8962-875934061A 150MM WIRE BONDING ORIGINAL QUANTITY...	EA	3.00	RSVD	3.00	114805	SKCP2	114805		9.00	09-23-04		
			3.00				FILLED:						3-
24	JANTXV1N4153UR-1 DIODE ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114806	SKCP2	114806		6.00	09-23-04		
			2.00				FILLED:						2-
							FILLED:			252.00	09-27-04		

ASSEMBLY # : LAT-DS-01646
NO QUANTITY : 1
*** LOCATION: 402

BY LINE ITEM

EFFECTIVITY DATE: 02-03-08
RELEASE DATE : 13-11-04
DATE PRINTED : 02-04-08

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		BIN
									QUANTITY	LOT LIFE	
25	SMD050 FUSE RAYCHEM/POLYSWICH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114807	SKCPS FN-12	114807 P3 P4 P6 P8 PULLED:	32.00	09-23-04	44
26	SMD075 ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114926	SKCPS FN-13	114926 P1 P2 P3 P4 P5 PULLED:	32.00	09-24-04	44
27	MAX145A2UA IC ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120286	SKCPS FN-14	120286 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 PULLED:	73.00	12-16-04	34
28	MAX5121AEE IC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114810	SKCPS FN-16	114810 U1 U2 PULLED:	12.00	09-23-04	2
29	LAT-DS-03899 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCPS FN-17	U5 PULLED:	0.00		0
30	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCPS FN-18	U6 PULLED:	0.00		0
31	LAT-DS-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114813	SKCPS FN-19	114813 U3 U4 U5 U6 PULLED:	14.00	09-23-04	4
32	5942R954E101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114814	SKCPS FN-20	114814 U63 PULLED:	18.00	09-23-04	DRY-10
33	5942R9552080YC IC ORIGINAL QUANTITY...	EA	5.00	SO	5.00		SKCPS FN-22	U46 U47 U48 U53 U54 PULLED:	0.00		0
34	LAT-DS-01812 IC ORIGINAL QUANTITY...	EA	5.00	RSVD	5.00	114816	SKCPS FN-23	114816 U54 U55 U56 U57 U58 U59 U60 U61 PULLED:	38.00	09-23-04	8
35	5070000000 THICK FILM CAPAC ORIGINAL QUANTITY...	EA	151.00	RSVD	151.00	114817	SKCPS FN-24	114817 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 U46 U47 U48 U49 U50 U51 U52 U53 U54 U55 U56 U57 U58 U59 U60 U61 U62 U63 U64 U65 U66 U67 U68 U69 U70 U71 U72 U73 U74 U75 U76 U77 U78 U79 U80 U81 U82 U83 U84 U85 U86 U87 U88 U89 U90 U91 U92 U93 U94 U95 U96 U97 U98 U99 U100 PULLED:	151.00		151
36	MS5612K068100R RESISTOR,CHIP,100M,1% CH ORIGINAL QUANTITY...	EA	55.00	RSVD	55.00	114818	SKCPS FN-25	114818 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 U46 U47 U48 U49 U50 U51 U52 U53 U54 U55 U56 U57 U58 U59 U60 U61 U62 U63 U64 U65 U66 U67 U68 U69 U70 U71 U72 U73 U74 U75 U76 U77 U78 U79 U80 U81 U82 U83 U84 U85 U86 U87 U88 U89 U90 U91 U92 U93 U94 U95 U96 U97 U98 U99 U100 PULLED:	55.00		55

ASSEMBLY # : LAC-D3-01046
QC PARTIALITY : 1
WIP LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-08
REPLACEMENT DATE: 02-21-08
DATE PRINTED: 02-04-08

E PULLED:

PULLED BY:

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN LOT #	INVLOC NUMBER	LOT	QUANTITY	DATE	BIN	BINLOC QUANTITY
37	M55342K06B100R RESISTOR,CHIP,100W,1M OHM ORIGINAL QUANTITY...	EA	2.00	RSVD		2.00	114819	SKC72 FN-28	114819 R100 1M 75	656.00	09-23-04	2
			2.00					114977 FN-28	R100 1M 75	217.00	09-27-04	
38	M55342K09B100R RESISTOR,CHIP,100W,100 OHM ORIGINAL QUANTITY...	EA	2.00	RSVD		2.00	114820	SKC72 FN-32	114820 R100 100 66	102.00	09-23-04	2
			2.00					114828 FN-32	R100 100 66	212.00	09-27-04	
39	M55342K06B220R RESISTOR ORIGINAL QUANTITY...	EA	205.00	RSVD		205.00	114821	SKC72 FN-28	114821 R100 220 75	1655.00	09-23-04	205
			205.00					114822 FN-28	R100 220 75	1655.00	09-27-04	
40	M55342K06B100R RESISTOR,CHIP,100W,100 OHM ORIGINAL QUANTITY...	EA	60.00	RSVD		60.00	114822	SKC72 FN-28	114822 R100 100 75	480.00	09-23-04	60
			60.00					114823 FN-28	R100 100 75	480.00	09-27-04	
41	M55342K06B100R RESISTOR,CHIP,100W,100 OHM ORIGINAL QUANTITY...	EA	50.00	RSVD		50.00	114823	SKC72 FN-28	114823 R100 100 75	400.00	09-23-04	50
			50.00					114824 FN-28	R100 100 75	400.00	09-27-04	
42	M55342K06B220R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD		2.00	114824	SKC72 FN-28	114824 R100 220 75	16.00	09-23-04	2
			2.00					114825 FN-28	R100 220 75	16.00	09-27-04	
43	M55342K06B470R RESISTOR,CHIP,100W,470 OHM ORIGINAL QUANTITY...	EA	2.00	RSVD		2.00	114825	SKC72 FN-28	114825 R100 470 75	16.00	09-23-04	2
			2.00					114826 FN-28	R100 470 75	16.00	09-27-04	
44	M55342K06B100Y0C RESISTOR,CHIP,100W,100 OHM ORIGINAL QUANTITY...	EA	4.00	RSVD		4.00	114826	SKC72 FN-28	114826 R100 100 75	32.00	09-23-04	4
			4.00					114827 FN-28	R100 100 75	32.00	09-27-04	
45	M55342K06B470Y0C RESISTOR,CHIP,100W,470 OHM ORIGINAL QUANTITY...	EA	4.00	RSVD		4.00	114827	SKC72 FN-28	114827 R100 470 75	32.00	09-23-04	4
			4.00					114828 FN-28	R100 470 75	32.00	09-27-04	

E PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	LOT INVLOC NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS			QUANTITY	LOT QUANTITY	LOT DATE	SIN BINLOC QUANTITY
46	M55142X199B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	1.00 114929	SKCT2 114928 FN-27 R191 R191 PULLED: SKCT2 114929 FN-27 R191 R191 PULLED:	51.00 09-23-04			<i>D</i>
47	M55142X069B5E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114930	SKCT2 114929 FN-30 R142 R142 PULLED: SKCT2 114930 FN-30 R142 R142 PULLED:	206.00 09-23-04			<i>D</i>
48	M55142X049R1CE0R RESISTOR, CRIP, 100W, 10K Ω ORIGINAL QUANTITY...	EA	23.00	RSVD	23.00 114930	SKCT2 114930 FN-31 R145 R145 PULLED: SKCT2 114931 FN-31 R145 R145 PULLED: SKCT2 114932 FN-31 R145 R145 PULLED:	724.00 09-23-04 557.00 09-27-04 88.00 09-27-04			<i>D</i>

CCA PIN: LAT-DS-01646 GLAT 1772 GT121

W.O. #: 112021

CC Tech: HN (Initial / Employee #)

Date: 5/10/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

Lot Number: AK4G88013A Expiration Date: 6/30/05

MIX RATIOS: 18PBW ^{5750A} ~~FO-T~~ TO 100PBW 5750-B

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

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

DEFECT RECORD REPORT

ID 31594

PART NUMBER: LA1DS 01646

WORK ORDER: 117021

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: COATING

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 0

OFF ASSEMBLY: 95

DATE: 5/12/2005

WEEK CODE: 21

SERIAL NO QUANTITY OPERATOR DEFECT CODE WORKCELL DEFECT DESCRIPTION REF DES PIN NOTES

GT121 1 1691 A308 1-BIG RUNNER MISSING COATING / POTTING / BONDING

for 5-12-05


5/12/05

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	4-18-05	G. HEFKIN	4-18-05	K. BERGTHOLDT	4-18-05	P. LUJAN	4-19-05
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	SLAC SOURCE	DATE
		SVP		ETL			4-19-05

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers. TEM LAT-DS-01646 SN GT- <u>121</u> GLAT-_____	me 1337	5/4/05	
2	OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. NO SOLDER BALLS ALLOWED.	me 1337	5/4/05	
3	AQUEOUS CLEAN USING RECIPE #3	me 1337	5/4/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	me 1337	5/4/05	
5	SOURCE INSPECTION		5/9/05	



DEFECT RECORD REPORT

ID: 296314
 PART NUMBER: LAT DS-01646
 WORK ORDER: 112021
 SALES ORDER: F17200
 QUANTITY: 1 RW QTY: 1
 CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW
 INSPECTION LEVEL: 1
 INSPECTOR: VANDEVER

OFE SOLDER: 4163
 OFE ASSEMBLY: 5203
 DATE: 2/26/2005
 WEEK CODE: 10

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
✓ GT121	1	SMT	A301		MIS ORIENTATION	U11	
✓ GT121	1		A366		COMP MOUNTED WRONG SIDE UP	R451	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U57	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U8	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U3	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U54	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U61	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U60	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U58	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U56	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U4	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U59	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U5	
✓ GT121	1		S402		INSUFFICIENT SOLDER	U59	
✓ GT121	1		S413		BRIDGING	U5	

1537
 3/11/05
 3/11/05

DEFECT RECORD REPORT

ID: 30155

PART NUMBER: LATDS-01646

WORK ORDER: 112024

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POTTING

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 0

OFF ASSEMBLY: 104

DATE: 2/21/2005

WEEK CODE: 14

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
121	1	2018	A308		MISSING COATING / POTTING / BONDING	JT0	104 3-21-05



3/21/05

DEFECT RECORD REPORT

ID: 30103

PART NUMBER: LAT-DS-01646

INSPECTION TYPE: HAND SOLDER

OFF. SOLDER: 217

WORK ORDER: 112021

INSPECTION LEVEL: 1

OFF. ASSEMBLY: 236

SALES ORDER: F17200

INSPECTOR: EMARTINEZ

DATE: 2/17/2005

QUANTITY: 1 RWQTY: 1

WEEK CODE: 13

CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT121	1	1337	A341		COPLANARITY / LEAD NOT SEATED PROPE	U45	
GT121	1	1337	A342		> 25% OVERHANG	R2	
GT121	1	1337	S406		EXCESS SOLDER	U62	
GT121	1	1337	S406		EXCESS SOLDER	U45	


*20/01/05
1337
200*

3/17/05

DEFECT RECORD REPORT

ID: 30072
 PART NUMBER: LAT-DS-01646
 WORK ORDER: 112021
 SALES ORDER: F17200
 INSPECTION TYPE: 1ST SOLDER INSPECTIO
 INSPECTION LEVEL: 1
 INSPECTOR: EMARTINEZ
 QUANTITY: 1 RWQTY: 1
 CUSTOMER: SLAC
 OFF SOLDER: 600
 OFF ASSEMBLY: 55
 DATE: 3/16/2005
 WEEK CODE: 13

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
121	1	652	S413		BRIDGING	JC1	
121	1	652	S413		BRIDGING	JT2	

1337
 3/16/05


WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

A7 FN# IAT-DS-02588
7 CABLE, CONN. TEM

WO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SC#
PC# 0030048799

CUST P#
QTY 19
PROJECT# F17200
COST# 15356

*SERIAL NUMBER LISTING:*****

APPROVAL: *[Signature]*
PROD *[Signature]* 2/4/05
QA *[Signature]* 2.4.05

N/A

*****WORKMANSHIP*****

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

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

(wchdr rev 05.19.04 glh)

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



1 200 00 CONFIG RECORD/ALTTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
 DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
 ASSY & PL: IAT-DS-02588 51 NONE
 TEST SPEC: N/A
 ASSY AID: N/A
 CUSTOMER NAME: SLAC
 ***** BUILD DOCUMENTS *****
 USE... TRAVELER AND DRAWING
 *(REV'D)/PREP'D BY: GH (DATE)DATE: 02.02.05

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

2/4/05 _____ *[Signature]*



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

V/PN# LAT-DS-02588
SY. CADLE, CONN, TEM

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15358

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
2/10/05	19		

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER: TRAVELLER - NEW

PAGE 3

Step 1-4
1337
4/26/05
move to start p33A
Jethel

1/PNS LAT-DG-02588
CABLE CONN. TEM

NO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SOS
POS 0000048793

CUST #
QTY 19
PROJECT# P17200
CUST# 15355

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



3 220 00 CABLE/HARNASS ASSY AREA 0.0000 0.0000 0.0000
CUT WIRE, STRIP WIRE,
CRIMP PIN CONTACTS,
TIN LEADS.

• CRIMP TEST SETUP - GTC-2081.
CUT 5 PIECES OF WIRE 6" TO 9" LONG, FOR PULL TESTS.
USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

• STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...
USE SCHEMATIC MECHANICAL WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 3/16" (0.1875")
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: 2/19/05 STATUS Pass

• ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG, 3/16" (0.1875").
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
 - CUT 5 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM #89
 - CUT 5 PIECES TO 1" (1.000") LONG. USE PROGRAM #90
- 4) STRIP SECOND END USING THERMAL TWEEZERS, 3/16".
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-05 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: 2/19/05 STATUS Pass

DATE	QTY	REMARKS	STATUS
2/19/05	8	3 7/8" (39) & 1 1/8" (39) @ 4 each	RM1970
3.10.05	8	1 5/8" (350) 1" (200) 1 1/16" (175)	H.G. #1941
3.11.05	8	1 1/8 strips	H.G. #1941

Equipment CHANGE: EUBANKS #Boggy 3-0-10
3/16" strip length to 1/4" (19)
2-8-05

Pass Crimp Tensile Strength Sheet attached

①②③④ - performed using S. 80
3/16" (19) ON EUBANKS

GTC-A-463
K42 - mm

3.11.05 8 5/16 strips H.G. #194

3.11.05 crimps 1 5/16 H.G. #194

3-0-05 MV 1742 1" str

3.17.05 turning H.G. #1941 1"

3.14.05 crimp/tin 1" (46) H.G. #

3.14.05 crimp/tin 1 1/8 (96) H.G. #

3.14.05 crimp/tin 1 1/8 (235) H.G. #

3.14.05 crimp/tin (26) 1" H.G. #1

- * pre-Asst crimp test 2.28.05 Pass H.G. #1941
- pre-Asst crimp test 3.10.05 Pass H.G. #1941
- u 3.2.05 Pass H.G. #1941
- u 3.3.05 Pass H.G. #1941
- no crimping on 3.4.05
- pre-Asst crimp test 3.5.05 Pass H.G. #1941
- u 3.7.05 Pass H.G. #1941
- pre-Asst crimp test 3.14.05 Pass H.G. #1941
- post-Asst crimp test 3.21.05 Pass H.G. #1941

See page 3A - continued
Jethel

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

1/27/05 LAT-DS-02588
7. CABLE, CONN. TEM

WOB 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SCH
PO# 0000048799

CUST P#
QTY 19
PROJECT# F17200
CUST# 15358

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: 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	OK
	4	1/8" 39 pieces	OK
3/4/05		(Redone)	OK



5 220 00 CABLE/HARNESS ASSY/WIRE 0.0000 0.0000 0.0000
OFF: SLDR-0 ASSY-73
INSERT CRIMP CONTACTS TO CONNECTOR

- * INSERT TERMINATED WIRES TO CONNECTOR.
- ** INSERT LONGER WIRES (1-5/16") INTO HOLE NUMBERS 1 THRU 59.
- ** INSERT SHORT WIRES (1/8") INTO HOLE NUMBERS 60 THRU 78.
- ** ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

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

strips, crimps & thin (OK) 3/4/05
2-23-05
Just 1/8" wires into 21 through 59
 20



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: SLDR-0 ASSY-73

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

DRR#(S)
ROUTE FOR W/O CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01645.

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

3-21-05 3 completed H-6 #19
 H-6 #1941
 H-6 #1941

WORK ORDER : 112026

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02588
NO QUANTITY : 15
LOCATION: W02

BY LINE ITEM

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

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLOC	LOT NUMBER	INVTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS	RESV IN QUANTITY			LOT 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	
<p>The following parts have been defined as alternates for 206504-1: LIS 1.1 311P407-SP-B-15 1 PER Partial quantity replacements are allowed.</p>											
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	
<p>The following parts have been defined as alternates for 204370-8: LIS 3.1 C08P1 1 PER Partial quantity replacements are allowed.</p>											
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	54.00	RSVD	1596.00	114796	SKCF2 FN-2	114796	1997.00	09-23-04	IN ASSY
							FN-2	115041	972.00	09-23-04	717200

A

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-930)	RHODA MARMON 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-81)	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):

1500

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.2	13.4	13.5
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}		✓ RN	✓ RN
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 #):	M22520/02-09 (GTC-A 831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MAF 200A (6.1704)	
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 2/15/05 TESTED BY STORA MARION WORK ORDER NO. 1102112026
CONTACT PN:		
WIRE PN:		
CRIMP TOOL PN (GTC Tool #):	(GTC-)	
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	
SELECTOR VALUE:		
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):			

1:10 PM.

CRIMP TENSILE STRENGTH

Lat-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	2.28.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1520)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 1531)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alperton MPF200A (6/18/05)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

8:45 a.m. **CRIMP TENSILE STRENGTH** Lot-15-02588

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-B	3.1.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (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 MPF 200A (6/24/04) 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-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE-PROD

POST-PROD

CRIMP OPERATOR NAME/EMP #:

Herbie Gray 127941

TEST DATE

3.3.05

CONTACT PN:

204370-8

WIRE PN:

M22799 / 11-24-9

TESTED BY

Herbie Gray

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC 831)

DIE/LOCATOR PN (GTC Tool #):

M22520 2-01 (GTC 831)

SELECTOR VALUE:

3

WORK ORDER NO.

112026

TEST EQUIP # (Last CAL date):

Aluminum MPF 200A (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
	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):

9:50 A.M.

CRIMP TENSILE STRENGTH Lat-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #:

Herbie Gray 1#1941

TEST DATE

3.5.05

CONTACT PN:

204370-8

WIRE PN:

M22759 / 11-24-9

TESTED BY

Herbie Gray

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC 1102)

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-09 (GTC A-831)

WORK ORDER NO.

112026

SELECTOR VALUE:

3

TEST EQUIP # (Last CAL date):

Hudson MPF 200A (6.17.04)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.4

13.2

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):

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 #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

112026

TEST EQUIP # (Last CAL date):

Alphatron MPF 700A (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):	PRE PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Hebe Gray 1#1941	TEST DATE
CONTACT PN:	204370-8	3/14/05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22759 / 2-01 (GTC#102)	Hebe Gray
DIE/LOCATOR PN (GTC Tool #):	M22759 / 2-01 (GTC#031)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Adapt MPT-2004 (6/2004)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	12.9	13.2
PASS/FAIL (circle test result)	PASS	FAIL	PASS
	FAIL	PASS	FAIL
	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

CAT-DS-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	3.21.05
WIRE PN:	M22759 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 2-01 (GTC 4100)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 2-09 (GTC 4.836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alphatron MPI-200A (6.17.01)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.6	13.4	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):

Assy LAT-DS-02588

CRIMP TENSILE STRENGTH					
MIL-STD-1344: METHOD 2003.1					
TEST TYPE (circle one):	PRE - PROD		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-Atell)				Dora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)				WORK ORDER NO.
SELECTOR VALUE:	3				112026
TEST EQUIP # (Last CAL date):	6/17/04 ^{Due 6/17/04} GTC-750				
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)	PASS	FAIL	PASS	FAIL	PASS
Check Failure Mode Observed					
SLIP (pull out) (a)	13.7 ✓			✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)					
CONTACT BROKEN IN CRIMP AREA (some or all) (c)					
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)					
OTHER (define) (f)					
SPECIAL INSTRUCTIONS (as reqd):					

Assy LAT-D5-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Nora 11337	TEST DATE
CONTACT PN:	204370-8 (608PI)	4/28/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A610)	Nora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	6/17/04 ^{Due} 6/17/05 (GTC RS11)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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