

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT107 GLAT 1834

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# 113226 : S/N (above SN)

TPS Unit: LAT-DS-01482 WO# 113207 : S/N GT106 GLAT 184

TPS CCA: LAT-DS-02388 WO# 112059 : S/N GT106 GLAT 1776

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# 113108 : S/N GT107 GLAT 1796

TEM CCA: LAT-DS-01646 WO# 112007 : S/N GT107 GLAT 1758

TEM I/P Cable: LAT-DS-02588 WO# 112026 : S/N N/A

ξ (c) Non-Conformance Reports (Indicate NCR # and applicable assy / part no.) ()

(LAT-DS-02388 / 2294, 2323, 2395, LAT-DS-01646 / 29269, 29646,)

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 - 51)

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT107 GLAT1834

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: _____

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

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

(LAT-DS-02830/29547, LAT-DS-02388/29377, 3/1008)

(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 { }

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

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

Completed by: Cecilia Martinez

Date: 5/25/05

GTC QA Acceptance:  _____

Date: 5/25/05

SLAC QAR Acceptance:  _____

Date: 6.1.05

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

SHIPPER
 SHIPPER NUMBER F17301.3
 SALES ORDER NUMBER F17301
 SHIP DATE 05/10/05
 PAGE 1

S 15356
 O SLAC
 L ACCOUNTS PAYABLE
 D 2575 SAND HILL RD M/985
 MENIO PARK, CA 94025
 T
 O

B 15356
 I SLAC
 L ACCOUNTS PAYABLE
 L 2575 SAND HILL RD M/985
 MENIO PARK, CA 94025
 T
 O

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

CUSTOMERS PO: 000053627 RESALE NO:

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

Special Inspection is required.

1	22	EA	LAT-D5-U1643 ASSY, UNIT-TEM, TPS S/N: GT106 GLAT1833, GT107 GLAT1834. QTY DUE...: 15	52	1.00	1 1 ** 2	129533 123534 ** TOTAL
---	----	----	--	----	------	----------------	------------------------------

ref	000053627	Date	05/10/2005	SHIPPING	0 00
dep	PRODUCTION	Wgt	58.0 LBS	SPECIAL	0 00
				HANDLING	0 00
		OV	0 00	TOTAL	0 00

SHIP VIA: ~~CFR~~ **FXPI**
 WAYBILL#: **6935 6058 5201**
5197

Sves: PRIORITY OVERNIGHT
 Sv. TRCK: 6935 6058 5201
 TRCK: 6935 6058 5197

Certificate of Conformance

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

Cecilia Martinez 5/10/05
 Quality Assurance Sign./rel/act

GENERAL TECHNOLOGY CORP.
 1450 MISSION AVENUE NE
 MENIO PARK, CA 94025

CONTAINS Sub Assemblies

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC
TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

3

GLAT-1795 GT106

GLAT 1812 GT104

WOM 113226
REQ DATE 03-06-05
REL DATE 04-21-05
PC# F17301
PC# 0000359627
CUST #
QTY 1
PROJECT# F17301
CMT# 19359
PAGE 1

SERIAL NUMBER: GT107 GLAT 1834
APPROVAL: FROM: KH/5-3-05
CPSM/5-3-05

WORKMANSHIP: 1PC/SEA-J-STD-001C 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.
-#1# 02 03 04-

LT# DEPT MACH# OP# DESCRIPTION SET-UP RUN HOURS LINE-MACH ST-000



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

CONFIGURATION DOCUMENTS
DOCUMENT NUMBER REV PD/PL OUTSTANDING EC'S
ASSY DWG. LA-DS-01243 03 NONE
BOM PL. (SAME - ON DWG)
CUST SOW: LA-PS-C2615/01078 03 NONE
VIBB/TCI (NOT APPLICABLE; WAS SK-282; SOW DELETED OTC DO.)
ASSY AID: LA-DS-01043 - (RELEASED PER EC 2479)
(CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER))
BUILD DOCUMENTS
USE WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
* SEE LAST PAGE OF WO (FOOTER) FOR TRAVELER REV/CHG RECORD *

DATE: 5/3/05 QTY: STATUS: [Signature]



3 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

PROCESS MATERIAL PER CAA STEP 2
DATE: 5/19/05 QTY: 1 STATUS: [Signature]



WORK CELL: 1-DIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PROJ/PN: IAT-DS-01643
UNIT: TEM/TPS

WO# 113226
REQ DATE 05-06-05
REL DATE 05-09-05
GTC# 217301
PC# 000003627

CUST P#
QTY 1
PROJECT# 217301
CMT# 13358

PAGE 2

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



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

PROCESS ASSY PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
5/9/05	1	install screws	SL-1587



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

PROCESS ASSY PER CAA STEP 4.

ALERT SLAC QAR TO WITNESS TORQUE PROCESS...

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

TORQUE TOOL # RTI-H-977

GTC-B-944 CAL DUE DATE: 5.05

DATE	QTY	REMARKS	STATUS
5-9-05	1	30 IW-LB	
5.9.05	1	WITNESS TORQUE	



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

PROCESS ASSY PER CAA STEP 5.

RECORD MATERIAL DATA BELOW:

ALWAYS DISI: GTC P# 31403 EXPIRATION DATE 01-31-07

CURE DATE/TIME: START- 8:05 AM STOP- 10:05 AM

DATE	QTY	REMARKS	STATUS
5/10/05	1		SL-1587

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 3

TV/PN# LAT-09-01643
UNIT-TEM/TPS

WCR: 119226
REQ DATE 09-06-05
REL DATE 04-21-06
SO# F17301
PO# 0000081627

CUST #
QTY 1
PROJECT# F17301
CUSE# 10366

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



6 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-0 ASSY-122

PROCESS ASSY PER CAA STEP 6.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
5/10/05	1		



7 280 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE BOX JOINING
AND BID 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-120).

DATE	QTY	REMARKS	STATUS
5-10-05	1	-53 DWG INCORPORATED	



8 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-0 ASSY-37

PROCESS ASSY PER CAA STEP 8

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

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
5/10/05	1		

MARKING

RECORD MATERIAL DATA

INK 50-100 RL: LTC POT# 3120: EXPIRATION 4-27-07

LOT# HTA: 200409080033

LOT# TB: 20040707001

MIX RECORD HTA WT: 10gr HTB WT: .6gr

MARKING DATE 5-10-05 3:30PM TACK CURB

5-10-05 1 MARKING & SN LABEL JAG E2018

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

W/FNS LAT-26-01643
V. UNIT-DEM/TPS

WO# 113226
REQ DATE 05-06-05
REL DATE 04-21-05
SC# F17301
PO# 0000183627

CUST P#
QTY 1
PROJECT# F17301
COST# 15356

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



9 299 CC PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACKAGING/SHIPPING

* PROCESS ASSEMBLY PER CAA STEP 9

DATE	QTY	REMARKS	STATUS
5-10-05	1		ATC 0208

***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: MEFKIN FOR ASSY REV: 53 DATE: 04.26.05
 ASSY CHG CHG
 REV BY DATE CHANGE DETAIL

 03 GLH 042605 UPDATED FOR UNITS 4 THRU 21.

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

WORK ORDER : 113226

NEW

WORK ORDER PICK LIST

PAGE 1

ASSEMBLY # : LAT-US-01643
WO QUANTITY : 1
WIP LOCATION : 902

BY LINE ITEM

EFFECTIVITY DATE: 05-03-05
RELEASE DATE: 01-01-05
DATE PRINTED: 02-09-05

FULLED:

FULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	REQUIREMENTS		K85V IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAILS			
					QUANTITY	STATUS				LOT QUANTITY	LOT DATE	LOT LIFE	SINLOC
1	LAT-US-01487 SCREW, SMTD CAP, 832X 52 ORIGINAL QUANTITY	EA	40.00	RSVD	40.00	120307		SKCP2 FN D3	120307	40.00	09 11-07	IN ASSY	
4	9151 ADHESIVE, NY50L 40Z KIT ORIGINAL QUANTITY	OZ	1.00	SO	1.00			SKCP2 FN D4		1.00			

40

1.00

WORK CELL, 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

WY/TN/ LAT-DS-01482
Y, CLANT. DAO. TFS

WOF 113207
REQ DATE 05-06-05
REL DATE 04-20-05
SQ# P17300
PO# 0000048800

CUST #
QTY 1
PROJECT# P17300
CUST# 10056

SERIAL NUMBER
GT106 G-LAT1814

APPROVAL
PROD: KAH/5-3-05
QA: gjm/5-3-05

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

plh 09 26 04

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



1 300 00 CONFIG RECORD/KITTING 0.0000 0.0000 0 0000

CONFIGURATION DOCUMENTS
DOCUMENT NUMBER REV PD/PL OUTSTANDING EC'S
ASSY DWG: LAT-DS-01482 03 NONE
SOM PL: ISAMS - CN DWG1
CUST ROW: LAT-FS-03078 03 NONE
ISS TEST: IN/A THIS LEVEL:
ASSY APP: LAT-DS-01482 (RELEASED PER EC 0477)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*** SEE FOOTER OF WORK ORDER FOR REV HISTORY ***

DATE	QTY.	REMARKS	STATUS
5-3-05			



2 101 00 STOCKROOM/KITTING AREA 0.0000 0 0000 0.0000

PROCESS MATERIAL PER CAR STEP 2.

DATE	QTY.	REMARKS	STATUS
5/5/05	1		



WORK CELL: 1-BIG KURNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

WY/PNS LAT-DS-01483
Y, GLAST, DAO, TPO

WO# 112207
REQ DATE 09-06-06
REL DATE 04-20-08
SO# F17333
PO# 0000148600

CUST PA QTY 1
PROJECT# P17300
CUST# 15155

LINE DEPT MACH# C/P DESCRIPTION SET-UP RUN... LINES-MACH ST-LOT:



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

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

GCC PO# 31450 EXP. DATE 5-17-05
 LOT #S: (PT A) 159322776 (PT B) 159322775
 MIX RECORD (PART A WGT) 15gr (PART B WGT) 1gr

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>ADHESIVE</u>	<u>AP</u>



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

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER: BT106

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>INSTALL BOX</u>	<u>AP</u>



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

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

TOOL # 6TC-E-90172 CAL DUE DATE 8-05
 G70-E-344 CAL DUE DATE 8-05

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>Torque Fasteners</u>	<u>AP</u>
<u>5-5-05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	<u>CA</u>



WORK CELL, 1-DIG RINNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

V/PK# CAT-DS 01182
Y. GLAST. DAO. TPR

WO# 113237
REC DATE 05-06-05
REL DATE 04-20-05
PO# 0000048800

CUST #
CITY
PROJECT#
CUST#

187300
187300

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



6 210 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 = 6TC-E-951 1/2 CAL DUE DATE 8-05
9TC-E-944 CAL DUE DATE 8-05

DATE... QTY... REMARKS... STATUS
5-6-05 1 INSTALL J2 94 11/02 14

5-6-05 1 GLAT 1819 WITNESS TORQUE



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

- PROCESS ASSY PER CAA STEP 7:

DATE... QTY... REMARKS... STATUS
5/6/05 1 secure J-2 Harness SC-1587



8 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL J1 TO L12

- PROCESS ASSY PER CAA STEP 8:
- ALERT SLAC QAR TO WITNESS TORQUE PROCESS.
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW:

TOOL = 6TC-E-951 1/2 CAL DUE DATE 8-05
9TC-E-944 CAL DUE DATE 8-05

DATE... QTY... REMARKS... STATUS
5/6/05 1 INSTALL J1 94 11/02 SC-1587

5-6-05 1 GLAT 1819



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

343V/PK: LAT-03-01492
11. GLAST. DAU. TFS

WO# 112207
REQ DATE 03-08-05
REL DATE 01-30-05
WOL# 717300
WCH# 0000048800

CUST PR
CUST QTY 1
PROJECT# 717300
CUST# 100000

PAGE 4

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



7 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS 3 CCA

• PROCESS ASSY PER CAA STEP 9.
• RECORD MATERIAL DATA BELOW: 0151
ADHSV 0151: GTC PCB: ~~31403~~ EXPIRATION DATE 1-31-07.
CURE DATE/TIME: START- 12:00 STOP- 2:00
DATE... QTY... REMARKS... STATUS
5-6-05 1 STAKE BOLT RP



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

• PROCESS ASSY PER CAA STEP 10.
• RECORD MATERIAL DATA BELOW: 0151
ADHSV 0151: GTC PCB: ~~31403~~ EXPIRATION DATE 1-31-07.
CURE DATE/TIME: START 12:00 STOP- 2:00
DATE... QTY... REMARKS... STATUS
5-6-05 1 STAKE J2 RP



11 710 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE J2 CABLE TIES

• PROCESS ASSY PER CAA STEP 11
• RECORD MATERIAL DATA BELOW: 0151
ADHSV 0151: GTC PCB: ~~31403~~ EXPIRATION DATE 1-31-07.
CURE DATE/TIME: START- 12:00 STOP- 2:00
DATE... QTY... REMARKS... STATUS
5-6-05 1 STAKE J2 RP

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

V/PN: LAT-DS-01442
1. GLAST, DAQ, TFS

WO# 112207
REQ DATE 05-06-05
REL DATE 04-20-05
SOW # 112200
PO# 0000044400

CUST #
PROJ # 1
CUST# 18154

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



13 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE J1 HARDWARE

- PROCESS ASSY PER CAA STEP 12.
- RECORD MATERIAL DATA BELOW: *0158*

ADSV 0151: GDC P# ~~21103~~ EXPIRATION DATE *1-31-07*
CURE DATE/TIME: START *12:00* STOP *2:00*

DATE	QTY	REMARKS	STATUS
<i>5-6-05</i>	<i>1</i>	<i>STAKE J1</i>	<i>AP</i>



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

- PROCESS ASSY PER CAA STEP 13.

DATE: *5-6-05* QTY: *1* REMARKS: *MARKING LABEL* STATUS: *AP*



14 210 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
C78. SLDR-0 ASSY-267

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

DATE: *5/6/05* QTY: *1* REMARKS: _____ STATUS:



15 210 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE ASSY PRE-CROSS

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

DATE: *5-6-05* QTY: *1* REMARKS: *GLAT 1514* STATUS:

TRGV/PNS CAT-DS-01413
W. GLAST. DAO. 100

WOB# 113207
TRAVEL 05-08-05
1278 04-08-05
WOB# 113200
0000049900

CUST PO
PROCESSING
COST# 113200
100000

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



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

* PROCESS ASSY PER CAA STEP 16

DATE	QTY	REMARKS	STATUS
5-6-05	1	Install LID	SC/1557



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

* PROCESS ASSY PER CAA STEP 17.

** ALERT SLAC QAP TO WITNESS TORQUE PROCESS **

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

TOOL # 6TC-E-9512 CAL DUE DATE 8-05

WIC-E-344 CAL DUE DATE 8-05

DATE	QTY	REMARKS	STATUS
5/6/05	1	Torque fastener 127 IN/100	SC/1557
5.6.05	1	WITNESS TORQUE	LAT TO QA



18 230 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDK-2 ASSY-61

* PROCESS ASSY PER CAA STEP 18

RECORD DEFECT REPORT NO. IF APPLICABLE. _____

DATE	QTY	REMARKS	STATUS
5/9/05			TO 8 215

WORK CELL: 1-310 RUBBER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 7

W/PNS LAT-05-01492
GLAST, DAC, TFS

NO# 113207
REV LO# 05-06-05
REV DATE 04-23-05
W/PNS 117300
POM 1000046800

CUST #
QTY
PROJECT# 117300
CURTS 15155

LINE DEPT MACH# OP# DESCRIPTION..... HOURS
321-09' 30M' LINE-MACH ST-100'



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

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

ADMSV D151: GTC PO# 0154 EXPIRATION DATE 1-31-07

CURE DATE/TIME: START- _____ STOP- _____

DATE	QTY	REMARKS	STATUS
<u>5/26/05</u>	<u>1</u>	<u>STAKE BOLT</u>	<u>OK</u>
_____	_____	_____	_____
_____	_____	_____	_____



20 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
QFA, SLDX-0 ASSY-40

- * PROCESS ASSY PER CAA STEP 20.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
<u>5/9/05</u>	<u>1</u>	_____	<u>OK</u>
_____	_____	_____	_____
_____	_____	_____	_____



21 287 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CUSTOMER SOURCE INSP

- * PROCESS ASSY PER CAA STEP 21

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
<u>5-9-05</u>	<u>1</u>	<u>GLAT 1814</u>	<u>OK</u>
_____	_____	_____	_____
_____	_____	_____	_____

***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: WEPKIN FOR ASSY REV: 02 DATE: 041805
 ASSY CHG ENG
 REV BY DATE CHANGE DETAIL
 05 01M 041805 RELEASED AT REV 05, AND CAA AT REV 04

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

ASSEMBLY # LAD-DS-01457
 LOCATION W01

BY LINE ITEM

REVISIONS: DATE QTY
 01 09-10-04
 02 09-10-04

PART NUMBER AND DESCRIPTION		UNITS	REQUIRED QUANTITY	CURR STATUS	RECV IN QUANTITY	LOT #	INVT LOC	LOT NUMBER	INVT DATE	INVT QTY	INVT BIN
1	LAD-DS-00095 LAD SW. TPG ORIGINAL QUANTITY	EA	1.00	ASVD	1.00	101225	SKCP2 FN-1	101225	17-12-19-04	1	SLAC
2	LAD-DS-01020 LAD SW. TPG PS ORIGINAL QUANTITY	EA	1.00	ASVD	1.00	101224	SKCP2 FN-2	101224	17-00-09-10-04	1	SLAC
3	LAD-DS-01188 LAD SW. TPG ORIGINAL QUANTITY	EA	1.00	SO	1.00		SKCP2 FN-3				
4	NAS1352N04-6 WAS SW. TPG ORIGINAL QUANTITY	EA	30.00	ASVD	30.00	115012	SKCP2 FN-4 FN-4 (WAS FN-6)	115012 WAS FN-4 115012 WAS FN-4	05-05-19-27-04	30	LOT 115
5	NAS921C4 WASHER PLAT. SS. 115*10... ORIGINAL QUANTITY	EA	32.00	SO	32.00		SKCP2 FN-5 FN-5 (WAS FN-6)			30	
6	NAS1352N04-4 WAS SW. TPG ORIGINAL QUANTITY	EA	20.00	ASVD	20.00	115019	SKCP2 FN-6 FN-6 (WAS FN-8)	115019 WAS FN-6 115019 WAS FN-6	09-00-09-27-04	20	FIN100
7	C151 AGRESSIVE WYSEL 400 KIT ORIGINAL QUANTITY	EA	1.00	SO	1.00		SKCP2 FN-7 FN-7 (WAS FN-9)			1	
8	W-12946 KIT W/824 TECH ORIGINAL QUANTITY	EA	1.00	SO	1.00		SKCP2 FN-8 FN-8 (WAS FN-10)			1	
9	W-12946 KIT W/824 TECH ORIGINAL QUANTITY	EA	5.00	SO	5.00		SKCP2 FN-9 FN-9 (WAS FN-14)			5	
10	W-12946 KIT W/824 TECH ORIGINAL QUANTITY	EA	4.00	SO	4.00		SKCP2 FN-10 FN-10			4	
11	W-12946 KIT W/824 TECH ORIGINAL QUANTITY	EA	0.01	SO	0.01		SKCP2 FN-11 FN-11 (WAS FN-15)			1	
12	LAD-DS-05535 LAD SW. TPG ORIGINAL QUANTITY	EA	1.00	SO	1.00		SKCP2 FN-12 FN-12			1	

ASSEMBLY : LA1-09-01450
 QTY : 1
 LOCATION : W02

BY LINE ITEM

REQUISITION DATE: 01-03-08
 RELEASE DATE : 01-10-08
 DATE PRINTED : 01-09-08

FULLED: _____ FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		ASSY IN LOT #	INVLOC NUMBER	LOT	INVENTORY DETAIL				
					SIAT QUANTITY	LOT #				QUANTITY	LOT LIFE	SINLOC	QUANTITY	
13	8723-SS-0440 JACKPOST, M-8 440X 18X 3/4 ORIGINAL QUANTITY:	EA	2.00	BO		2.00		SK07 FN-13		0.00				
			2.00					FULLED						

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER - NEW

PAGE 1

WIP# LAT-DS-02389
GLAST, TPA

WIP# 112059
MFG DATE 08-10-05
REV# 1
MFG DATE 12-01-04
JOB# 0000048803

CUST #
QTY 1
PROJECT# 117100
COST# 18366

SERIAL NUMBER ----- APPROVAL -----
GT106 GLAT1776 PROD: KR 2/10/05
CANNON 2-10-05

INSTRUCTIONS -----
IPC/ESA J-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.

WIP# 02.07.05-----

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



0.000 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
AGSY DWS- DOCUMENT NUMBER REV PD/PL OUTSTANDING EOL'S
GCM PL- LAT-DS-02389 -- 58 NONE
WIP-PL- LAT-DS-02391 SK NONE
WIP-ASSEM LAT-PR-03078 03 NONE
AGSY-ASSEM N/A
AGSY-ASSEM LA-DS-02388 (RELEASED PER EC 2292)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
Use... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
REV'D /PREP'D BY: CH (DATE)DATE: 02.07.05

2/10-423-05

DATE	QTY	REMARKS	STATUS
2-10-05			WIP



0.000 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS

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

DATE	QTY	REMARKS	STATUS
2/10/05			WIP

ESD SENSITIVE

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

WPN# LAT-ES-02188
GLASS, TPS

WCA 112059
SPO DATE 02-10-05
SPL DATE 12-01-04
SOS
PO# 0000048800

CUST PA
QTY 1
PROJECT# 717300
CUST# 18285

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



1 010 00 CCA/BLACK BOX ASSY AREA
MARK QTC SN 0.0000 0 0000 0.0000

PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-1-05	1		RF 185



2 010 00 SMT ASSY LINE
PRE-SMT BAKEDOUT 0.0000 0 0000 0.0000

PROCESS PER CAA STEP 4.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 2-11-05 STAND: 2-11-05 STOP: 12:10 AM

DATE	QTY	REMARKS	STATUS
2-11-05	1		RF



3 010 00 SMT ASSY LINE
STENCIL BOTTOM SIDE 0.0000 0 0000 0.0000

PROCESS PER CAA STEP 5.

RECORD SOLDER PASTE DATA BELOW.

QTC PO# 31728 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2/1/05	1		TA



4 010 00 SMT ASSY LINE
POW-N-PLATE PARTS 0.0000 0 0000 0.0000

PROCESS PER CAA STEP 6

DATE	QTY	REMARKS	STATUS
2/1/05	1		TA

Q-00 .0072
C-130 .0073
C-47 .0072

WORK CELL: 4-MIXED

CUSTOMER: SLAC

DATE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

PROY/ENG INT-05-04395
START: 1998

NO# 112059
MFGU DATE 12-17-05
MFGU DATE 12-01-04
PCL 0010048800
PCL

CUST ID
CITY 1
PROJ 113300
CUST# 101005

LINE DEPT MACH# OP# DESCRIPTION... HOURS
SET-UP RUN... LINE-MACH 32-500



7 213 00 SMT ASSY LINE
SOLDER REFLOW 0.0000 3.0000 0.0000

* PROCESS PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
2-1-05	1		YOK



8 213 00 SMT ASSY LINE
APPROX CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 9.

DATE	QTY	REMARKS	STATUS
2-11-05	1		YOK



9 240 00 QUALITY ASSURANCE AREA
OP# SLER-1255 ASSY-1645 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 9.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DAR#(S) 29377

DATE	QTY	REMARKS	STATUS
2/4/05	1		YOK
2/15/05	1	Rework only	

(Short D500 still)



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

* PROCESS PER CAA STEP 10.

* RECORD SOLDER PASTE DATA BELOW.

OPC FOR 61723 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2-12-05	1		YOK

- D4 .0071
- 4-501 .0070
- 4-559 .0073
- 4-657 .0072
- 2-141 .0076

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

* TV/PK# LAT_DS-02399
GLACT, TBS

W# 112130
REQ DATE 02-10-05
REL DATE 12-01-04
PC# 0000146800

CUST #
PROJECT# 1
CITY 1017300
COST# 10300

LINE DEPT MACH# OP# DESCRIPTION... SEC-OF RUN... LINE-MACH ST-OCT



11 013 00 SMT ASSY LINE PICK-N-PLACE 0.0000 0.0000 0.0100

* PROCESS PER CAA STEP 11.

DATE	QTY	REMARKS	STATUS
2/2/05	1	TP-1	RF 1488
2/12/05	1	Short DSCC	NA



12 013 00 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 12.

DATE	QTY	REMARKS	STATUS
2-2-05	1		RF



13 013 00 SMT ASSY LINE ACETONE CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
2-2-05	1		RF



14 001 00 QUALITY ASSURANCE AREA STE- SMDR-1421 ASSY-711 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14.

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

00#18 29377

DATE	QTY	REMARKS	STATUS
2/14/05	1		
2/15/05	1	rework only 106	

WORK FIELD: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WJN LAD-05-02384
CLASS: IFS

WOB 112154
RDO DATE 02 10-05
REL DATE 12-01-04
SO#
PO# 0000048801

CUST #
QTY
PROJECT#
CUST#

PAGE 3

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



16 212 00 CCA/BLACK BOX ASSY AREA
1IN THRU-HOLE PARTS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 16.
- ** SPECIAL IN-PROCESS QA EXAMINATION OF 10 LEAD WIRE AND SHORT WIRE FREE
- ** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DDMMIS

DATE	QTY	REMARKS	STATUS
2/23/05	1		CVD1920

NOTE: CAPACITORS RXE110
ARE SERIALIZED WITH #TAGS.
REMOVE #TAGS

GTG 2-17-05

inspect 35 wires 2-wire
2-25-05



inspect 35 wires 1-wire
2-25-05



16 212 00 CCA/BLACK BOX ASSY AREA
MECH ASSY - WISNYS/VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 16.
- * RECORD ADHESIVE DATA BELOW:
OTC PO# 31450 EXPIRATION DATE 05/17/05
- * RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW
TOOL # GTC-E-95 1/2 CAL DUE DATE 08-05

DATE	QTY	REMARKS	STATUS
02/24/05	1	Torqued stud hardware at 125 in. oz.	Buy 02/24/05
02/24/05	1	Torqued VRS filter at 65 in. oz.	Buy 02/24/05



17 212 00 CCA/BLACK BOX ASSY AREA
TERMINATE VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 17.

DATE	QTY	REMARKS	STATUS
02/24/05	5	cut & stripped wires	with
02/24/05	5	tinned wires	with

← special in-process
QA examination of
wires
ME 2-24-05

inspection of 5 wires
2/24/05

inspection of 5 wires
2/24/05



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

WIP# CAT-DS-0388
SLAC, TPS

MO# 112099
REQ DATE 08-10-05
REL DATE 12-01-04
SO# 000004800
PO#

CUST P#
PROJECT# 417303
CUST# 18356

LINE DEST MACH: 02# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH SC-DAT



ME 26
7-25-05

18 210 00 OCA/BLACK BOX ASSY AREA
INSTALL/SOLDER R1, R2

0.0000 0.0000 0.0000

Move install & solder
to step 26
ME 7-25-05

* PROCESS PER CAA STEP 18

DATE	QTY	REMARKS	STATUS



19 210 01 OCA/BLACK BOX ASSY AREA
INSTALL/SOLDER IC WIRES

0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 19

DATE	QTY	REMARKS	STATUS
02/28/05	1		ETC 12R3 RUF



20 220 01 QUALITY ASSURANCE AREA
OPER: SLDK-70 ASSY-41

0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 20

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DR# S

DATE	QTY	REMARKS	STATUS
5/22/05	1		



21 210 01 OCA/BLACK BOX ASSY AREA
VIBR ARRAY-BOTTOM 015

0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 21

* RECORD ADHESIVE DATA BELOW

ADH # 31450 EXPIRATION DATE 05/17/05

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

TOOL # GTC-A-984 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
02/28/05	1		ETC RUF

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

W/TN: LAT-US-02343
CLAST: TFS

WCH 112052
REQ DATE 02-10-05
REL DATE 12-01-04
COC
PC# 0000044400

CUST #
QTY
PROJECT # 017400
CUST# 13352

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



02 2.0 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER WIRES-106 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 23.

DATE	QTY	REMARKS	STATUS
03-01-05	1		100 Byp



03 2.0 00 QUALITY ASSURANCE AREA
OFF: SLUR-39 ASSY-26 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 23.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR#(S)

DATE	QTY	REMARKS	STATUS
3/1/05	1		100



04 2.0 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER 0504, 0504 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 24.

* RECORD ADHESIVE DATA BELOW.

UTC FOR 31450 EXPIRATION DATE 05/17/05

DATE	QTY	REMARKS	STATUS
03/02/05	1		1298 Byp



05 2.0 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER TAPE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 25.

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

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

TIME/TN# LAT-DS-02388
GLANT, TPS

WOM 112088
MATERIAL 104898 03-10-05
MATERIAL 104898 12-01-05
MATERIAL 104898 12-01-05
MATERIAL 104898 12-01-05
MATERIAL 104898 12-01-05

CUST P#
CITY
PROJECT # 417300
CUST# 18388

PAGE 5

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



24 240 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER P. R. T

* PROCESS PER CAA STEP 26 *KIERZ me 2-25-05*

DATE	QTY	REMARKS	STATUS
03/04/05	1		Byt



27 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLD# 75 ARBY-38

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

ERR#(S):

DATE	QTY	REMARKS	STATUS
3/4/05	1		



33 200 00 SREA LOT 0.0000 0.0000 0.0000
SREA TEST

* PROCESS PER CAA STEP 33
** RECORD TEST DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR#(S):

DATE	QTY	REMARKS	STATUS
3/4/05	1	GT106	mtl. P166



38 200 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER TO CASE

SLD# 179-SW 1-CHECK *SUP(1298) 03/09/05*
SLD# 179-SW 1-CHECK *Byt(1288) 03/09/05*
SUP(1200) 03/09/05

* PROCESS PER CAA STEP 38.

DATE	QTY	REMARKS	STATUS
3/9/05	1		mtl 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER * NEW

PAGE 9

WIP# LAC-DS-00384
GLAST. TPO

WC# 112059
REQ DATE 03-10-05
REL DATE 12-01-04
SQ#
PO# 0000046610

COST #
QTY
PROJECT# 217300
CUST# 100000

17# DEPT MACH# OP# DESCRIPTION EST-UP RON. HOURS LINE MACH ST-LGT.



30 230 00 OCA/BLACK BOX ASSY AREA 3.0000 0.0000 0.0000
INSTALL/SOLDER O/P CABLE
SLDR O/P-ROW 1-CHECK 03-10-05 *ByP* (1288)
SLDR O/P-ROW 2-CHECK 03-10-05 *ME*
SLDR O/P-ROW 3-CHECK 3-10-05 *km 1574*
SLDR O/P-ROW 4-CHECK 3-10-05 *km 1574*

0:10/05 filled DS00 short up *ByP 03/09/05*

* PROCESS PER CAA STEP 30

DATE	QTY	REMARKS	STATUS
<i>3/10/05</i>	<i>1</i>		<i>ME 1337</i>



31 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-98 ASSY-107

* PROCESS PER CAA STEP 31

** RECORD DEFECT RECORD REPORT NUMBERS BELOW

DSR#(F)

DATE	QTY	REMARKS	STATUS
<i>3/10/05</i>	<i>1</i>		<i>(1288)</i>



32 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
PARTS CLEAN / *HAVERS WASH ME 3-11-05*

* PROCESS PER CAA STEP 32

DATE	QTY	REMARKS	STATUS
<i>3-11-05</i>	<i>1</i>		<i>ME</i>

WORK CELL: 4-MIXED

CUSTOMER: GLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

W/ENR CAT-DS-02222
CLASS: TBS

WOB 112050
REQ DATE 02-10-05
REL DATE 12-01-04
SO# 0000046600

CUST #
PROJECT# 1-17300
CURTS 15256

LINE REPT MACH# OP# DESCRIPTION..... HOURS
SETUP ACN... LINE MACH ST-LOT:



33 352 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
POT WITH RTV - CABLE
025-1114

PROCESS PER OMA STEP 33
RTV DC6-1104 POT POT# 31695 EXPIRATION DATE 7-10-05
SPE ADHESIVE GLEI APPLICATION FOR CABLE DATA.

DATE	QTY	REMARKS	STATUS
3-11-05	1		ME

Signal of each *llh*

"IS" in light of HUI
inspection of pottling 3/11/05
llh



34 352 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POT WITH RTV - CABLE
025-1114

PROCESS PER OMA STEP 34
RTV DC6-1104 POT# 31695 exp. Date: 7-10-2005

DATE	QTY	REMARKS	STATUS
3-11-05	1		ME

KEEP

34.5 source inspection
llh

ME 3-11-05



75 310 01 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POTTING/STAKING ICS

PROCESS OMA PER OMA STEP 35
POT# 31695 exp. Date 7-10-05

DATE	QTY	REMARKS	STATUS
3-11-05	1		ME

34.6 Package & Ship

ME 3-11-05

PTV DC6-1107

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WNS LAT-03-02385
SLAST, TRS

WOB 112059
MFG DATE 12-10-04
REL DATE 12-01-04
JOB 0000048800

CUST #
PROJEC# 117300
COST# 19280

PAGE 11

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



36 310 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE HARDWARE - NUTS
WASHERS, STUDS, SCREWS

* PROCESS PER CAA STEP 36.

ADHESIVE 0151: GTC FOR 30156 EXPIRATION DATE 01-07

~~WNS DATE START STOP~~

DATE... QTY... REMARKS..... STATUS
3-11-05 1
KIT TIME

*Cured at step 40
KIT
3-11-05*



37 311 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/STAKE SUPPORTS

* PROCESS PER CAA STEP 37

ADHESIVE 0151: GTC FOR 30156 EXPIRATION DATE 01-07

~~WNS DATE START STOP~~

DATE... QTY... REMARKS..... STATUS
3-11-05 1
KIT TIME

*Cured at step 40 KIT
3-11-05*



38 310 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE COMPONENTS - C000
C000: P1-P5

* PROCESS PER CAA STEP 38.

ADHESIVE 0151: GTC FOR 30156 EXPIRATION DATE 01-07

~~WNS DATE START STOP~~

DATE... QTY... REMARKS..... STATUS
3-11-05 1
KIT TIME

*Cured at step 40 KIT
3-11-05*

WORK CELL 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WIP# 00000000000000000000
GLASS, TPR

NO# 112059
REQ DATE 02-10-05
REL DATE 12-01-04
JOB
PCW 0000048800

JUST #
PROJECT # 1
COST# 10300
10300

PAGE 12

101 DEPT MACH# OP# DESCRIPTION..... K O U R G
SET-UP RIN... LINS-MACH ST-DOT



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

* PROCESS PER CAA STEP 39.

ADHESIVE 0151. GTC PC# 30156 EXPIRATION DATE 01-07

*cured at step 40
KH
3-11-05*

DATE	QTY	REMARKS	STATUS
3-11-05	1		KH ME



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

* PROCESS PER CAA STEP 40

ADHESIVE 0151. GTC PC# 30156 EXPIRATION DATE 01-07

999 4-28-05

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

DATE	QTY	REMARKS	STATUS
3-11-05	1		KH ME
4-28-05	1	staked R22	PO 1946
4-28-05	1	baked R22 10:30 AM - 12:30 PM	PO 1946

*P.O.# 31403 exp. date 1/31/0
mix = Part A: 3.1g Part B: 1.0g*



41 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
QTS: 6LDR-0 ASSY-87

* PROCESS PER CAA STEP 41.

** RECORD DEFECT RECORD NUMBER(S) BELOW

DEF#(S): 30011

DATE	QTY	REMARKS	STATUS
3/12/05	1		

WORK CELL 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

TV/PNT LAT-06-00388
SLACT: 000

WOB 112089
PRO DATE 02-13-05
REL DATE 12-01-04
JOB 0000048800

CUST #
PROJ #
CUST#

PAGE 10

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



42 280 00 SOURCE INSPECTION
SLAC CAR INSPECTION - MIP 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 41
LACH MANDATORY INSPECTION POINT - MIP)

DATE	QTY	REMARKS	STATUS
3-11-05	1	GLUG GLAT 1776	
		EXCESSIVE FREE MARKS	
		@ C151 & C511	



5:12.05



43 289 00 PACKAGING/SIPPING INSP
PACKAGE & SHIP CCA FOR
TEST & CUSTOMER. 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 43.

DATE	QTY	REMARKS	STATUS
3-11-05	1		E-2018



44 290 01 QUALITY ASSURANCE AREA
RECEIVING INSPECTION 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 44.

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

DR# 5:

DATE	QTY	REMARKS	STATUS
4/4/05	1		



45 280 00 SOURCE INSPECTION
SLAC CAR INSPECTION - MIP
MANDATORY INSPECTION
POINT - TEST POINT 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 42.

DATE	QTY	REMARKS	STATUS
3-11-05	1	GLUG GLAT 1776	
		EXCESSIVE FREE MARKS	
		@ C151 & C511	

VOID ENTERED IN
ERROR PM LOG
3-11-05

4-27-05: GLAT 1776
[LOW HOLE @
LEAD PROTRUSION
OF C151 PIN]



5:27.05

NCMR 2829 - USE AS IS
NCMR 2805 - REWORK
NCMR 2823 - REWORK

04/27/05 Reworked blow hole at C151 pin 1.

SNP
04/27/05

4/27/05 Record Defect # 31008

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

WIP# 107-DE-00366
GLAST. TFS

WIP# 112039
DATE 02-10-05
DATE 12-01-04

CUST #
PROJ # 1
CITY # W17302
COST # 18388

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



46 210 00 CCA BLACK BOX ASSY AREA
HAND CLEAN AND TEST
THE CLEANLINESS OF CCA
ATTACH RESULTS REPORT TO
THE TRAVELLER/NO

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

DATE	QTY	REMARKS	STATUS
4/29/05	1	Washed	run-168
4/29/05	1	Washed	Run 1262
		cleanliness	JA



47 082 00 QUALITY ASSURANCE AREA
OP# SDR-3 ASSY-7

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

DEF#(S) _____

DATE	QTY	REMARKS	STATUS
4/29/05	1		



48 050 00 COATING/POTTING AREA
BAKE-OUT AND MASK

• PROCESS CAA PER CAA STEP 48.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 5-4-05 START: 8:30 STOP: 9:10

DATE	QTY	REMARKS	STATUS
5-4-05	1	Mask	JA

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 15

ASSY/ENR DATE 05-02-05
GLADT 119

WKS 112059
DATE 02-10-05
PROJ. DATE 12-01-04
PO# 0000048800

CUST #
CITY 1
PROJECT# 117300
CITY# 15355

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



49 250 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 5/02/05 START 12:20pm STOP 2:30pm

DATE... QTY... REMARKS..... STATUS
5/02/05 1 COAT Dm



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

* PROCESS CAA PER CAA STEP 50

OVEN CURE DATE 5/02/05 START 2:30pm STOP 3:50pm
OVEN CURE DATE 5/02/05 START 7:00pm STOP 8:50pm

DATE... QTY... REMARKS..... STATUS
5-02-05 1 Remask - Touch up ALL



51 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE SLDP-0 ASSY-1

* 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:

- 01. COPIES OF CERTIFICATIONS
- 02. COPIES OF TEST REPORTS
- 03. INSPECTION REPORTS
- 04. NON-CONFORMANCE REPORTS
- 05. INDUSTRY DATA PACKAGES (CDs)
- 06. PHYSICAL PHOTOGRAPHS, REFERRED INTO IT

ID# 31238

DATE... QTY... REMARKS..... STATUS
5/3/05 1 COAT 1776 ALL

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 16

72% LAT-DS-02388
GLAST, 795

WCF 112099
RPO DATE 02-10-05
RPO DATE 12-31-04
JOB# 0000046900

CUST #
QTY 1
PROJECT# 411100
MTR# 15335

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



52 220 00 SOURCE INSPECTION 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 52.

NOTE: NEXT ASSEMBLY IS LAT-TS-01462

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

DATE	QTY	REMARKS	STATUS
5/4/05	1		



SERIAL NUMBER APPROVAL ...

PROD: _____

QA: _____

MORNINGMISIP:.....
100-ETA J-STD-0010 CLASS 3; WITH "CS" SWAGE 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.

*gln DE.US.05*****

WORK ORDER : 111089

(NEW)

WORK ORDER PICK LIST
BY LINE ITEM

106

PAGE: 1

ASSEMBLY # : LAT-DS-02388
WO QUANTITY : 1
WIP LOCATION: 802

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	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
					STAT	QUANTITY				QUANTITY	LOT	LOT DATE
✓ 1	LAT-DS-02388 PWR GLASS TBS ORIGINAL QUANTITY...	EA	1.00					SK2 FN-D1		0.00		
					RSVD	1.00	120305	SKCP2	120305	19.00	09-11-07	
✓ 2	LAT-DS-02388-01 ASSY. CABLE, TBS I/P PWR ORIGINAL QUANTITY...	EA	1.00	80		1.00		SK2 FN-D2	17 J2	0.00		
								SKCP2		0.00		
✓ 3	LAT-DS-02469 HEAT SINK, TBS ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D3		0.00		
					RSVD	4.00	115014	SKCP2	115014	82.00	06-23-07	
✓ 4	LAT-DS-02531-01 ASSY. CABLE, TBS O/P PWR ORIGINAL QUANTITY...	EA	1.00	80		1.00		SK2 FN-D4	18 J1	0.00		
								SKCP2		0.00		
✓ 5	LAT-DS-02598 SUPPORT. CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00					SK2 FN-D11		0.00		
					RSVD	2.00	115020	SKCP2	115020	22.00	09-27-04	F17300
									120308	23.00	09-11-07	IN ASSY
✓ 6	LAT-DS-02599 LARR. SN ORIGINAL QUANTITY...	EA	1.00	80		1.00		SK2 FN-D22		0.00		
								SKCP2		1.00		
✓ 7	WASHER #7 ORIGINAL QUANTITY...	EA	4.00	RSVD		4.00	93129	SK2 FN-D5	93129	16.00	09-01-03	W/P
									93130	0.00	07-31-01	
									FN-D5			
								SKCP2	115015	150.00	09-27-04	LOT 115

7 RECD
7/4

106

ASSEMBLY # : LAT-09-02388
NO. QUANTITY : 1
LOCATION: W02

BY LINE ITEM

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

PULLED BY: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN	INVLOC	LOT NUMBER	INVENTORY DETAIL				
			QUANTITY	STAT QUANTITY				QUANTITY	LOT DATE	LOT LIFE	BONLOC	BIN QUANTITY
12	NUS87104 NUT, HEX, SS, PASS, 4-40TRAD Cont from prior page	EA	1.00	1.00		FN-D10	123180	250.00	01-21-05			
						FN-D10	123196	2010.00	02-04-05			
						FN-D10	123364	320.00	02-07-05			
						FN-D10	123397	610.00	02-07-05			
						FN-D10	123512	80.00	02-07-05			
						FN-D10	123521	155.00	02-07-05			
						FN-D10	123532	160.00	02-07-05			
						FN-D10	123691	700.00	02-07-05			
						SKCF2	115009	31.00	08-27-04	LOT 115		
13	CV-7846 STV, NUS812 TECH ORIGINAL QUANTITY...	OS	1.00	1.00		SK2 FN-D11		0.00				
			1.00			SKCF2		0.00				
14	0151 ADHESIVE: HYSOL 402 KIT ORIGINAL QUANTITY...	OS	1.00	1.00		SK2 FN-D12		0.00				
			1.00			SKCF2		0.00				
15	MUTIM-076 TIE, CABLE, LOCKING, PANDUIT ORIGINAL QUANTITY...	EA	5.00	5.00		SK3 FN-D18		0.00				
			5.00			SKCF2		0.00				
16	5780 CONFORMAL COATING UREthane ORIGINAL QUANTITY...	OS	1.00	1.00		SK2 FN-D17		0.00				
			1.00			SKCF2		0.00				

Handwritten notes: 11.0, 2/12/05

Handwritten scribble

Handwritten scribble

Handwritten scribble

ASSEMBLY # : LAT-06-02358
NO QUANTITY : 1
WIP LOCATION: W02

BY LINE ITEM

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

WIP PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL				
			REQUIRED QUANTITY	CURR STATUS				LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC	QUANTITY
17	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	02	1.00	80	1.00	SK2 FN-D18		0.00				
			1.00			SKCF2		0.00				
18	M22755/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	1.00	RSVD	1.00	46190	SK2 FN-D19	1204.00	09-14-00	SK2 R4		
			1.00			119299	SKCF2	17716.00	10-01-04	LOT1152		
19	LAT-06-34101 HEATSINK ORIGINAL QUANTITY...	EA	2.00			120304	SK2 FN-D20	0.00				
				RSVD	2.00	120304	SKCF2	42.00	09-11-07			
20	ASP451 IC FILTER ORIGINAL QUANTITY...	EA	1.00			114959	SK2 FN-34	0.00		VRS		
			1.00			114959	SKCF2	01.00	09-27-04			
21	MAX724ECK IC ORIGINAL QUANTITY...	EA	7.00			114961	SK2 FN-36	0.00		U6 U7 U8 U10 U15 U17 U18		
			7.00			114961	SKCF2	177.00	09-27-04			
22	5542R9663B01VXC IC ORIGINAL QUANTITY...	EA	5.00			120301	SK2 FN-35	0.00		U20 U559 U660 U665 U666		
			5.00			120301	SKCF2	100.00	12-16-04			
				RSVD	5.00	120301	SKCF2	5.00	09-27-04	DRY 10		
23	55AL040GIXV DIODE ORIGINAL QUANTITY...	EA	7.00			114945	SK2 FN-19	0.00		D1 D2 D3 D4 D5 D10 D10		
			7.00			114945	SKCF2	235.00	09-27-04			
24	CANTXV104153UP 1 DIODE ORIGINAL QUANTITY...	EA	6.00			114945	SK2 FN-20	0.00		D502 D513 D515 D539 D570 D601		
			6.00			114945	SKCF2					



PULLED: _____ PULLED BY: _____

LT#	PART NUMBER AND DESCRIPTION	REQD QTY	CURR STATUS	RSVD IN LOT #	INVLOC	NUMBER	INVENTORY DETAIL		
							LOT QUANTITY	LOT DATE	BIN
	IC Cont from prior page.	EA				114963	2.00	09-27-04	DRY-10
						PULLED:			
32	CDKJ25X103BKUS CAP 0.01UF 100V 10%	EA	22.00			SK2 FN-4 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C101 C102 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 C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1018 C1019 C1020 C1021 C1022 C1023 C1024 C1025 C1026 C1027 C1028 C1029 C1030 C1031 C1032 C1033 C1034 C1035 C1036 C1037 C1038 C1039 C1040 C1041 C1042 C1043 C1044 C1045 C1046 C1047 C1048 C1049 C1050 C1051 C1052 C1053 C1054 C1055 C1056 C1057 C1058 C1059 C1060 C1061 C1062 C1063 C1064 C1065 C1066 C1067 C1068 C1069 C1070 C1071 C1072 C1073 C1074 C1075 C1076 C1077 C1078 C1079 C1080 C1081 C1082 C1083 C1084 C1085 C1086 C1087 C1088 C1089 C1090 C1091 C1092 C1093 C1094 C1095 C1096 C1097 C1098 C1099 C1100 C1101 C1102 C1103 C1104 C1105 C1106 C1107 C1108 C1109 C1110 C1111 C1112 C1113 C1114 C1115 C1116 C1117 C1118 C1119 C1120 C1121 C1122 C1123 C1124 C1125 C1126 C1127 C1128 C1129 C1130 C1131 C1132 C1133 C1134 C1135 C1136 C1137 C1138 C1139 C1140 C1141 C1142 C1143 C1144 C1145 C1146 C1147 C1148 C1149 C1150 C1151 C1152 C1153 C1154 C1155 C1156 C1157 C1158 C1159 C1160 C1161 C1162 C1163 C1164 C1165 C1166 C1167 C1168 C1169 C1170 C1171 C1172 C1173 C1174 C1175 C1176 C1177 C1178 C1179 C1180 C1181 C1182 C1183 C1184 C1185 C1186 C1187 C1188 C1189 C1190 C1191 C1192 C1193 C1194 C1195 C1196 C1197 C1198 C1199 C1200 C1201 C1202 C1203 C1204 C1205 C1206 C1207 C1208 C1209 C1210 C1211 C1212 C1213 C1214 C1215 C1216 C1217 C1218 C1219 C1220 C1221 C1222 C1223 C1224 C1225 C1226 C1227 C1228 C1229 C1230 C1231 C1232 C1233 C1234 C1235 C1236 C1237 C1238 C1239 C1240 C1241 C1242 C1243 C1244 C1245 C1246 C1247 C1248 C1249 C1250 C1251 C1252 C1253 C1254 C1255 C1256 C1257 C1258 C1259 C1260 C1261 C1262 C1263 C1264 C1265 C1266 C1267 C1268 C1269 C1270 C1271 C1272 C1273 C1274 C1275 C1276 C1277 C1278 C1279 C1280 C1281 C1282 C1283 C1284 C1285 C1286 C1287 C1288 C1289 C1290 C1291 C1292 C1293 C1294 C1295 C1296 C1297 C1298 C1299 C1300 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311 C1312 C1313 C1314 C1315 C1316 C1317 C1318 C1319 C1320 C1321 C1322 C1323 C1324 C1325 C1326 C1327 C1328 C1329 C1330 C1331 C1332 C1333 C1334 C1335 C1336 C1337 C1338 C1339 C1340 C1341 C1342 C1343 C1344 C1345 C1346 C1347 C1348 C1349 C1350 C1351 C1352 C1353 C1354 C1355 C1356 C1357 C1358 C1359 C1360 C1361 C1362 C1363 C1364 C1365 C1366 C1367 C1368 C1369 C1370 C1371 C1372 C1373 C1374 C1375 C1376 C1377 C1378 C1379 C1380 C1381 C1382 C1383 C1384 C1385 C1386 C1387 C1388 C1389 C1390 C1391 C1392 C1393 C1394 C1395 C1396 C1397 C1398 C1399 C1400 C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1408 C1409 C1410 C1411 C1412 C1413 C1414 C1415 C1416 C1417 C1418 C1419 C1420 C1421 C1422 C1423 C1424 C1425 C1426 C1427 C1428 C1429 C1430 C1431 C1432 C1433 C1434 C1435 C1436 C1437 C1438 C1439 C1440 C1441 C1442 C1443 C1444 C1445 C1446 C1447 C1448 C1449 C1450 C1451 C1452 C1453 C1454 C1455 C1456 C1457 C1458 C1459 C1460 C1461 C1462 C1463 C1464 C1465 C1466 C1467 C1468 C1469 C1470 C1471 C1472 C1473 C1474 C1475 C1476 C1477 C1478 C1479 C1480 C1481 C1482 C1483 C1484 C1485 C1486 C1487 C1488 C1489 C1490 C1491 C1492 C1493 C1494 C1495 C1496 C1497 C1498 C1499 C1500 C1501 C1502 C1503 C1504 C1505 C1506 C1507 C1508 C1509 C1510 C1511 C1512 C1513 C1514 C1515 C1516 C1517 C1518 C1519 C1520 C1521 C1522 C1523 C1524 C1525 C1526 C1527 C1528 C1529 C1530 C1531 C1532 C1533 C1534 C1535 C1536 C1537 C1538 C1539 C1540 C1541 C1542 C1543 C1544 C1545 C1546 C1547 C1548 C1549 C1550 C1551 C1552 C1553 C1554 C1555 C1556 C1557 C1558 C1559 C1560 C1561 C1562 C1563 C1564 C1565 C1566 C1567 C1568 C1569 C1570 C1571 C1572 C1573 C1574 C1575 C1576 C1577 C1578 C1579 C1580 C1581 C1582 C1583 C1584 C1585 C1586 C1587 C1588 C1589 C1590 C1591 C1592 C1593 C1594 C1595 C1596 C1597 C1598 C1599 C1600 C1601 C1602 C1603 C1604 C1605 C1606 C1607 C1608 C1609 C1610 C1611 C1612 C1613 C1614 C1615 C1616 C1617 C1618 C1619 C1620 C1621 C1622 C1623 C1624 C1625 C1626 C1627 C1628 C1629 C1630 C1631 C1632 C1633 C1634 C1635 C1636 C1637 C1638 C1639 C1640 C1641 C1642 C1643 C1644 C1645 C1646 C1647 C1648 C1649 C1650 C1651 C1652 C1653 C1654 C1655 C1656 C1657 C1658 C1659 C1660 C1661 C1662 C1663 C1664 C1665 C1666 C1667 C1668 C1669 C1670 C1671 C1672 C1673 C1674 C1675 C1676 C1677 C1678 C1679 C1680 C1681 C1682 C1683 C1684 C1685 C1686 C1687 C1688 C1689 C1690 C1691 C1692 C1693 C1694 C1695 C1696 C1697 C1698 C1699 C1700 C1701 C1702 C1703 C1704 C1705 C1706 C1707 C1708 C1709 C1710 C1711 C1712 C1713 C1714 C1715 C1716 C1717 C1718 C1719 C1720 C1721 C1722 C1723 C1724 C1725 C1726 C1727 C1728 C1729 C1730 C1731 C1732 C1733 C1734 C1735 C1736 C1737 C1738 C1739 C1740 C1741 C1742 C1743 C1744 C1745 C1746 C1747 C1748 C1749 C1750 C1751 C1752 C1753 C1754 C1755 C1756 C1757 C1758 C1759 C1760 C1761 C1762 C1763 C1764 C1765 C1766 C1767 C1768 C1769 C1770 C1771 C1772 C1773 C1774 C1775 C1776 C1777 C1778 C1779 C1780 C1781 C1782 C1783 C1784 C1785 C1786 C1787 C1788 C1789 C1790 C1791 C1792 C1793 C1794 C1795 C1796 C1797 C1798 C1799 C1800 C1801 C1802 C1803 C1804 C1805 C1806 C1807 C1808 C1809 C1810 C1811 C1812 C1813 C1814 C1815 C1816 C1817 C1818 C1819 C1820 C1821 C1822 C1823 C1824 C1825 C1826 C1827 C1828 C1829 C1830 C1831 C1832 C1833 C1834 C1835 C1836 C1837 C1838 C1839 C1840 C1841 C1842 C1843 C1844 C1845 C1846 C1847 C1848 C1849 C1850 C1851 C1852 C1853 C1854 C1855 C1856 C1857 C1858 C1859 C1860 C1861 C1862 C1863 C1864 C1865 C1866 C1867 C1868 C1869 C1870 C1871 C1872 C1873 C1874 C1875 C1876 C1877 C1878 C1879 C1880 C1881 C1882 C1883 C1884 C1885 C1886 C1887 C1888 C1889 C1890 C1891 C1892 C1893 C1894 C1895 C1896 C1897 C1898 C1899 C1900 C1901 C1902 C1903 C1904 C1905 C1906 C1907 C1908 C1909 C1910 C1911 C1912 C1913 C1914 C1915 C1916 C1917 C1918 C1919 C1920 C1921 C1922 C1923 C1924 C1925 C1926 C1927 C1928 C1929 C1930 C1931 C1932 C1933 C1934 C1935 C1936 C1937 C1938 C1939 C1940 C1941 C1942 C1943 C1944 C1945 C1946 C1947 C1948 C1949 C1950 C1951 C1952 C1953 C1954 C1955 C1956 C1957 C1958 C1959 C1960 C1961 C1962 C1963 C1964 C1965 C1966 C1967 C1968 C1969 C1970 C1971 C1972 C1973 C1974 C1975 C1976 C1977 C1978 C1979 C1980 C1981 C1982 C1983 C1984 C1985 C1986 C1987 C1988 C1989 C1990 C1991 C1992 C1993 C1994 C1995 C1996 C1997 C1998 C1999 C2000 C2001 C2002 C2003 C2004 C2005 C2006 C2007 C2008 C2009 C2010 C2011 C2012 C2013 C2014 C2015 C2016 C2017 C2018 C2019 C2020 C2021 C2022 C2023 C2024 C2025 C2026 C2027 C2028 C2029 C2030 C2031 C2032 C2033 C2034 C2035 C2036 C2037 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2045 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2056 C2057 C2058 C2059 C2060 C2061 C2062 C2063 C2064 C2065 C2066 C2067 C2068 C2069 C2070 C2071 C2072 C2073 C2074 C2075 C2076 C2077 C2078 C2079 C2080 C2081 C2082 C2083 C2084 C2085 C2086 C2087 C2088 C2089 C2090 C2091 C2092 C2093 C2094 C2095 C2096 C2097 C2098 C2099 C2100 C2101 C2102 C2103 C2104 C2105 C2106 C2107 C2108 C2109 C2110 C2111 C2112 C2113 C2114 C2115 C2116 C2117 C2118 C2119 C2120 C2121 C2122 C2123 C2124 C2125 C2126 C2127 C2128 C2129 C2130 C2131 C2132 C2133 C2134 C2135 C2136 C2137 C2138 C2139 C2140 C2141 C2142 C2143 C2144 C2145 C2146 C2147 C2148 C2149 C2150 C2151 C2152 C2153 C2154 C2155 C2156 C2157 C2158 C2159 C2160 C2161 C2162 C2163 C2164 C2165 C2166 C2167 C2168 C2169 C2170 C2171 C2172 C2173 C2174 C2175 C2176 C2177 C2178 C2179 C2180 C2181 C2182 C2183 C2184 C2185 C2186 C2187 C2188 C2189 C2190 C2191 C2192 C2193 C2194 C2195 C2196 C2197 C2198 C2199 C2200 C2201 C2202 C2203 C2204 C2205 C2206 C2207 C2208 C2209 C2210 C2211 C2212 C2213 C2214 C2215 C2216 C2217 C2218 C2219 C2220 C2221 C2222 C2223 C2224 C2225 C2226 C2227 C2228 C2229 C2230 C2231 C2232 C2233 C2234 C2235 C2236 C2237 C2238 C2239 C2240 C2241 C2242 C2243 C2244 C2245 C2246 C2247 C2248 C2249 C2250 C2251 C2252 C2253 C2254 C2255 C2256 C2257 C2258 C2259 C2260 C2261 C2262 C2263 C2264 C2265 C2266 C2267 C2268 C2269 C2270 C2271 C2272 C2273 C2274 C2275 C2276 C2277 C2278 C2279 C2280 C2281 C2282 C2283 C2284 C2285 C2286 C2287 C2288 C2289 C2290 C2291 C2292 C2293 C2294 C2295 C2296 C2297 C2298 C2299 C2300 C2301 C2302 C2303 C2304 C2305 C2306 C2307 C2308 C2309 C2310 C2311 C2312 C2313 C2314 C2315 C2316 C2317 C2318 C2319 C2320 C2321 C2322 C2323 C2324 C2325 C2326 C2327 C2328 C2329 C2330 C2331 C2332 C2333 C2334 C2335 C2336 C2337 C2338 C2339 C2340 C2341 C2342 C2343 C2344 C2345 C2346 C2347 C2348 C2349 C2350 C2351 C2352 C2353 C2354 C2355 C2356 C2357 C2358 C2359 C2360 C2361 C2362 C2363 C2364 C2365 C2366 C2367 C2368 C2369 C2370 C2371 C2372 C2373 C2374 C2375 C2376 C2377 C2378 C2379 C2380 C2381 C2382 C2383 C2384 C2385 C2386 C2387 C2388 C2389 C2390 C2391 C2392 C2393 C2394 C2395 C2396 C2397 C2398 C2399 C2400 C2401 C2402 C2403 C2404 C2405 C2406 C2407 C2408 C2409 C2410 C2411 C2412 C2413 C2414 C2415 C2416 C2417 C2418 C2419 C2420 C2421 C2422 C2423 C2424 C2425 C2426 C2427 C2428 C2429 C2430 C2431 C2432 C2433 C2434 C2435 C2436 C2437 C2438 C2439 C2440 C2441 C2442 C2443 C2444 C2445 C2446 C2447 C2448 C2449 C2450 C2451 C2452 C2453 C2454 C2455 C2456 C2457 C2458 C2459 C2460 C2461 C2462 C2463 C2464 C2465 C2466 C2467 C2468 C2469 C2470 C2471 C2472 C2473 C2474 C2475 C2476 C2477 C2478 C2479			

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

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	CURR STATUS	REQUIREMENTS STAT QUANTITY	RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL					
								LOT QUANTITY	LOT DATE	LOT LIFE	BIN/LOC QUANTITY		
46	M55342K0691700R RESISTOR,CHIP,100W,1M OHM ORIGINAL QUANTITY...	EA	6.00				SK2 FN-49 R506 R515 R556 R604 R616 R656	0.00					
				RSVD	6.00	114819	SKCFC2 114819	654.00	09-23-04				
							PULLED:						
							114977	21.00	09-27-04				
							PULLED:						
47	M55342K0982ECCR RES CHIP,2.0CK,1/4,72W ORIGINAL QUANTITY...	EA	1.00				SK2 FN-50 R235	0.00					
			1.00	RSVD	1.00	115091	SKCFC2 115091	141.00	09-28-04				
							PULLED:						
48	M55342K0691E74R RESISTOR "A" ORIGINAL QUANTITY...	EA	3.00				SK2 FN-52 R71 R76 R77	0.00					
			3.00	RSVD	3.00	114980	SKCFC2 114980	57.00	09-27-04				
							PULLED:						
49	M55342K0684E75R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	03521	SK2 FN-53 R309 R409	6.00	11-11-03	S10A			
			2.00				SKCFC2 91316	69.00	09-24-03	CF2C			
							PULLED:						
							114981	488.00	09-27-04				
							PULLED:						
50	M55342K0685E62R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	119010	SK2 FN-56 R14	29.00	11-30-04	S28			
			1.00				SKCFC2 114984	144.00	09-27-04				
							PULLED:						
51	M55342K0688E35R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	84080	SK2 FN-57 R3 R10	20.00	04-16-03	S28			
			2.00				SKCFC2 114988	69.00	09-27-04				
							PULLED:						
52	M55342K06810E0A RESISTOR,CHIP,100W,10K O ORIGINAL QUANTITY...	EA	21.00				SK2 FN-59 R85 R86 R87 R503 R516 R520 R550 R551 R601 R618 R620 R650 R681 R824 R826 R843 R848 R856 R858 R897 R908	0.00					
			21.00	RSVD	21.00	114800	SKCFC2 114830	301.00	09-23-04	CP2C			
							PULLED:						
							114987	69.00	09-27-04				
							PULLED:						

ASSEMBLY # : 1AT-DS-02188
NO QUANTITY : 1
LOCATION: W02

BY LINE ITEM

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

IS FULLED: _____

FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RSVD IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL				
									LOT	LOT DATE	BIN	QUANTITY	LOT LIFE
	RESISTOR, CHIP, 100W, 10K 0	EA						91324	58.00	09-24-03			
	Coat from prior page.							FULLED:					
53	CDR048X104AKUS CAP, .1UF,50V	EA	32.00					SK2 FN-1 C100 C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120					
	ORIGINAL QUANTITY...		32.00					SKCF2	114935	536.00	09-27-04	/	
				RSVD	32.00	114935		FULLED:					
54	CDR318X102BKUS CAPACITOR	EA	2.00					SK2 FN-3 C530 C630		0.00		/	
	ORIGINAL QUANTITY...		2.00					SKCF2	114936	982.00	09-27-04	/	
				RSVD	2.00	114936		FULLED:					
55	CDR318X100BKUS CAPACITOR	EA	14.00					SK2 FN-3 C200 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220					
	ORIGINAL QUANTITY...		14.00					SKCF2	114938	896.00	09-27-04	/	
				RSVD	14.00	114938		FULLED:					
56	CDR318X222BKUS CAPACITOR	EA	4.00					SK2 FN-7 C603 C604 C605 C606 C607 C608 C609 C610 C611 C612 C613 C614 C615 C616 C617 C618 C619 C620					
	ORIGINAL QUANTITY...		4.00					SKCF2	114940	2476.00	09-27-04	/	
				RSVD	4.00	114940		FULLED:					
57	CDR318X473BKUS CAPACITOR	EA	7.00					SK2 FN-9 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					
	ORIGINAL QUANTITY...		7.00					SKCF2	114755	1251.00	09-23-04	/	
				RSVD	7.00	114759		FULLED:					
								SKCF2	114942	323.00	09-27-04	/	
								FULLED:					
58	CDR318P470BKUS CAPACITOR	EA	4.00					SK2 FN-10 C102 C511 C561 C561		0.00		/	
	ORIGINAL QUANTITY...		4.00					SKCF2	115000	847.00	09-26-04	/	
				RSVD	4.00	115000		FULLED:					
59	CDR048P104KUS CAPACITOR	EA	80.00					SK2 FN-1 C100 C101 C102 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					
	ORIGINAL QUANTITY...		80.00					SKCF2	114800	655.00	09-23-04	/	
				RSVD	77.00	114800		FULLED:					
				RSVD	12.00	114943		FULLED:					

ASSEMBLY # : LAT-DS-02388
#1 QUANTITY : 1
LOCATION: WCR

BY LINE ITEM

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

IS PULLED:

PULLED BY:

LINE #	PART NUMBER AND DESCRIPTION	EA	REQUIREMENTS		REQD QTY	CURR STATUS	RSVD	REQD QTY	LOC #	INVLG NUMBER	LOT NUMBER	INVENTORY DETAIL		
			UM	QTY								QTY	QTY	LOT
	CAPACITOR Cont from prior page	EA									114943	1900.00	09-27-04	
											PULLED:			
60	CDR318P1018KUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00				4.00	114944		SK2 FN-12 C121 C507 C607 C612		0.00		
											PULLED:			
											SKCF2 114944	526.00	09-27-04	
											PULLED:			
61	JANTXVIN4489US DIODE ORIGINAL QUANTITY...	EA	1.00				1.00			SK2 FN-25 D500		0.00		
											PULLED:			
											SKCF2 114954	2.00	09-27-04	
											PULLED:			
62	RNE110 FUSE, POLYSWITCH ORIGINAL QUANTITY...	EA	2.00				2.00	114958		SK2 FN-33 F4 F5		0.00		
											PULLED:			
											SKCF2 114958	54.00	09-27-04	
											PULLED:			
63	RW8898R200FR RESISTOR ORIGINAL QUANTITY...	EA	1.00				1.00	114968		SK2 FN-43 R22		0.00		
											PULLED:			
											SKCF2 114968	97.00	09-27-04	
											PULLED:			
64	M56142HC681B21R RESISTOR ORIGINAL QUANTITY...	EA	4.00				4.00	114970		SK2 FN-45 R20 R51 R59 R61		0.00		
											PULLED:			
											SKCF2 114970	278.00	09-27-04	
											PULLED:			
65	M56142HC681B21R RESISTOR ORIGINAL QUANTITY...	EA	6.00				6.00	114979		SK2 FN-51 R37 R40 R64 R65 R66 R67		0.00		
											PULLED:			
											SKCF2 114979	467.00	09-27-04	
											PULLED:			
66	M56142HC09R10FR RESISTOR ORIGINAL QUANTITY...	EA	4.00				4.00	114920		SK2 FN-60 R513 R544 R643 R644		0.00		
											PULLED:			
											SKCF2 114920	100.00	09-27-04	
											PULLED:			
											SKCF2 114988	212.00	09-27-04	
											PULLED:			

ASSEMBLY # : LAT-DS-02188
NO. QUANTITY : 1
LOCATION : W02

BY LINE ITEM

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

... & PULLED: _____ PULLED BY: _____

LT#	PART NUMBER AND DESCRIPTION	UN	REQUIRED QUANTITY	CURR STAT	STATUS	RESV IN QUANTITY	RECV IN LOT #	INVENTORY DETAIL			
								INVL0C NUMBER	LOT QUANTITY	LOT DATE	SIN
74	M55342K0684559R RESISTOR, 49.2Kohms ORIGINAL QUANTITY...	EA	6.00	RSVD		6.00	83542	SK2 83542 FN-68 R27 R42 R500 R599 R698 R699	335.00	03-31-03	
			6.00					PULLED:			
								SK2 83256 FN-68 R27 R42 R500 R599 R698 R699	18.00	03-19-03	SLE
								PULLED:			
								SKCF2 114996	269.00	09-27-04	
								PULLED:			
75	M55342K0686189R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD		1.00	84046	SK2 84266 FN-69 R667	21.00	04-19-03	S7H
			1.00					PULLED:			
								SKCF2 114997	144.00	09-27-04	
								PULLED:			
76	M55342K0681000R RESISTOR, CHIP, 100W, 100 OH ORIGINAL QUANTITY...	EA	4.00	RSVD		4.00	104427	SK2 104427 FN-70 R501 R530 R611 R630	256.00	04-27-04	S7H
			4.00					PULLED:			
								SKCF2 114922	348.00	03-23-04	
								PULLED:			
								114998	6.00	09-27-04	
								PULLED:			
77	M55342K0681000R RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	13.00	RSVD		6.00	84560	SK2 84560 FN-71 R6 R7 R200 R201 R202 R203 R204 R206 R217 R513 R597 R613 R697	10.00	01-08-04	
			13.00					PULLED:			
								SK2 84225 FN-71 R6 R7 R200 R201 R202 R203 R204 R206 R217 R513 R597 R613 R697	22.00	03-15-03	S90
								PULLED:			
								SKCF2 114923	1336.00	09-23-04	S90
								PULLED:			
								114999	160.00	09-27-04	
								PULLED:			
								84296	40.00	01-08-04	
								PULLED:			
78	M55342K0680010R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD		1.00	50769	SK2 50769 FN-72 R10	53.00	12-20-00	S90
			1.00					PULLED:			
								SKCF2 91135	84.00	09-24-03	CFDC
								PULLED:			
								115000	47.00	09-27-04	
								PULLED:			
79	M55342K0784000R RES 100K, 1/4W, 1% ORIGINAL QUANTITY...	EA	1.00	RSVD		1.00	84273	SK2 84273 FN-73 R511	24.00	04-19-03	S10
			1.00					PULLED:			

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

BY LINE ITEM

EFFECTIVITY DATE: 02-10-09
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-08

... PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
								LOT QUANTITY	LOT DATE	BIN
79	D55242K07B402ER RES. 402K, 1/4W, 1% Cont from prior page.	EA	1.00				1714 FN-73 R512 PULLED:	10.00	09-26-98	
							SKCF2 115001 PULLED:	93.00	09-27-04	
80	D55342K07B511ER RESISTOR ORIGINAL QUANTITY...	EA	10.00				SK2 FN-74 R531 R551 R554 R555 R611 R612 R633 R653 R654 R655 PULLED:	10.00		
				RSVD	10.00	115002	SKCF2 115002 PULLED:	145.00	09-27-04	
81	M55342K06B5492K RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-75 R112 R142 PULLED:	0.00		
				RSVD	2.00	115003	SKCF2 115003 PULLED:	455.00	09-27-04	
82	R311916-C057R6 RESISTOR, 30K ORIGINAL QUANTITY...	EA	2.00				SK2 FN-79 R1 R2 PULLED:	0.00		
				RSVD	2.00	115004	SKCF2 115004 PULLED:	45.00	09-27-04	
							114825 PULLED:	2.00	09-23-04	
83	JANTXV2N2222AUB TRANSISTOR NPN ORIGINAL QUANTITY...	EA	21.00				SK2 FN-80 Q1 Q2 Q4 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q401 Q402 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Q410 PULLED:	21.00	12-16-04	
				RSVD	21.00	120303	SKCF2 120303 PULLED:	35.00	09-27-04	
84	JANTXV2N29C7AUB TRANSISTOR ORIGINAL QUANTITY	EA	2.00				SK2 FN-82 Q599 Q699 PULLED:	0.00		
				RSVD	2.00	115007	SKCF2 115007 PULLED:	90.00	09-27-04	
85	M55112K08B1895R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-54 R519 R619 PULLED:	0.00		
				RSVD	2.00	114982	SKCF2 114982 PULLED:	227.00	09-27-04	

WORK ORDER : 112059

(NEW)

WORK ORDER PICK LIST

PAGE: 14

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

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05
RELEASE DATE : 12-07-04
DATE PRINTED : 02-11-05

IS PULLED: _____

PULLED BY: _____

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			RESV IN LOT #	INVLOC	LOT NUMBER	INVTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS	STAT				QUANTITY	LOT QUANTITY	LOT LIFE	BINLOC
86	M55342K06B5E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD		2.00	60670	SK2 FN-55 R308 R608 PULLED:	52.00	09-07-01	S9F	
			2.00					FN-55 R308 R608 PULLED:	9.00	03-19-03		
								SKCF2 PULLED:	201.00	09-23-04		
								11498J PULLED:	222.00	09-27-04		
87	M55342K09B10D0R RESISTOR ORIGINAL QUANTITY...	EA	1.00			1.00		SK2 FN-55 R611 PULLED:	1.00			
				RSVD		1.00	11498G	SKCF2 PULLED:	241.00	09-27-04		

DEFECT RECORD REPORT

ID: 30011

PART NUMBER: LAT-DS-02308

INSPECTION TYPE: CUSTOMER SOURCE

OFF SOLDER: 0

WORK ORDER: 112059

INSPECTION LEVEL: 1

OFF ASSEMBLY: 0

SALES ORDER: F17300

INSPECTOR: EMARTINEZ


DATE: 3/12/05

QUANTITY: 1 RW QTY: 1

WEEK CODE: 12

CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT104	1	1639	P006		PROBE MARKS (DISTURBED SOLDER)	C501	Reflowed  03-12-05-14 P
GT104	1	1639	P006		PROBE MARKS (DISTURBED SOLDER)	C511	Reflowed  03-12-05-14 P

3/12/05 

DEFECT RECORD REPORT

REF: 29377

PART NUMBER: LAT DS-02388

WORK ORDER: 112029

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: 1ST SOLDER INSPECTOR

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 0

OFF ASSEMBLY: 0

DATE: 2/14/2005

WEEK CODE: 9

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
106	2	R29	A342		> 25% OVERHANG	L1.3	
106	2	R29	S402		INSUFFICIENT SOLDER	L10.3	
106	1	R29	S407		NON SOLDERED CONNECTION	D2	
106	1	R29	S412		< 75% HEEL FILLET AT 10X MAGN	D20	

Cleaned in Aquadax 2-23-05

2/23/05

*Short 2/15/05
B500 2/15/05*

2/15/05 CVD1920 2/15/05

DEFECT RECORD REPORT

ID: 31008

PART NUMBER: LAT-DS-02388

INSPECTION TYPE: CUSTOMER SOURCE

OFF SOLIDER: 0

WORK ORDER: 112059

INSPECTION LEVEL: 1

OFF ASSEMBLY: 0

SALES ORDER: F17300

INSPECTOR: EMARTINEZ

DATE: 4/27/2005

QUANTITY: 1 RW QTY: 1

WEEK CODE: 19

CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT106	1	1288	S400	1-BIG RUNNER	PITS AND VOIDS	GT151	

04/27/05 Rework done by [signature] 04/27/05

[Signature]
4/27/05

CCA PIN: LAT-DS-02388 GLAT1776 GT106

W.O. #: 112059

CC Tech: DM/1035 (Initial / Employee #)

Date: 5/02/05

MIX RATIOS

Coating TYPE: ARA-THANE Mfr: HUNTSMAN

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

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




AIR CURE: 5/02/05 12:20 PM - 2:30 PM

OVEN CURE: 5/02/05 2:30 PM - 3:50 PM

REWORK TRAVELER

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

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


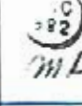

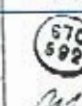



STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>106</u> GLAT- <u>1776</u>	 <i>By P</i>	04/28/05	
2	OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40	P.O. 1946	4/28/05	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED. <i>INSPECT BONDING PCB</i>	<i>4/28/05</i> 		
	SOURCE INSPECTION		4/28/05	

REWORK TRAVELER

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

STEP	OPERATION	Operator Sign Off.	Date	Time spent
	RE-NCMR 2323.			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792__ Serial Number <u>GT 106 G LAT 1776</u>	 B.P.	04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	 M.D.	4/25/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	 C.H.P.	04/25/05	
4	TRIM CABLE TIES FLUSH TO THE STRAP HEAD ADD A DROP OF ADHESIVE TO THE CUT STRAP SO THAT THE ADHESIVE FLOWS DOWN INTO THE LOCKING MECHANISM. USE HYSOL 0151 ADHESIVE <i>REFER TO CAA LAT-DS-02388 FOR MIX INSTRUCTIONS</i>	 C.H.P.	04/25/05	
5	Hysol 0151 data: DATE MIXED <u>04-25-05</u> Expiration Date <u>01-31-07</u> PO# <u>31403</u>	 M.P.	04/25/05	
6	Inspection		4/26/05	
7	Source Inspection		4/26/05	





REWORK TRAVELER

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

STEP	OPERATION	Operator	Date	Time spent
	NCMR 2305 REMOVE AND REPLACE Q10, Q11, AND Q12			
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>106</u> , GLAT- <u>1776</u>	Byr	04/20/05	
2	OPERATOR: REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG. KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.	GTC 1298 Byr GTC 1298 Byr GTC 1298 Byr	4/23/05 4/23/05 4/23/05	
3	OPERATOR: VERIFY PADS HAVE NO DAMAGE.  4.23.05	Byr	4/23/05	
3	OPERATOR: SOLDER Q10, Q11, AND Q12 ONTO BOARD USE THE METCAL SOLDERING IRON WITH A .5" BLADE TIP.	GTC 1298 Byr	04/23/05	
4	OPERATOR: HAND CLEAN BOARDS USING ALCOHOL.	GT 1298 Byr	4/23/05	
5	INSPECTION: INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS		4/23/05	
6	SOURCE INSPECTION		4/24/05	


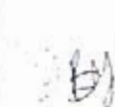





REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
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ASSEMBLY NAME: TPS CCA	QTY: 1
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APPROVAL (Original signed edition reserved for copying.)							
G. POZZI	4-18-05	G. HEFKIN	4-18-05	K. BERGTHOLDT	4/18/05	P. LUJAN	4-18-05
PREPARED BY	DATE	ENG MGR SUP.	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>106</u> GLAT- <u>1776</u>		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.		04/23/05	
3	AQUEOUS CLEAN USING RECIPE #3		04/23/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		4/26/05	
5	SOURCE INSPECTION		4/26/05	

GENERAL TECHNOLOGY CORPORATION

NONCONFORMANCE MATERIAL/RMA REPORT

<p>NCMR NUMBER <input style="width: 50px;" type="text" value="2294"/></p> <p>DATE <input style="width: 50px;" type="text" value="4/11/2005"/></p> <p>CUSTOMER <input style="width: 100px;" type="text" value="SLAC"/></p> <p>CUSTOMER CONTACT <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>VENDOR <input style="width: 100px;" type="text"/></p> <p>PART NUMBER <input style="width: 100px;" type="text" value="LAT-DS-02388"/></p> <p>LOT QUANTITY <input style="width: 50px;" type="text" value="8"/></p> <p>SALES ORDER <input style="width: 100px;" type="text" value="F17300"/></p> <p>PURCHASE ORDER <input style="width: 100px;" type="text" value="48800"/></p> <p>LOT NUMBER <input style="width: 100px;" type="text"/></p> <p>WORK ORDER <input style="width: 100px;" type="text" value="112084"/></p> <p>INITIATOR <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>ASSIGNED TO <input style="width: 100px;" type="text" value="SLAC"/></p> <p>DATE REQUIRED <input style="width: 50px;" type="text"/></p> <p>ASSIGNED TO SIGNATURE <input style="width: 100px;" type="text" value="Pat Lujan"/></p>	<p>CUSTOMER RETURN <input type="checkbox"/></p> <p>RMA NUMBER <input style="width: 50px;" type="text"/></p> <p>QUANTITY RETURNED <input style="width: 50px;" type="text"/></p> <p>VENDOR DEFECT <input type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text"/></p> <p>PRODUCTION DEFECT <input checked="" type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text" value="8"/></p> <p>REWORK REQUIRED <input type="checkbox"/></p> <p>QUANTITY REWORKED <input style="width: 50px;" type="text" value="0"/></p> <p>PURCHASING DEFECT <input type="checkbox"/></p> <p>PURCHASING QUANTITY REJECTED <input style="width: 50px;" type="text"/></p>
DISCREPANCY	<p>I/S: insufficient staking on tantalum capacitors.</p> <p>S/B: Staking material should be in contact with both endfaces of the component.</p> <p>GLAT SN's 1774,1776, 1776, 1778, 1779, 1780, 1781, 1782</p>
NOTES	<p>Per MRB Telecon held 4-15-2005: Staking of sleeved Ta capacitors on TPS CCA LAT-DS-02388 is acceptable as is. Capacitors are staked along entire length but no staking comes in direct contact with the capacitor body. A thin bead of staking compound would have to be applied to the ends of the capacitor to reach inside the open ends of the sleeving. Photos of typical staking of the capacitors were reviewed and MRB agreed that the existing staking along with conformal overcoat would provide sufficient mechanical staking of the Ta capacitors to the CCA. Rework is not required for any staked Ta capacitors on TPS CCAs.</p>
CAUSE	<p>Misinterpretation of Staking Specification, J-STD-001CS Para. 10.3.d.</p>
CORRECTIVE ACTION	<p>All personnel involved in this operation to receive additional training. This includes the SLAC on site QA representative. SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.</p>
FINAL DISPOSITION	<p><input style="width: 100px;" type="text" value="USE AS IS"/></p>
Q/A APPROVAL	<p><input style="width: 100px;" type="text" value="E-mails on file"/></p>
Q/A APPROVAL DATE	<p><input style="width: 50px;" type="text" value="4/15/2005"/></p>

GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	<input type="text" value="2305"/>	CUSTOMER RETURN	<input type="checkbox"/>
DATE	<input type="text" value="4/14/2005"/>	RMA NUMBER	<input type="text"/>
CUSTOMER	<input type="text" value="SLAC"/>	QUANTITY RETURNED	<input type="text"/>
CUSTOMER CONTACT	<input type="text" value="Pat Lujan"/>	VENDOR DEFECT	<input type="checkbox"/>
VENDOR	<input type="text"/>	QUANTITY REJECTED	<input type="text"/>
PART NUMBER	<input type="text" value="LAT-DS-02338"/>	PRODUCTION DEFECT	<input checked="" type="checkbox"/>
LOT QUANTITY	<input type="text" value="19"/>	QUANTITY REJECTED	<input type="text" value="19"/>
SALES ORDER	<input type="text" value="F17300"/>	REWORK REQUIRED	<input checked="" type="checkbox"/>
PURCHASE ORDER	<input type="text" value="48800"/>	QUANTITY REWORKED	<input type="text" value="19"/>
LOT NUMBER	<input type="text"/>	PURCHASING DEFECT	<input type="checkbox"/>
WORK ORDER	<input type="text" value="112064"/>	PURCHASING QUANTITY REJECTED	<input type="text"/>
INITIATOR	<input type="text" value="Pat Lujan"/>		
ASSIGNED TO	<input type="text" value="SLAC"/>		
DATE REQUIRED	<input type="text" value="4/25/2005"/>		
ASSIGNED TO SIGNATURE	<input type="text" value="SLAC"/>		
DISCREPANCY	<p>IS: On components Q10, Q11, and Q12 solder is grainy and cold exhibiting evidence of gold embrittlement.</p> <p>SB: Should exhibit a properly wetted solder joint.</p> <p>This condition exists on GT104 thru GT122 GLAT 1774 thru GLAT 1792.</p>		
NOTES	<p>Per MRB Telecon held 4-15-2005: MRB concluded to remove and replace mosfets (P/N IRHNU5970345CS, DLC 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-tinned prior to surface mount. Grainy, discolored solder joints indicated excessive gold contamination that could result in embrittling the joint.</p>		
CAUSE	<p>Parts were provided in bulk to GTC. GTC outsourced tape and reel operation. Parts were not pre-tinned prior to Surface Mount Assembly.</p>		
CORRECTIVE ACTION	<p>Schedule a MRB meeting with SLAC and GTC to determine method of removal, pre-tn, and reworking of these components.</p> <p>Remove and replace with properly removed Gold per J-STD-001CS Para 5.4.1.</p> <p>SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.</p>		
FINAL DISPOSITION	<input type="text" value="REWORK"/>		
Q/A APPROVAL	<input type="text" value="E-mails on file"/>		

GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

<p>NCMR NUMBER <input style="width: 50px;" type="text" value="2323"/></p> <p>DATE <input style="width: 50px;" type="text" value="4/25/2005"/></p> <p>CUSTOMER <input style="width: 100px;" type="text" value="SLAC"/></p> <p>CUSTOMER CONTACT <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>VENDOR <input style="width: 100px;" type="text"/></p> <p>PART NUMBER <input style="width: 100px;" type="text" value="LAT-DS-02388"/></p> <p>LOT QUANTITY <input style="width: 50px;" type="text" value="19"/></p> <p>SALES ORDER <input style="width: 100px;" type="text" value="F17300"/></p> <p>PURCHASE ORDER <input style="width: 100px;" type="text" value="48800"/></p> <p>LOT NUMBER <input style="width: 100px;" type="text" value="All TPS"/></p> <p>WORK ORDER <input style="width: 100px;" type="text"/></p> <p>INITIATOR <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p>ASSIGNED TO <input style="width: 100px;" type="text" value="Tarkington"/></p> <p>DATE REQUIRED <input style="width: 50px;" type="text" value="4/28/2005"/></p> <p>ASSIGNED TO SIGNATURE <input style="width: 100px;" type="text"/></p>	<p>CUSTOMER RETURN <input type="checkbox"/></p> <p>RMA NUMBER <input style="width: 50px;" type="text"/></p> <p>QUANTITY RETURNED <input style="width: 50px;" type="text"/></p> <p>VENDOR DEFECT <input type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text"/></p> <p>PRODUCTION DEFECT <input type="checkbox"/></p> <p>QUANTITY REJECTED <input style="width: 50px;" type="text"/></p> <p>REWORK REQUIRED <input checked="" type="checkbox"/></p> <p>QUANTITY REWORKED <input style="width: 50px;" type="text" value="19"/></p> <p>PURCHASING DEFECT <input type="checkbox"/></p> <p>PURCHASING QUANTITY REJECTED <input style="width: 50px;" type="text"/></p>
<p>DISCREPANCY <input style="width: 100%; height: 40px;" type="text" value="IS: Cable Tie are trimmed below strap head.
Should Be: Per NASA-STD-8739.4 Para. 9.6.2 Cable ties should be trimmed flush at the strap head."/></p>	
<p>NOTES <input style="width: 100%; height: 40px;" type="text" value="During Qual + 2 the material used to stake the cable tie heads did not adhere properly. The requirement was deleted from the drawing."/></p>	
<p>CAUSE <input style="width: 100%; height: 40px;" type="text" value="Tool used to install cable ties was not adjusted properly."/></p>	
<p>CORRECTIVE ACTION <input style="width: 100%; height: 40px;" type="text" value="Install cable ties with properly adjusted tool or manually Per NASA-STD_8739.4 Para. 9.6.2. Stake with Hysol 0151. Add Staking requirements to drawing. Rework all assemblies per rework traveler."/></p>	
<p>FINAL DISPOSITION <input style="width: 100px;" type="text" value="REWORK"/></p>	
<p>Q/A APPROVAL <input style="width: 100px;" type="text" value="E-mails on file"/></p>	
<p>Q/A APPROVAL DATE <input style="width: 50px;" type="text" value="4/15/2005"/></p>	
<p>COST OF QUALITY <input style="width: 100px;" type="text"/></p>	

GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

Q/A APPROVAL DATE

4/15/2005

COST OF QUALITY

DEFECT RECORD REPORT

ID: 31738

PART NUMBER: LAT-DS-02388

INSPECTION TYPE: COATING

OFE SOLDER: 0

WORK ORDER: 112059

INSPECTION LEVEL: 1

OFE ASSEMBLY: 7

SALES ORDER: F17330

INSPECTOR: EMARTINEZ

DATE: 5/3/2005

QUANTITY: 1 RW QTY: 1

WEEK CODE: 57

CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT106	1	1035	A309	1-BIG RUNNER	INSUFFICIENT COATING / POTTING / BONDI		
GT105	1	1035	A354	1-BIG RUNNER	ALL OTHER ASSEMBLY DEFECTS	R2	

*5-4-05
G.M.*

5/4/05

WRK CELL: 4-MIXED

CUSTOMER: SLAC

YPR: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

SS: LAT-DS-02331-01
SSV: LABEL: TFS O/P PAR

WOB 112044
REQ DATE 03-28-05
REQ DATE 03-03-05
SOS
FOR 0000048800

CUST PR QTY 10
PROJECTS #17300
CUST# 15356

*SERIAL NUMBER LISTING:*****

APPROVAL
PROD: *EM 2/8/05*
QA: *MDR, 2-9-05*

N/A

*WORKMANSHIP:*****

ANSI-Z-39-18 CLASS 3, OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ASU72)

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV DATE
<i>A¹</i>	<i>3</i>	<i>N/A</i>	<i>3</i>		<i>mm 2/8/05</i>
<i>B</i>	<i>4</i>	<i>N/A</i>	<i>3</i>	<i>To move</i>	<i>mm 3/2/05</i>
<i>A²</i>	<i>2</i>	<i>N/A</i>	<i>6</i>	<i>To move</i>	<i>mm 3/18/05</i>
<i>A^{1B}</i>	<i>2</i>	<i>N/A</i>	<i>7</i>	<i>To move</i>	<i>mm 3/23/05</i>
<i>A^{1A2}</i>	<i>6</i>	<i>N/A</i>	<i>7</i>	<i>To move</i>	<i>3/31/05</i>

(whdt rev 05.19.04 gih)

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



0 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
 DOCUMENT NUMBER REV PD/PL OUTSTANDING EQ'S
 ASSY & PL: LAT-DS-02331 52 NONE
 (REFERENCE ASSY/PL: LAT-DS-02336 FOR RTV APPLICATION ROT)
 TEST SPEC: N/A
 ASSY AID: N/A
 CUSTOMER NAME: SLAC
 ***** BUILD DOCUMENTS *****
 USE... TRAVELER AND DRAWING
 (REV/D)/PREP'D BY: GH (DATE/DATE: 02.03.05)

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

2905

MDR



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASZ # LAT-DS-02531-31
ASL ABLE, TPS D/P FWR

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

CUST #
QTY 19
PROJECT# F17300
CUST# 15356

PAGE 2

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.

QTY. REMARKS..... STATUS
219/15 19
[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASN# LAT-DG-02831-01
CABLE, TFS O/P PWR

WOB 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOP
POP 0000048800

CUST PR
QTY 19
PROJECT# F17300
CUST# 15366

PAGE 3

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



3 210 00 CCA/BLACK BOX ASSY AREA 0 0000 0.0300 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 SCHMIDTNER PNEUMATIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 1.125"
AND LEAVES THE INSULATION SLUG IN PLACE.

• PRE-ASSY CRIMP TEST...

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

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

350
EUBANKS SMALL MODEL #4900-CAM
7/16 (.188)

• ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG. ~~WIRE LENGTH~~ 7/16 (.188)
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
• CUT 78 WIRES TO 8-1/2" (19.50") 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 (220) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.

2-15-05
3.16.05 crimp test H.G.#1941 pre-assy
3.17.05 crimp test H.G.#1941 pre-assy
3.18.05 post assy crimp test H.G.#1941

• POST-ASSY CRIMP TEST...

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

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

DATE	QTY	REMARKS	STATUS
2/15/05	4	78 wires x 4 = 312	Rm1970
3.17.05	2	156 wires	
3/16/05	1	4 parts	320

- 3.22.05 strip, tin, crimp H.G.#1941 (133)
- 3.27.05 strips H.G.#1941 (85)
- 3.23.05 crimp, tin, clean H.G.#1941 (492)
- 3.28.05 tin & clean H.G.#1941 (315)

ASS: 1 LAT-DS-02831-01
AGG: ADLE, TFS O/P PWR

WO# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOP
PO# 0000048901

CUST ID
QTY 19
PROJECT# F17300
CUST# 15256

LINE DEPT MACHS OPT 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	78 wires x 4	
3-17-05	2	156 wires	
3/17/05	2	dup of crimps	

A.G.#1441



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

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

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

checked strips 375 wires 3/22/05
1 1140

Checked crimps & tin 3/24/05

Checked wires for tinning 3/5 Em 1574

3-25-05 (6) A.G.#1441



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

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

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4	Inspect step 5	
3/17/05	2		

3/24/05 2

3-25-05 6 Check socket retention

4/21/05 5 " " "

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

AC: # LAT-DS-02831-01
ASS: CABLE, TPS O/P PWR

WOS 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOP# C000048900

CUST PH
QTY 10
PROJECT# F17300
CUST# 19358

PAGE 8

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



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

- * APPLY RTV, DCS-110A, 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 BOWS 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 (60 C).
- * RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

DATE	QTY	REMARKS	STATUS
3/24/05	2		As of 12/03
3/28/05	6	same lot of RTV used as above	H.G.#1941
4/22/05	6		17/12/05



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLOR-0 ASSY-7

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

DRR#(S) _____

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

DATE	QTY	REMARKS	STATUS
4/23/05	5		



ASSEMBLY # : LAT-DS-02831-01
WD VELOCITY : 19
WI LOCATION: W02

BY LINE ITEM

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

DATE FULLED: _____

FULLED BY: _____

LIS	PART NUMBER AND DESCRIPTION	UOM	REQUIREMENTS			RESV IN LOT #	SKCPS FN	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURS STAT	STATUS QUANTITY				LOT QUANTITY	LOT DATE	BINLOC	BIN QUANTITY
1	206507-1 CONN (311P407-55-B-15) ORIGINAL QUANTITY...	EA	1.00	RD	19.00		SKCPS FN-1		0.00			
<p>The following parts have been defined as alternates for 206507-1: LIS 1.1 311P407-55-B-15 1 PER Partial quantity replacements are allowed.</p> <p><i>Handwritten: 101# 114047</i></p>												
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	860.00	RSVD	16340.00	115299	SKCPS FN-3	115299	14056.00	10-01-04	LOT1152	
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	26.84	RD	510.00		SKCPS FN-2		0.00			
<p>The following parts have been defined as alternates for 206071-1: LIS 3.1 G0851 1 PER Partial quantity replacements are allowed.</p>												
3.1	G0851 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	51.16	RSVD	972.00	115021	SKCPS FN-2	115021	972.00	09-27-04		
<p>This line is an alternate part for line 3. G0851 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		SKCPS FN-2		0.00			
<p>REQUIREMENT SHOWS ON LAT-DS-02831-01. APPLY HERE. PULLED:</p>												

0710

CRIMP TENSILE STRENGTH LAT-05-028310

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD		POST - PROD	
CRIMP OPERATOR NAME/EMP #:	RHOYA MARRIOTT 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)		RHOYA MARRIOTT	
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A834)		WORK ORDER NO.	
SELECTOR VALUE:	3		112044	
TEST EQUIP # (Last CAL date):	AIPHATT2002MP 2007 (6.17.07)			
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
	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-)	RHOTON MARSHON
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		118044
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

1:10 P.M.

CRIMP TENSILE STRENGTH CAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD						
CRIMP OPERATOR NAME/EMP #:	Herbie Gray #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>1120ct4</td> </tr> </table>	TEST DATE	3.16.05	TESTED BY	Herbie Gray	WORK ORDER NO.	1120ct4
TEST DATE	3.16.05							
TESTED BY	Herbie Gray							
WORK ORDER NO.	1120ct4							
CONTACT PN:	206071-1							
WIRE PN:	M22759 / 11-74-9							
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC #102)							
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC #692)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	Alphatron MPI-200A (6-17-04)							
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:						

OBSERVATIONS/VALUES

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

1:15 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 #:		McOrq M 1#1262		TEST DATE	
CONTACT PN:		70671-1		3.16.05	
WIRE PN:		M22759 / 11-24-9		TESTED BY	
CRIMP TOOL PN (GTC Tool #):		M22520 / 2-01 (GTC 1011)		Herbie Gray	
DIE/LOCATOR PN (GTC Tool #):		M22520 / 2-06 (GTC 853)		WORK ORDER NO.	
SELECTOR VALUE:		3		117044	
TEST EQUIP # (Last CAL date):		Hudson MPT-200A (6/17/05)			
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	13.4	13.4	
PASS/FAIL (circle test result)		PASS	FAIL	PASS	FAIL
Type of Separation Observed					
SLIP (pull out) (a)					
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)				✓	
CONTACT BROKEN IN CRIMP AREA (some or all) (c)					
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	✓		
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)					
OTHER (define) (f)					
SPECIAL INSTRUCTIONS (as reqd):					

10:36 a.m.

for build of (e)

CRIMP TENSILE STRENGTH			
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-1100)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC-696)		WORK ORDER NO.
SELECTOR VALUE:	3		112044
TEST EQUIP # (Last CAL date):	Alabon MPF200A (6/7/04)		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:	
OBSERVATIONS/VALUES			
SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.6	13.6	13.4
PASS/FAIL (circle test result)	<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 A (12)

CRIMP TENSILE STRENGTH CAT-DS-02281-01			
MIL-STD-1344; METHOD 2003.1			
TEST TYPE (circle one):	<input checked="" type="radio"/> PRE-PROD		POST-PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1# 941		TEST DATE
CONTACT PN:	206071-1		3.22.05
WIRE PN:	M2259/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 12-01 (GTC # 102)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 12-06 (GTC # 853)		WORK ORDER NO.
SELECTOR VALUE:	3		112044
TEST EQUIP # (Last CAL date):	Aluminum MPT 2004 (6/7/04)		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD						
CRIMP OPERATOR NAME/EMP #:	Hester Gray #1941	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TEST DATE</td><td>3.23.05</td></tr> <tr><td>TESTED BY</td><td>Hester Gray</td></tr> <tr><td>WORK ORDER NO.</td><td>112044</td></tr> </table>	TEST DATE	3.23.05	TESTED BY	Hester Gray	WORK ORDER NO.	112044
TEST DATE	3.23.05							
TESTED BY	Hester Gray							
WORK ORDER NO.	112044							
CONTACT PN:	206071-1							
WIRE PN:	M22529 / 11-24-9							
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC #1012)							
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC #833)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	Alcatraz-2001 (left)							
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:						

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.1	13.7	13.4
PASS/FAIL (circle test result)	PASS	FAIL	PASS
	PASS	FAIL	PASS
	PASS	FAIL	PASS
	PASS	FAIL	PASS
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	PASS	FAIL	

CRIMP TENSILE STRENGTH Assy-LAT-DS 02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa ¹ 1742	TEST DATE 4-20-05 TESTED BY Martha Villa WORK ORDER NO. 112044
CONTACT PN:	206071-1	
WIRE PN:	m22759/11-24.9	
CRIMP TOOL PN (GTC Tool #):	m22520/2-01 (GTC A 833)	
DIE/LOCATOR PN (GTC Tool #):	m22520-2-06 (GTC A 833)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	7-6-05 ()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	12.6	12.5	12.6
PASS/FAIL (circle test result)	PASS	FAIL	PASS

	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: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PL: LAT-DS-02830-01
CABLE: TPS 1/P PWR

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

CUST #
QTY 19
PROJECT# 817300
CUST# 15356

PAGE 1

SERIAL NUMBER LISTING

N/A

APPROVAL
PROD: Kate 2/3/05
QA: Wm 2-2-05

WORKMANSHIP

ANSI-J-STD-021C CLASS 3, OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV & DATE
A	15	N/A	6		mm 3/10/05
B	4	N/A	6	to mtrc.	mm 3/10/05

(wobdr rev 05.19.04 glh)

LINE DEPT MACH# OF: DESCRIPTION SET-UP RUN... HOURS LINE-MACH AT-LOT:



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
 ASSY & PL: DOCUMENT NUMBER REV FD/PL OUTSTANDING DO'S
 (REFERENCE ASSY/PL LAT-DS-02830 53 NONE)
 (REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION ROT)
 TEST SPEC: N/A
 ASSY AID: N/A
 CUSTOMER NAME: SIAC
 ***** BUILD DOCUMENTS *****
 USE... TRAVELER AND DRAWING
 (REV'D/PREP'D BY: GH (DATE)DATE: 02.03.05



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

2-7-05

mm

WORK CELL: 4-MIXED

CUSTOMER: SIAM

TYPE: PRODUCTION

WORK ORDER TRAVELLER NEW

PAGE 2

PN# LAT-DS-02830-01
CABLE, TFS I/P FWR

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

CUST P#
QTY 15
PROJECT# F17300
CUST# 1535A

.....
LI# DEPT MACH# OP# DESCRIPTION..... HOURS
SPT-UP RIN... 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
2/9/05	19		OK

WORK CELL: A-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN: LAT-DS-02830-01
CABLE, TPS I/P PWR

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

CUST #
QTY 19
PROJECT# P17300
CUST# 15354

PAGE 4

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



4 230 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CFE: SDR-20 ASSY-80

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

DRR#(S)

DATE	QTY	REMARKS	STATUS
2/22/05	40/30		OK
3/3/05	10	Restripped ok	OK



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.

WIPE PAIR	CLR	PINS
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	17. #1941

WORK CELL: 4-MIXED

CUSTOMER: RIAT

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02830-01
A CABLE TFS 1/P PAR

WOS 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SQ#
POS 0000048800

CUST #
QTY 10
PROJECT# F17300
CUST# 15350

PAGE 3

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 PIN CONTACTS,
TIN LEADS.

***** THIS LEAD ASSY USES TWISTED-PAIR (RED/WHI) WIRE *****

* CRIMP TEST SETUP - GTC-2081.

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

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

USE SCHENKLEIGH ELECTRONIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES. A STRIP LENGTH OF 1/8" (.125"),
AND LEAVES THE INSULATION SLUG IN PLACE.

EUBANPS SMALL MODEL #1900-1
1/11 (100)
1/11 (100)

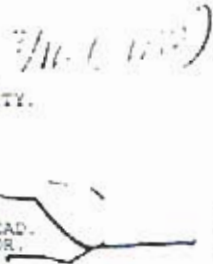
* PRE-ASSY CRIMP TEST...

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

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

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG, 1/8" (.125").
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT 10 PAIRS TO 9-1/2" (9.50") LONG.
- 4) STRIP SECOND END USING THERMAL TWEZERS, 1/4".
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.



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

* POST-ASSY CRIMP TEST...

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

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

DATE	QTY	REMARKS	STATUS
2/18/05	4	4 sets of 10-10	Rm1970
3/8/05	1	1 set of 10-10 (Rework)	Cv11920

WORK CRIT.: 4 MIXED

CUSTOMER: STAM

TYPE: PRODUCTION

WORK ORDER IPAVELLER - NEW

7 PNs LAT-DS-02830-01
AN... CABLE, TPS 1/P PWR

WO# 112043
REQ DATE 02-09-05
REL DATE 07-03-05
SOP
104 0000049000

CUST P#
QTY 19
PROJECTS F17300
CUST# 15456

PAGE 5

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

*CLEAR Defect Report #2954
for 3 wires
VAT 2-25-05*



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP: SLDG-0 ASSY-25

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

DR#(S)

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



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

- * APPLY RTV, DC6-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (1.5").
- * TRANSFER RTV TO AN EPD SYRINGE TUBE, OR FLINGER 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# 31201 EXP. DATE 6/12/05

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

* RECORD CURE DATE, START/STOP TIME BELOW:

DATE 3-8-05 START 1800 hrs STOP 2000 hrs

DATE	QTY	REMARKS	STATUS
3-8-05	4		VAT #2016

WORK CELL: A MIXED

CUSTOMER: SIAM

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

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

WO# 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SQ#
PO# 0000018800

CUST #
QTY 19
PROJECT# F17300
CUST# 15356

.....
L1# DEPT MACH# OP# DESCRIPTION..... HOURS
SET-UP RUN... LINE-MACH ST-LOT
.....



290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLD-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-02388.

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

3/9/05 4

STATUS



WORK ORDER : 112043

(NEW)

WORK ORDER PICK LIST

PAGE: 1

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

BY LINE ITEM

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

PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS	RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
									LOT QUANTITY	LOT DATE	BIN QUANTITY	
1	206500 COAX (311P407-2P-B-15) ORIGINAL QUANTITY...	EA	1.00	BO		19.00		SKCF2 FN-1	0.00			
<p>The following parts have been defined as alternates for 206500-1: LIS 1-1 311P407-2P-B-15 1 PER Partial quantity replacements are allowed.</p> <p><i>S/B LAT-DS-02830</i> <i>107# 114944</i></p>												
2	M22759/11-24-2/9 WIRE, 24AWG RED/WHIT ORIGINAL QUANTITY...	IN	300.00	RSVD		5700.00	115300	SKCF2 FN-2	11997.00	10-01-04		
<p>The following parts have been defined as alternates for 204370-8: LIS 1-1 204370-8 1 PER Partial quantity replacements are allowed.</p>												
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	20.00	RSVD		380.00	114796	SKCF2 FN-3	401.00	09-23-04	IN ASSY	
<p>The following parts have been defined as alternates for 204370-8: LIS 1-1 204370-8 1 PER Partial quantity replacements are allowed.</p>												
4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO		19.00		SKCF2 FN-3	0.00			
<p>REQUIREMENT SHOWS ON LAT-DS-02830. APPLY HERE. PULLED:</p>												

DEFECT RECORD REPORT

ID 29547

PART NUMBER: LAI-DS-02830-01

WORK ORDER: 112043

SALES ORDER: F17300

QUANTITY: 40 RW QTY: 6

CUSTOMER: SLAC

INSPECTION TYPE: CRIMPING

INSPECTION LEVEL: 1

INSPECTOR: VANDEMER

OFE SOLDER: 20

OFE ASSEMBLY: 80

DATE: 2/22/2005

WEEK CODE: 10

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

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

1/PS: LAT-DS-01481
2 GLAST. DAC. TEM

W# 111105
REV DATE 04-19-05
REL DATE 04-04-05
RC# 417200
PO# 0100249799

CUST #
QTY 1
PROJECT# F17200
CUST# 18156

*SERIAL NUMBER -----
GT107 GLAT1796

*APPROVAL-----
PROD RLH, 4/27/05
QA RP 4/27/05

*MEMBERSHIP-----
IPC/BIA-J-STD-001C CLASS 3, WITH "CS" SPACE SUPPLEMENT
SLAC CAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

*gth 09.26.04-----

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



1 000 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV ED/PL OUTSTANDING EO'S
LAT-DS-01481 04 NONE
(NAME - ON DWG)
LAT-PS-02615 03 NONE
(V/A THIS LEVEL)
LA-DS-01481 (RELEASED PER EC 0406)
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
4/27/05 _____ 761979



1 271 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KITTING

* PROCESS MATERIAL PER CAR STPP 0.
DATE QTY REMARKS STATUS
4/29/05 _____ [Signature]



WORK CELL: L-310 RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

WNS CAT-DS-01491
GLAST, DAQ, TEN

WOB 113179
WRO DATE 04-20-05
WRI DATE 04-04-05
WOL F17200
WOP 0000048799

CUST # 1
QTY 1
PROJECT# F17200
COST# 15356

1.00 DPRE MACH# 00# DESCRIPTION..... H O U R S
SET-UP RUN... LINE-MACH ST-DOT.



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

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

GIC PO# 31450 EXP. DATE 5-17-05
 LOT # S: (PT A) 32775 (PT B) 32775
 MIX RECORD (PART A WGHT) 1gram (PART B WGHT) 1gram

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>ADHESIVE</u>	<u>AP</u>



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

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER: GT107

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>CHASE SCREW</u>	<u>AP</u>



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

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

TORQUE TOOL # ATC-E-951/2
 GIC # 914 CAL DUE DATE 5.05

DATE	QTY	REMARKS	STATUS
<u>5-5-05</u>	<u>1</u>	<u>TORQUE 94.9 IN.OZ</u>	<u>AP</u>
<u>5.5.05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	<u>QAR</u>



TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

W/FNS: LAT-DS-01461
N. GLAST. DAD. TEM

W# 111175
REV. DATE 04-28-05
REL. DATE 04-28-05
PC# 0000048793

COST P#
QTY
PROJECT# 717200
CUST# 19396

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



9 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0 0000 0.0000
STAKE BOLT HEADS

- PROCESS ASSY PER CAA STEP 9.
- RECORD MATERIAL DATA BELOW:

ADSV 0191. GTC P# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME START: 1:58 STOP: 3:52

DATE	QTY	REMARKS	STATUS
5-5-05	1	STAKE BOLTS	AP



9 210 10 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0 0000
ASSY MARKING

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

INK 50+1018. GTC P# 31201 EXPIRATION DATE 4-27-07
LOT # (PT A): 200409080033
LOT # (PT B): 200407020071

MIX RECORD (PT A WGT): 10 (PT B WGT): 6
MARKING DATE/TIME: 5-6-05 8:11 TRACK core.
CURE OCCURS AT STAKING STEP 13

DATE	QTY	REMARKS	STATUS
5-6-05	1	marking + sil label	AP



9 297 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0 0000
CPE. SLUR-0 ASSY-137

- PROCESS ASSY PER CAA STEP 8

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
5/6/05	1		

Y: P# LAT-05-01811
Y: SLAC, DAD, TEM

WOS 111178
REQ DATE 04-29-05
RPL DATE 02-04-05
SOM 517200
POM 0000048793

CUST P#
CITY
PROJECT#
CUST#

1
117200
10356

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



9 280 00 SOURCE INSPECTION EXAMINE BOX ASSY 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
5/9/05	1	GLAT 1796	



17 215 00 CCA/BLACK BOX ASSY AREA INSTALL D.D 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 10.

DATE	QTY	REMARKS	STATUS
5/9/05	1		SC-1587



1 211 00 CCA/BLACK BOX ASSY AREA TORQUE FASTENERS 0.0000 0.0000 0.0000

- PROCESS ASSY PER CAA STEP 11.
 - ALERT SLAC QAR TO WITNESS TORQUE PROCESS.
 - PROPE ASSIGNED TOOLS USED AND CAL DUE DATE, BELOW.
- TORQUE TOOL = GTC-H-977 - GTC-E-951 1/2
GTC-E-944 CAL DUE DATE 1-26-06 3-05

DATE	QTY	REMARKS	STATUS
5/9/05	1	44 RN LB and 45 1/2	SC-1587



DATE	QTY	REMARKS	STATUS
5/9/05	1	GCT 1796 WIRMS	



22 200 10 QUALITY ASSURANCE AREA SPE: SLDR-2 ASSY-34 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
5/9/05	1		

WORK CELL: 1-BIG RUNNER

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

W/S# LAT-DS-01481
A. GLAST, DAG, TEM

WCR 113128
REV DATE 04-29-05
REL DATE 02-04-05
SOM F17200
POR 010048799

CUST PR QTY 1
PROJECT# F17200
COST# 15355

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



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

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

ACHSV 0151. GTC PC# 31403 EXPIRATION DATE 01-31-07
CURD DATE/TIME: START- 10:30 STOP- 12:30

DATE	QTY	REMARKS	STATUS
5/9/05	1		AD



14 220 00 QUALITY ASSURANCE AREA
CPE, SLOC-C ASSY-17 0.0000 0.0000 0.1000

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

DATE	QTY	REMARKS	STATUS
5/9/05	1		QA



15 240 00 SOURCE INSPECTION
CUSTOMER SOURCE INSP 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
5.9.05	1	GLAT 1796	LAT TO QA

***** TRAVELLER REVISION HISTORY RECORD *****
 CREATED BY: MFKMIN FOR ASSY REV: 51 DATE: 05/01/05
 ASSY CWR ENG
 REV BY DATE CHANGE DETAIL

 51 01R 000105 RELEASED AT REV 041 AND CAA AT REV 4.

*****END OF TRAVELLER REVISION RECORD*****

WORK ORDER : 113108

(NEW)

WORK ORDER PICK LIST

PAGE: 2

ASSEMBLY # : 1AT-DB-01460
M³ QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 04-10-18
RELEASE DATE : 01-14-00
DATE PRINTED : 01-27-08

- - FULLED: _____

FULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVOIC NUMBER	INDICAY DETAIL		
			REQUIRED QUANTITY	CURS STAT QUANTITY			LOT QUANTITY	LOT DATE	SIN
8	015: AGRESSIVE: NYROL 402 KIT ORIGINAL QUANTITY	CC	1.00			SK2 FN-8			
				80	1.00	SKCF2			
							FULLED	9.00	
							FULLED	0.00	
9	CAC-L-INK INK ORIGINAL QUANTITY	CC	1.00			SK2 FN-9			
				80	1.00	SKCF2			
							FULLED	0.00	
							FULLED	0.00	
11	LAC TO BSSIS LABEL SN ORIGINAL QUANTITY	EA	1.00			SK2 FN-10			
				80	1.00	SKCF2			
							FULLED	1.00	
							FULLED	0.00	

KORA/CEL 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

APPROVING LAT-DS-01046
CLASS. DEM

WC# 112007
REQ DATE 02-09-05
REQ DATE 11-21-04
JOB
JOB# 0000048788

CUST PR
QTY 1
PROJECT# 117200
COST# 13155

PAGE 1

SERIAL NUMBER: GT107
GLAT 1758
APPROVAL: PRD: [Signature] 2/9/05
QA: [Signature] 2/3/05

WORKMANSHIP: 1PC/BIA-3-STD-501C 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.

LINE DEPT MACH# OP# DESCRIPTION HOURS
SET-UP RUN LINE-MACH 30-0001



1 000 00 CONTROL RECORD/KITTING 0.0000 0.0000 0.0000

CONFIGURATION DOCUMENTS
LSSY DWG. LA-DS-C1444 00 NONE OUTSTANDING EQ'S
BOM B/L LA-DS-00030 04 NONE
TEST SW: LA-DS-02010 02 NONE
COPY AID: LA-DS-01046 -- (RELEASED PER EC 0043)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
REV'D/PRP'D BY: SK (DATE DATE: 02 03 05)

DATE... QTY... REMARKS..... STATUS
2/3/05 _____ [Signature]



2 001 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000
KIT PARTS

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

DATE... QTY... REMARKS..... STATUS
2/10/05 1 _____ [Signature]

NOBY CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

NOBY: NOY LAT-DS-01648
SLAGT: 000

WOP: 100007
REQ DATE: 02-03-05
REL DATE: 12-21-04
SCP: 0000049733

CUST #:
QTY: 1
PROJECT: P17200
CUST: 18158

PAGE 2

LINE DRPT MACH# QTY DESCRIPTION SETUP HOURS
CON. LINE-MARKING



3 010 00 CCA/BLACK BOX ASSY AREA BOARD MARKING 1.3300 1.3300 1.3300

* PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-7-05	1		OK 1648



4 013 00 SMT ASSY LINE PRE-SMT OVEN BAKE 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 4.

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

DATE	QTY	REMARKS	STATUS
2-7-05	1	In	PF 1858
2-7-05	1	Out	OK 1648



5 013 00 SMT ASSY LINE SOLDER PASTE STENCIL ONLY TOP SIDE GETS PARTS 5.6300 5.6300 5.6300

* PROCESS PER CAA STEP 5.

RECORD SOLDER PASTE DATA BELOW
GIC # 31728 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2/9/05	1		TH 1657

0007
0002
0001
0005
0002
0009
0003
0007

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

WPN# LAT-05-01448
DIAGN. TEM

WOB# 112007
ASO DATE 03-03-05
REL DATE 12-21-04
SO#
PO# 0000049777

CUST #
PROJECT# P17300
QTY 1
CUST# 14344

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



6 013 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	U3	<u>1777</u>	U4	<u>1686</u>	U5	<u>1762</u>	U6	<u>1748</u>
FN-23	U34	<u>1705</u>	U35	<u>1746</u>	U36	<u>1804</u>	U37	<u>1750</u>
	U38	<u>1661</u>	U39	<u>1718</u>	U40	<u>1751</u>	U41	<u>1662</u>

DATE	QTY	REMARKS	STATUS
<u>2/3/05</u>	<u>1</u>		<u>NR</u>
_____	_____	_____	_____
_____	_____	_____	_____



7 013 00 SMT ASSY LINE 0.5000 0.5000 0.5000
SOLDER REFLUX

- * PROCESS PER CAA STEP 7.
- ** DO NOT LET BOARD SIT OVERNIGHT WITHOUT CLEANING **

DATE	QTY	REMARKS	STATUS
<u>2/3/05</u>	<u>1</u>		<u>NR</u>
_____	_____	_____	_____
_____	_____	_____	_____



8 013 00 SMT ASSY LINE 0.1000 0.1000 0.1000
AQUOSUS CLEAN

- * PROCESS PER CAA STEP 8
- ** RECORD WASH EVENT ON LOG (PER EA-24)

DATE	QTY	REMARKS	STATUS
<u>2/1/05</u>	<u>1</u>		<u>BS</u>
_____	_____	_____	_____
_____	_____	_____	_____

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

V/EN# LAI-09-01046
START: TEM

WOB 112007
REQ DATE 03-03-05
REL DATE 12-21-04
SC#
PC# 0000048799

CUST #1
CITY 1
PROJECT# 119300
COST# 12194

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



9 251 00 QUALITY ASSURANCE AREA 0 4400 0.0000 0.4400
CPE. SLDX-4163 ASSY-9203

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

DATE	QTY	REMARKS	STATUS
2/9/05	1	107	
2/14/05	1		



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

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

DATE	QTY	REMARKS	STATUS
2-15-05	1		DO 1857



11 210 00 CCA/BLACK BOX ASSY AREA 2 4000 2 4000 2.4000
THRU-HOLE INSTALL

* PROCESS PER CAA STEP 11
* RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.

GTC-E-842

DATE	QTY	REMARKS	STATUS
2-15-05	1	Gen only	DO 1857



12 214 00 WAVEFOLDER 0.0000 0.0000 0.0000
WAVE SOLDER

DATE	QTY	REMARKS	STATUS
1-16-05	1		

WORK CELL 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

WORKS LAT-DS-31646
SLAST. TEM

WOM 112077
REQ DATE 02-03-05
REQ DATE 11-21-04
JOB 0000048799

CUST #
PROJ #
CITY
CITY
CITY

LINE DEPT MACHS OPS DESCRIPTION..... H O U S
SET-UP RUN... LINE-MACH ST-100



13 216 00 WAVE/SOLDER ACQUOUS CLEAN 0.0000 0.2000 0.2000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
2-16-05	1	Cleaner #2 40min	207857



14 291 00 QUALITY ASSURANCE AREA
COP. BLDG-800 ASSY-00 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DATA(S): ~~29436~~ 29436

DATE	QTY	REMARKS	STATUS
2/16/05	1	No hardware	
2/16/05	1		



15 210 00 CCA/BLACK BOX ASSY AREA
2000000 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
2-11-05	1	touch-up after Heller	021648
2-16-05	1	Touch-up - Step # 15	207857



16 210 00 CCA/BLACK BOX ASSY AREA
ALCOHOL/DI CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
2-16-05	1		221648

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEM

PAGE 6

V/FNS LAT-06-01046
GLAST. TEM

NO# 112007
MFGO DATE 02-23-05
MFGO DATE 12-21-04
PO# 0000046799

CUST #
CITY 1
PROJECT# 517000
CUST# 15155

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



17 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# 518-200 ASSY-0

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

DATE	QTY	REMARKS	STATUS
2/18/05	1		



18 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-FPGA5

* PROCESS PER CAA STEP 18.
ADHESIVE PO# 31450 EXP. DATE: 5/17/05
FPGA SERIAL #15: U45 40348 U42 50234

DATE	QTY	REMARKS	STATUS
2/17/05	1	PLACED ONLY	GM
2/17/05	1	Hand Soldered	An(1628)



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

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
2-17-05	1		An(1628)
2-18-05	1		320-1807



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

* PROCESS PER CAA STEP 20.

DATE	QTY	REMARKS	STATUS
2-23-05	1	soldered	PG #1941
2-18-05	1		250-1807

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEM

PAGE: 7

/RFR LAT-05-01618
GLAST, TEN

WCR 100007
RFRD DATE 02-23-05
RFRD DATE 02-23-05
RFRD DATE 02-23-05
PC# 0000048700

CUST ORG 1
CUST 1
PROJECT 1
CUST# 1

LINE DEPT MACHINE OPER DESCRIPTION..... H O U B S
SET-UP RUN... LINE-MACH ST-LOC



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

* PROCESS PER CAA STEP 21:

DATE	QTY	REMARKS	STATUS
2/23/05	1	added	HG #1941



22 210 01 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
ALCOHOL/DE CLEAN

* PROCESS PER CAA STEP 22:

DATE	QTY	REMARKS	STATUS
2/23/05	1		HG #1941



23 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DEF: SLDG-217 ASSY-236

* PROCESS PER CAA STEP 23

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

DATA 3) Board needs cleaning 29646

DATE	QTY	REMARKS	STATUS
2/24/05	1		ETC



24 245 00 SPEA ICT 0.0000 0.0000 0.0000
SPEA TEST

* PROCESS PER CAA STEP 24

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

TEST# 3

DATE	QTY	REMARKS	STATUS
2/24/05	1	GT107	M3 PMS

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE PRODUCTION

WORK UNDER TRAVELLER - NEW

V/PK# 140 05-01444
PLAST. TEM

MO# 112027
REV DATE 02-03-05
REV DATE 12-21-04
JOB# 0000048789

CUST Q# 1
QTY 1
PROJECT# P11300
CUST# 15354

PAGE 8

LINE DEPT MATRA OPA DESCRIPTION SET-UP RUN HOURS SC-DOT



10 000 00 CCA/SLACK BOX ASSY AREA
INSTALL CONN CTOR-SOLEER
SLDR CONN J1-ROW 1>CHECK
SLDR-CONN J1-ROW 2>CHECK
SLDR-CONN J1-ROW 3>CHECK
SLDR-CONN J1-ROW 4>CHECK

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

TOOL #G7C-A-972 CAL DUE DATE 8-8-05

DATE	QTY	REMARKS	STATUS
3/3/05	1	J.I Row 4	HG #104/
3/4/05	1	J.I Row 3	H.G. #141/
3-7-05	1	J.I Row 2	-226/1337
3-7-05	1	J.I part	226/1337



20 000 00 QUALITY ASSURANCE AREA
OPRT SLDR-506 ASSY-405

- PROCESS PER CAA STEP 25.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DATE	QTY	REMARKS	STATUS
3/9/05	1	107	QA

Date: QA Sign-off

3/4/05 Row 4 60-78

Row 3

Row 2

Row 1

3/8/05

WORK CELL, 4-MIXED

CUSTOMER: SLAC

TYPE, PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 9

ENR LAT DS-01646
GLAST, TEM

WOB 112007
REQ DATE 03-03-05
REL DATE 12-21-04
SOL
POB 0000048799

CUST #
QTY
PROJECT# P11200
CURTS 15330

LINE DEPT MACHS OPS DESCRIPTION..... HOURS
SET-UP RUN LINE-MACH ST-100



17 250 00 COATING/POTTING AREA 0.8000 0.8000 0.8000
POTTING/STAKING

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

PTV D08-1164; GTC PO# 31695 EXPIRATION DATE 7-10-05
 ADHSV 0181; GTC PO# 30156 EXPIRATION DATE 1-31-07

1151 ADHESIVE MIX RECORD (RECORD PER BATCH)

	BATCH #1	BATCH #2	BATCH #3	BATCH #4
RESIN WGT:	<u>12.5</u>			
HARDENER WGT:	<u>4.2</u>			

CURE DATE: 3-9-05 START: 2:50 PM STOP: 4:50 PM

DATE	QTY	REMARKS	STATUS
<u>3-9-05</u>	<u>1</u>		<u>MC</u>



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

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

DEFECTS

DATE	QTY	REMARKS	STATUS
<u>3/10/05</u>	<u>1</u>		



49 250 00 SOURCE INSPECTION 0.1000 0.0000 0.1000
MIP - SLAC CAR INSPECTION BEFORE SHIPMENT TO SLAC.

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

DATE	QTY	REMARKS	STATUS
<u>3/10/05</u>	<u>1</u>	<u>GT 107 GLAT 1138</u>	
		<u>VOID in SWAGE MARK</u>	
		<u>At U62 (PROCESS UNLATCH)</u>	

KOEN CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

V/PNS LAT-DS-01648
GLAST, TEM

NO# 112007
REQ DATE 02-23-05
REL DATE 12-21-04
SUP
PO# 0000048799

CUST #
QTY 1
PROJECT# P17200
CUST# 15354

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



30 299 00 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACK & SHIP DCA

PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
3/1/05	1	PACKED	MR E2018
03/11/05	1	SHIPPED JOE WEGS	E1625



31 299 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
DCA RECEIVING INSPECTION

PROCESS PER CAA STEP 31.

RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

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

DATE	QTY	REMARKS	STATUS
4/1/05	1	Covered up	
4/1/05	1	opened up	



32 299 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
4/1/05	1	GLAT 1750 RE SCREEN FOR SOLDER BRIGGS HAND WASH AS EQ'D	



4.25.05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

VEN# LAT-06-01646
GLAST, TEM

WOB# 111007
RBO DATE 03-03-05
REL. DATE 12-21-04
SO#
PO# 0000048799

CUST #
CLY 1
PROJECT# F17200
CUST# 15156

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



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
4/24/05	1	SH 107 Washed	me 1337
4-26-05	1	Cleanliness	JA



34 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SLOW-0 ASSY-11

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

DR#(S)

DATE	QTY	REMARKS	STATUS
4/26/05	1		



35 250 00 COATING/TOTTING AREA 0.6000 0.6000 0.6000
MASK & CONFORMAL COATING

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

RECORD BAKE DATE-TIME START/STOP BELOW

BAKE DATE 4-26-05 START: 1:30 STOP: 2:30

DATE	QTY	REMARKS	STATUS
4-26-05	1	Boxed + Masked	JA

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER - NEW

PAGE 12

WPN# LAT-00-01544
GLAST, TEM

NO# 110107
DATE 02-02-05
DATE 12-21-04
PC# 0000048799

CUST #
PROJ #
COST #

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



26 250 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
SPRAY CONFORMAL COAT

* PROCESS PER CAA STEP 15.

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

4/27/05 DATE: 4/27/05 START: 7:25 AM STOP: 1:25 PM

DATE: 4/27/05 QTY: 1 REMARKS: COAT STATUS: DM



37 250 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
TOUCHUP / CURE-OVEN BAKE

* PROCESS PER CAA STEP 37.

FIRST BAKE DATE: 4/27/05 START: 1:25 PM STOP: 2:30 PM

TOUCHUP BAKE DATE: 4/27/05 START: 2:45 PM STOP: 3:15 PM

DATE: 4/27/05 QTY: 1 REMARKS: Unmask STATUS: 596

WORK CELL: 1-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

W/BN# LAT-DS-01448
CLAST. TEM

NO# 112007
REP. DATE 02-23-05
ALL. DATE 12-21-04
S/C#
P/C# 000048799

CUST #
QTY 1
PROJECT# 817200
COST# 18358

00 DEPT MACHINE OF# DESCRIPTION..... SET-UP RUN... LINE-MARK ST-LOT



19 192 00 QUALITY ASSURANCE AREA 0.5000 0.5000 0.5000
CPE- SLDR-0 ASSY-92

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

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

- ... MATERIAL CERTIFICATIONS...
- ... OPERATING CONDITION REPORTS...
- ... INSPECTION DEFECT REPORTS...
- ... NON-CONFORMANCE REPORTS...
- ... WORK ORDER (DOC REV RECORD)...
- ... POLYMER BLENDS...
- ... DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
4/28/05	1		



29 280 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CSI

- * PROCESS PER CAA STEP 39.
- NOTE: NEXT ASSEMBLY IS LAT-DS-01441.
- ** PLEASE RETURN INSPECTED CCA TO QA UPON COMPLETION **

DATE	QTY	REMARKS	STATUS
4/28/05	1	INSUFFICIENT INFORMATION FOR ACRYLAME MARK	

4/29/05

MATERIAL MIX RECORD.
 WEIGHT IN GRAMS OF
 PART A & B IS NOT PROVIDED

WORK ORDER : 112007

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-D5 01848
WO QUANTITY : 1
*** LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-05
RELEASE DATE : 11-21-04
DATE PRINTED : 02-04-05

E PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIREMENTS			INVLOC	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURA STATUS	RESV IN LOT #			LOT QUANTITY	LOT DATE	INLOC	SIN QUANTITY
1	LAT-D5-01848 PWB, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00 120299	SKCF2 FN-D1	120299	18.00	09-11-07		1 ✓
2	LAT-D5-01026 PLATE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00 114784	SKCF2 FN-D6	114784	18.00	06-19-07		1 ✓
3	LAT-D5-01031 PIN CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114785	SKCF2 FN-D7	114785	18.00	06-19-07		2 ✓
4	NAS1151N02 8 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00 114786	SKCF2 FN-D3	114786	546.00	09-23-04		26 ✓
5	LAT-D5-01852 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114787	SKCF2 FN-D5	114787	38.00	09-23-04		2 ✓
6	M551987-13 SCREW, PANHD, 4-40 X .16 ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 93945	SKCF2 FN-D10	93945	291.00	11-24-03	C37	2 ✓
						FN-D10	114788	75.00	09-23-04		2 ✓
7	NAS620 C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00 114789	SKCF2 FN-D2	114789	1052.00	09-23-04		52 ✓
8	M524571-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00 114790	SKCF2 FN-D8	114790	84.00	09-23-04		4 ✓
9	NAS471-C2 WASHER ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00 114791	SKCF2 FN-D4	114791	520.00	09-23-04		26 ✓
10	LAT-D5-01858 ASSY, CABLE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SKCF2 FN-D9	25 J1	0.00			0
11	0181 ADHESIVE, EPOXY, 400 MIP ORIGINAL QUANTITY...	CS	1.00	BO	1.00	SKCF2 FN-D11		0.00			0
12	CV-2946 RTV, NUSIL TECH ORIGINAL QUANTITY...	CS	1.00	BO	1.00	SKCF2 FN-D12		0.00			0
13	8752 CONFORMAL COATING URETHANE ORIGINAL QUANTITY...	CS	1.00	BO	1.00	SKCF2 FN-D13		0.00			0

ASSEMBLY # : LAT-DS-01644
WC QUANTITY :
WIP LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-05
RELEASE DATE : 02-11-04
DATE PRINTED : 02-11-04

E FULLED: _____

FULLED BY: _____

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	REQUIREMENTS	RESV IN LOT #	INVLOC	LOC NUMBER	INVENTORY DETAIL		BINLOC	FIN QUANTITY
									LOT QUANTITY	LOT DATE		
14	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OS	1.00	SO	1.00		SKCF2 FN-D14		0.00			OC
15	CW111FH105K8B CAPACITOR ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120284	SKCF2 FN-D14		0.00	12-16-04		36
16	CW111FH475K8B CAPACITOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	120285	SKCF2 FN-D14		2.00	12-16-04		2
17	CDR333K475K4US CAPACITOR ORIGINAL QUANTITY...	EA	53.00	RSVD	53.00	114799	SKCF2 FN-D14		225.00	09-23-04		53
18	CW095FC176K8B CAPACITOR ORIGINAL QUANTITY...	EA	49.00	RSVD	49.00	114800	SKCF2 FN-D14		0.00	09-23-04		49
19	CDR333K475K4US CAPACITOR ORIGINAL QUANTITY...	EA	249.00	RSVD	249.00	114801	SKCF2 FN-D14		0.00	09-23-04		249
20	1210B553K2511K7M CAPACITOR ORIGINAL QUANTITY...	EA	16.00	RSVD	16.00	114802	SKCF2 FN-D14		0.00	09-23-04		16
21	WCF-1051-181 CONNECTOR ORIGINAL QUANTITY...	EA	9.00	RSVD	9.00	114803	SKCF2 FN-D14		180.00	09-23-04		9
22	WCF-1069-181 CONNECTOR ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114804	SKCF2 FN-D14		81.00	09-23-04		4
23	3362-S759406XA CONNECTOR ORIGINAL QUANTITY...	EA	3.00	RSVD	3.00	114805	SKCF2 FN-D14		60.00	09-23-04		3
24	JANTXV1N4153UR-1 RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114806	SKCF2 FN-D14		40.00	09-23-04		2

ASSEMBLY # : LAT-DS 01846
 WO. QUANTITY : 1
 LOCATION: W03

EFFECTIVITY DATE: 02-03-06
 RELEASE DATE : 12-31-04
 DATE PRINTED : 02-04-06

3 PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL		BIN
			QUANTITY	STAT			QUANTITY	LOC DATE	
25	SM0050 FUSE RAYCHEM/POLYSWICH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00 114807	SKCF2 114807 FN-12 F3 F4 F6 F8 PULLED:	100.00	09-23-04	4 ✓
26	SM0075 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00 114826	SKCF2 114826 FN-13 F1 F2 F7 F9 PULLED:	100.00	09-24-04	4 ✓
27	MAX148AUA IC ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00 114809	SKCF2 114809 FN-18 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:	304.00	09-23-04	30 ✓
28	MAX9121AEE IC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114810	SKCF2 114810 FN-16 U1 U2 PULLED:	47.00	09-23-04	2 ✓
29	LAT-DS-03895 IC ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SKCF2 114814 FN-14 U45 PULLED:	0.00		0
30	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SKCF2 114814 FN-14 U62 PULLED:	0.00		0
31	LAT-TD-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00 114813	SKCF2 114813 FN-19 U3 U4 U5 U6 PULLED:	62.00	09-23-04	4 ✓
32	5542R9568101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00 114814	SKCF2 114814 FN-20 U83 PULLED:	32.00	09-23-04	1 ✓
33	5542R9568203QVC IC ORIGINAL QUANTITY...	EA	5.00	BO	5.00	SKCF2 114814 FN-20 U46 U47 U48 U53 U64 PULLED:	0.00		0
34	LAT-TD-01812 IC ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00 114816	SKCF2 114816 FN-20 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:	130.00	09-23-04	8 ✓
35	H0705CPX111 THICK FILM JUMPER ORIGINAL QUANTITY...	EA	151.00	RSVD	151.00 114817	SKCF2 114817 FN-21 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:	45.00	09-23-04	151 ✓
36	M55142KC68L500R RESISTOR,CHIP,100W,1K OH ORIGINAL QUANTITY...	EA	55.00	RSVD	55.00 114818	SKCF2 114818 FN-22 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	09-23-04	55 ✓

ORIGINAL QUANTITY... 4.00

FILLED:
114826
FN-21 U49 U50 U51 U52
FILLED:

4.00 09-23-04 DRY-10

[Handwritten signature]



ASSEMBLY # : LAT-DS-01646
NO QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-05
RELEASE DATE : 12-31-00
DATE PRINTED : 02-04-05

A PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN QUANTITY	LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
									LOT QUANTITY	LOT DATE	BIN	
45	M55342K0684900R RESISTOR CHIP, 100W, 49.9 ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	36398	SKCF2	36398	17.00	03-23-00	CF20	
			4.00				FN-34	R648 R649 R650 R651				
								PULLED:				
								114927	234.00	09-23-04		4 ✓
							FN-34	R618 R649 R650 R651				
								PULLED:				
46	M55342K0951F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114928	SKCF2	114928	88.00	09-23-04		
			2.00				FN-27	R191 R192				
								PULLED:				
								114928	229.00	09-27-04		2 ✓
							FN-27	R331 R332				
								PULLED:				
47	M55342K0685E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114929	SKCF2	114929	240.00	09-23-04		
			2.00				FN-30	R643 R643				
								PULLED:				
								114929	232.00	09-27-04		2 ✓
							FN-30	R642 R643				
								PULLED:				
48	M55342K0681080R RESISTOR, CHIP, 100W, 10K Ω ORIGINAL QUANTITY...	EA	23.00	RSVD	23.00	114930	SKCF2	114930	815.00	09-23-04	CF20	
			23.00				FN-31	R145 R145 R146 R146 R147 R147 R148 R148 R149 R149 R150 R150				
								PULLED:				
								114930	857.00	09-27-04		
							FN-31	R145 R145 R146 R146 R147 R147 R148 R148 R149 R149 R150 R150				
								PULLED:				
								91324	55.00	04-23		23 ✓
							FN-31	R145 R145 R146 R146 R147 R147 R148 R148 R149 R149 R150 R150				
								PULLED:				

DEFECT RECORD REPORT

ID: 29269

PART NUMBER: LA10S 01646

WORK ORDER: 112007

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: HUBBARD

O/E SOLDIER: 0

O/E ASSEMBLY: 0

DATE: 2/9/2005

WEEK CODE: B

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PINNOTES
107	1		A338		MIS REGISTRATION	✓ u46	pin B. twice
107	2		S402		INSUFFICIENT SOLDER	✓ u61	pin B. 1644
107	1		S402		INSUFFICIENT SOLDER	✓ u66	pin B. 1644
107	4		S402		INSUFFICIENT SOLDER	✓ u57	pin B. 1644
107	4		S402		INSUFFICIENT SOLDER	✓ u55	pin B. 1644
107	3		S402		INSUFFICIENT SOLDER	✓ u3	pin B. 1644
107	3		S402		INSUFFICIENT SOLDER	✓ u54	pin B. 1644
107	1		S402		INSUFFICIENT SOLDER	✓ u34	pin B. 1644
107	4		S402		INSUFFICIENT SOLDER	✓ u5	pin B. 1644
107	3		S402		INSUFFICIENT SOLDER	✓ u5	pin B. 1644
107	1		S402		INSUFFICIENT SOLDER	✓ u2	pin B. 1644
107	1		S402		INSUFFICIENT SOLDER	✓ u10	pin B. 1644
107	4		S402		INSUFFICIENT SOLDER	✓ u4	pin B. 1644

Rechecked
2-19-05

2/14/05

DEFECT RECORD REPORT

ID: 29436

PART NUMBER: LA1-DS-01646 INSPECTION TYPE: HARDWARE OPE SOLDER: 600
WORK ORDER: 112007 INSPECTION LEVEL: 1 OPE ASSEMBLY: 55
SALES ORDER: FT7200 INSPECTOR: WANDEVER DATE: 2/16/2005
QUANTITY: 1 RW QTY: 1 WEEK CODE: 9
CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT107	1	1857	A313		MISSING HARDWARE	J12	150 20-16 007

2/16/05

DEFECT RECORD REPORT

ID: 29546

PART NUMBER: LAI-DS-016-66 INSPECTION TYPE: HAND SOLDER OFF SOLDER: 217
 WORK ORDER: 112007 INSPECTION LEVEL: 1 OFF ASSEMBLY: 236
 SALES ORDER: F17200 INSPECTOR: VANDEWER
 QUANTITY: 1 RW QTY: 1
 CUSTOMER: SLAC WLEN CODE: 10

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PINNOTES
GT107	1	1941	A307		DAMAGED COMP		Revised 2/24/05 H6 #144
GT107	1	1857	A307		DAMAGED COMP		<p>Revised 2/24/05 H6 #144</p> <p>Revised 2/24/05 H6 #144</p>
GT107	1	1857	A307		DAMAGED COMP		
GT107	1	1857	A307		DAMAGED COMP		
GT107	1	1941	A307		DAMAGED COMP		

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 G. POZZI	G. HEFFKIN	K. BERGTHOLDT	P. LUJAN
PREPARED BY	DATE	DATE	DATE
ENG MGR SUP	DATE	QA MGR Ext	SLAC SOURCE DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT- <u>107</u> GLAT- <u>1758</u>	1337	4/20/05	
2	<p>OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS</p> <p>USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER.</p> <p>PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS.</p> <p>VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED.</p> <p>NO SOLDER BALLS ALLOWED.</p>	1337	4/24/05	
3	AQUEOUS CLEAN USING RECIPE #3	1337	4/24/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	1337	4/24/05	
5	SOURCE INSPECTION	LAT TO QA	4.25/05	



CCA PIN: LAT-DS-01646 GLAT1758 GT107

W.O. #: 112007

CC Tech: Dm/1035 (Initial / Employee #)

Date: 4/27/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

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

AIR CURE: 4/27/05 7:25 AM TO 1:25 PM

OVEN CURE: 4/27/05 1:25 PM TO 2:30 PM

DEFECT RECORD REPORT

ID: 31053

PART NUMBER: LAT-DS-01646

WORK ORDER: 112007

SALES ORDER: F17200

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: CUSTOMER SOURCE

INSPECTION LEVEL: 1

INSPECTOR: EMARTINEZ

OFF SOLDER: 0

OFF ASSEMBLY: 0

DATE: 4/28/2005

WEEK CODE: 19

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT107	1	1845	A309	1-BIG RUNNER	INSUFFICIENT COATING / POTTING / BONDI		FRONT PART OF PWB

creating mixed on 4-27-05 was used for touch
 (see gth. data sheets) PR-1083
 trouble w/ Bake stand 10:15 AM to 11:15 AM



Steven S. ... 4/28/05

Operator : J.C.

04/25/05

09:39:45

Test Type : AUTO

Test Name : 'Manual Test'

Board # 1758 has P A S S = 0

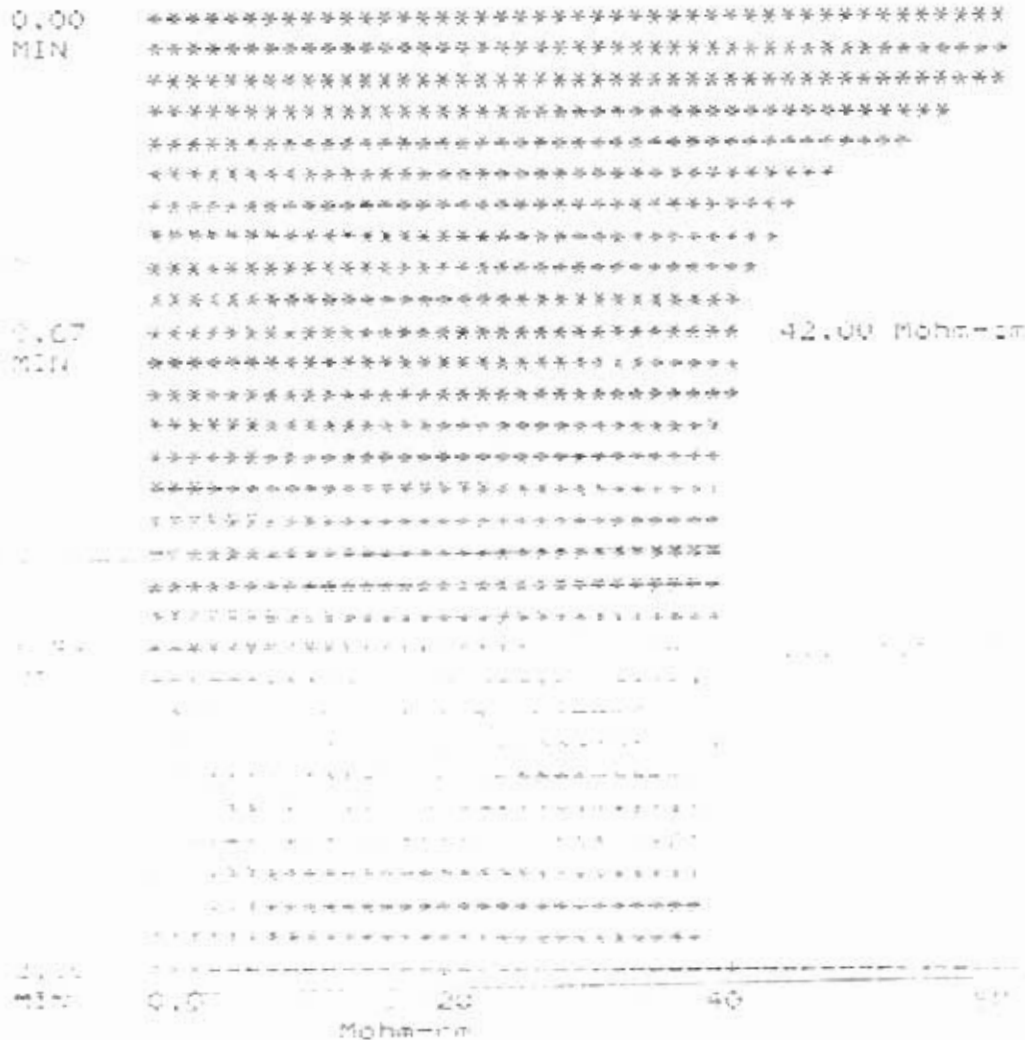
#07/07

TEST TIME : 2.00 min
 TEST VOLUME : 9680 ml
 BOARD AREA : 242.0 sq in
 COMP. AREA : 0.00 sq in
 VOL/SQ. IN : 40 ml/sq. in
 P/F LIMIT : 10.07 ug/sq in
 : 7.70 Mohm-cm

Initial Resistivity : 57.87 Mohm-cm

NaCl Equivalence (Final) : 1.08 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 39.50 Mohm-cm

NaCl Removed : 0.46 ug/sq in

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

ASSY/PN# LAT-DS-02588
A* CABLE, CONN, TEM

MO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SOS
PO# 0000046799

CUST #
QTY 19
PROJECT# P17200
CUST# 15356

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

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

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

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

(wobdr rev 05.19.04 gih)

LI# 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 *****
DOCUMENT NUMBER REV FD/PL OUTSTANDING ED'S
ASSY & PL: LAT-DS-02588 51 NONE
TECH SPEC: N/A
ASSY 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

/PN# LAT-DS-02688
ASSY. CABLE. CONN. TEM

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

CUST #
QTY 19
PROJECT# F17200
CUST# 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, AND CONNECTOR.

DATE	QTY	REMARKS.....	STATUS
01/05	19		

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

A. JNS LAT-DS-02588
AS... CABLE, CONN. TEM

WOB 112026
REQ DATE 02-04-05
REV DATE 01-31-05
PC# 0000048799

CUST PA
CITY
PROJECTS
COST#

PAGE 3

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

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



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

CRIMP TEST SSTUP - GTC-2081.
CUT 6 PIECES OF WIRE 6" TO 9" LONG, FOR FULL TESTS.
USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.
STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...
USE SCHEMATIC PNEUMATIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF 1/4"
AND LEAVES THE INSULATION SLUG IN PLACE.
PRE-ASSY CRIMP TEST...
STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.
CRIMP TEST: BY: status DATE: 2/9/05 STATUS Pass
R. Wainwright 1970

Equipment CHANGE: EUBANKS #1901
3-01-05
3/16" strip length to 1/4"
(=) (19)
2-8-05
Pass Crimp Tensile Strength Sheet attached

- ASSEMBLY ACTIVITY...
1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
2) STRIP THE INSULATION LEAVING THE SLUG. (1.125")
3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
4) STRIP SECOND END USING THERMAL TWEEZERS.
5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
6) FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TORQUE/LOCATOR.

1 2 3 4 - performed using #190
3/16 (19)
on EUBANKS
GTC-A-463
K42 - mm
#1901 2-8-05

POST-ASSY CRIMP TEST...
STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE
SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,
CONTACT ENGINEERING.
CRIMP TEST: BY: 2 Br 1970 DATE: 2/9/05 STATUS Pass

DATE	QTY	REMARKS	STAT
2/10/05	4	8 7/8" (39) E 1 1/8" (39) @ 4 each	PM 1970
3.10.05	8	1 1/8" (353) 1" (200) 1 5/16 (175)	H.G. #1941
3.11.05	8	1 1/8 strips	H.G. #1941

- 3.11.05 8 5/16 strips H.G. #1941
- 3.11.05 crimps 1 5/16 H.G. #194
- 3-0-05 MV 1742 1" 5/16
- 3-17-05 tuning H.G. #1941 1"
- 3.14.05 crimp pin 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 3.1.05 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
15

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

PN# LAT-DS-02888
CABLE, CONN. TEM

WCR 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SOS
PO# 0000048799

CUST P#
QTY 19
PROJECT# P17200
CUST# 103300

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



4 230 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
QTE: 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	970 27
	4	1/8" 39 pieces	
3/4/05		(Redone)	970 27



5 220 00 CABLE/HARNESS ASSY AREA 0.0000 0.0000 0.0000
QTE: SLDR-0 ASSY-78
INSERT CRIMP CONTACTS TO CONNECTOR

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

3/1/05 1/5 inspection of strip
3/1/05 1/1 strips
1/7 strip 3/1/05
strips, crimps & tinning TO BE OLD 3/1/05
8-23-05

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

3-21-05 3 completed H.G.#19



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

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

DRR#(S)

ROUTE FOR NO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01644.

DATE	QTY	REMARKS	STATUS
2/17/05	4	AMP 206504-1 conn inserts. step 5.	970 27
3-15-05	2	AMP 206504-1 conn, check inserts	970 27
3/21-05	1		970 27
3/22/05	3	conn.	970 27

WORK ORDER : 112026

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-02568
QUANTITY : 19
LOCATION: W02

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLOC	LOT NUMBER	INVENTORY 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	21.00	09-23-04	
<p>The following parts have been defined as alternates for 206504-1: Line 1.1 311P407-SF-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-1	115299	35984.00	09-01-04	
<p>The following parts have been defined as alternates for 204370-8: Line 3.1 G08P1 1 PER Partial quantity replacements are allowed.</p>											
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	84.00	RSVD	1596.00	114796	SKCF2 FN-2	114796	1897.00	09-23-04	IN ASSY
							FN-2	115041	572.00	09-27-04	117200

19

1938w

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 2/09/05 TESTED BY RHODA MARMON 1970 WORK ORDER NO. 112026
CONTACT PN:	204370-8	
WIRE PN:	M22759/11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A-930)	
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	ALPHATRON MPF 2000 (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 #:	/	
CONTACT PN:		
WIRE PN:		
CRIMP TOOL PN (GTC Tool #):	(GTC-)	TEST DATE 2/09/05 TESTED BY Russ Marshall 1970 WORK ORDER NO. 112026
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:	13.2	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 MARLINO 1 1970	TEST DATE
CONTACT PN:	204370-8	2-15-05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A 930)	RHODA MARLINO 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A 931)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MFE 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:	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}	<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}	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
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 Ritona Marmion WORK ORDER NO. 1102/12026
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

Cat-05-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):

PRE - PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #:

Heckie Gray 1#1441

TEST DATE

CONTACT PN:

704370-8

2.28.05

WIRE PN:

M22759 / 11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC 1.520)

Heckie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-09 (GTC 1.631)

WORK ORDER NO.

SELECTOR VALUE:

3

112026

TEST EQUIP # (Last CAL date):

Alperton MPF200A (GTC 1.18.05)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.0	12.0
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> 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):

7:42 a.m.

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 127941

TEST DATE

CONTACT PN:

204370-8

33.05

WIRE PN:

M22759 / 11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC 1-830)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520 2-01 (GTC 1-831)

WORK ORDER NO.

SELECTOR VALUE:

3

112026

TEST EQUIP # (Last CAL date):

Aluminum MPF 200A ~~16.17.04~~

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.6	13.4
PASS/FAIL (circle test result)	PASS	FAIL	PASS
	FAIL	PASS	FAIL
	PASS	FAIL	PASS
	FAIL	PASS	FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

9.501.1c

CRIMP TENSILE STRENGTH

Lot DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE - PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #:

Herbie Gray 1#1941

TEST DATE

CONTACT PN:

204370-8

3.605

WIRE PN:

M22759 / 11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC 1102)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-09 (GTC 831)

WORK ORDER NO.

SELECTOR VALUE:

3

112026

TEST EQUIP # (Last CAL date):

Hidatron MPF 20A (6.17.04)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	13.2	13.4
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
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8:50 A.M.

CRIMP TENSILE STRENGTH Cat-15-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE - PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #: Heddie Gray 1#1941

TEST DATE

CONTACT PN: 204370-8

3.7.05

WIRE PN: M2259/11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #): M22520/2-d (GTC# 830)

Heddie Gray

DIE/LOCATOR PN (GTC Tool #): M22520/2-09 (GTC# 831)

WORK ORDER NO.

SELECTOR VALUE: 3

117026

TEST EQUIP # (Last CAL date): Hphutec MPF700A (1.1805)

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 (at 15-02588)

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	3/4/05
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 / 2-09 (GTC# 836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	MPT-2004 (6-17-04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH CAT-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 #1441	TEST DATE
CONTACT PN:	204370-8	3.21.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 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):	Alperton MPT-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
	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 NAT-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-#611)	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} 6/17/05 GR 958	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.7	13.5	13.4
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL

Check Failure Mode Observed

SLIP (pull out) (a)	✓ 13.7		✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

