

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

S H I P P E R
SHIPPER NUMBER F17301.8
SALES ORDER NUMBER F17301
SHIP DATE 06/08/05
PAGE 1

S 15356
O SLAC
L ACCOUNTS PAYABLE
D 2575 SAND HILL RD M/585
MENIO PARK, CA 94025
T
O

B 15356
I SLAC
L ACCOUNTS PAYABLE
L 2575 SAND HILL RD M/585
MENIO PARK, CA 94025
T
O

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

CUSTOMERS PO: 0000053627

RESALE NO:

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

Special Inspection is required.

1.1	12	EA	LAT-DS-01643 ASSY, UNIT-TEM/IPS S/N: GT112 GLAT1839. QTY DUE...: 10	52	1.00	1	130884
-----	----	----	--	----	------	---	--------

SHIP.VIA: UPSR
WAYBILL#:

Certificate of Conformance

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

Andrea Martinez (GTC) 6/8/05
Quality Assurance Signature Date

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

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT112-GLAT 1839

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# 113231 : S/N (above SN)

TPS Unit; LAT-DS-01482 WO# 113216 : S/N GT116 GLAT 1824

TPS CCA; LAT-DS-02388 WO# 112069 : S/N GT116 GLAT1786

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# 113121 : S/N GT120 GLAT1809

TEM CCA; LAT-DS-01646 WO# 112020 : S/N GT120 GLAT1771

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.) ()

(_____)

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: 67712 GLAT 1839

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: Test 10# 24112

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

LAT-DS-02388/29629 LAT-DS-01481/31757 LAT-DS-01646/29683/30071
 3 0102

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

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

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

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

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

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

Completed by: Carilia Martinez

Date: 6-8-05

GTC QA Acceptance:  _____

Date: 6-8-05

SLAC QAR Acceptance:  _____

Date: 6.15.05

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

/P/N# LAT-DS-01643
UNIT-TEM/OPS

WCS 115231
REC DATE 05-06-05
REL DATE 04-21-05
SO# 717301
PO# 0000053627

CUST #
CITY
PROJECT#
CUST#
117301
40386

SERIAL NUMBER -----
G-T112 GLAT1839

APPROVAL: ---
PROD: K.H. 5-3-05
Q.H. 5.3.05

WORKMANSHIP:-----
IPC/EIA-J-STD-001C CLASS B; WITH "CS" SPACE SUPPLEMENT

FLAC 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.

PLA 01.01.05-----

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV ED/PL OUTSTANDING BO'S
LA-DS-01643 53 NONE
(SAME - ON DWG)
COST SW: LAT-PS-02418/03078 03 NONE
VISE/TC: (NOT APPLICABLE; HAS SK-192, SWM DELETED GTC DO.)
ASSY AID: LA-DS-01643 (RELEASED PER EC 0479)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
***** BUILD DOCUMENTS *****
USE WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

* SEE LAST PAGE OF WO (FOOTER) FOR TRAVELER REV/CHG RECORD *

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

5/3/05 _____ None



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

PROCESS MATERIAL PER CAA STEP 2,

DATE... QTY... REMARKS..... STATUS
5/11/05 1 _____ LINA 2004

SENSITIVE

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASSY P/N: LAT-DS 01443
ASSY UNIT: TEM/TPS

WOB: 111331
REQ DATE: 03-08-05
MFG DATE: 04-21-05
SOP: F17301
PO#: 0000053627

CUST P# 1
CITY 1
PROJECT# F17301
CUST# 15356

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



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

PROCESS ASSY PER CAA STEP 3.

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



4 210 00 CCA/BLACK BOX ASSY AREA
TORQUE FASTENERS

PROCESS ASSY PER CAA STEP 4.
ALERT SLAC CAR TO WITNESS TORQUE PROCESS.
RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.
TORQUE TOOL = GTC-A-977
GTC-B-544 CAL DUE DATE: 08/05

DATE	QTY	REMARKS	STATUS
06/07/05	1		Ryp(1288)
6703	1	WITNESS TORQUE	



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

PROCESS ASSY PER CAA STEP 5.
RECORD MATERIAL DATA BELOW.
ADHSV 0154, GTC P# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START- 06/08/05 8:30 AM STOP- 10:30 AM

DATE	QTY	REMARKS	STATUS
06/08/05	1		Ryp(1288)



7 217 00 CCA/BLACK BOX ASSY AREA
ASSY MARKING AND LABEL

PROCESS ASSY PER CAA STEP 4.
RECORD MATERIAL DATA BELOW:
INK 50-100R, GTC P# 31201 EXPIRATION DATE 04/27/07
LOT # (PT A): 200409080033
LOT # (PT B): 200407020071
MIX RECORD (PT A WHITE) 10gr (PT B WHITE) 0.6gr
MARKING DATE/TIME: 06/08/05 8:30 AM to 10:30 AM
MIX OCCURS AT STAKING STEP 45

DATE	QTY	REMARKS	STATUS
06/08/05	1		(1288) Ryp

Handwritten notes and signatures, including 'LAT 10 02' and 'Ryp'.

WORK CELL: 1-210 RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

ASSY/PNS LAT DS-01442
ASSY UNIT-ITEM/TPS

WOT 113231
REQ DATE 03-16-05
REL DATE 04-21-05
PCE P-17301
POS 000003627

CUST #
PROJECT 1
P-17301
CUST# 18358

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



6 290 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
6/8/05	1		



7 282 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE BOX JOINING
AND ELD PACKAGE

* PROCESS ASSY PER CAA STEP 7.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

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

DATE	QTY	REMARKS	STATUS
6-8-05	1	GLAT 1839	



9 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-0 ASSY-17

* PROCESS ASSY PER CAA STEP 8.

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

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6/8/05	1	GLAT 1839	

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/PC# IAI-DS-01443
ASSY. UNIT-TEM/TFS

WO# 113231
REQ DATE 05-06-05
REL DATE 04-21-05
JOB# 0133-01-05
PO# 0000053627

CUST #
QTY 1
PROJECT# 117501
COST# 10356

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



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

* PROCESS ASSEMBLY PER CAA STEP 9.

DATE	QTY	REMARKS	STATUS
04/07/05	1		dyf(1298)

***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: NEFFIN FOR ASSY REV: 53 DATE: 04.26.05
 ASSY CHG CUS
 REV BY IAI CHANGE DETAIL
 53 SLR 042605 UPDATED FOR UNITS 4 THAN 02.

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

WORK ORDER - 111221

(NEW)

WORK ORDER PICK LIST

PAGE: 1

GROUP : LAT DS-01642
PLANT :
LOCATION: W02

BY LINE ITEM

ISSUE ACTIVITY DATE: 08-01-08
ISSUE NUMBER: 08-01-08
DATE PRINTED: 08-17-08

DATE FILLED _____

FILLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	QUANTITY	REQD CURR STAT	ACQUIREMENTS	RESV IN LOT #	INVLOC NUMBER	LOT	INVENTORY LOCATN	DATE	BIN	QTY
1	LAT-DS-01642 SCREW, SATED, CAP ORIGINAL QUANTITY	EA	40.00	RSVD	40.00	100300	SK022 FN-02	110107	40	08-11-08	IN ASSY	
2	1151 AGGRESSIVE, W/SL, 402 MTP ORIGINAL QUANTITY	OE	1.00	BO	1.00		SK022 FN-04		0			

WORK CELL: 1-DIG SINNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

PN# LAT-DS-01482
ASSY: CLART. DAO. 1PB

WO# 113216
REQ DATE 08-06-05
REL DATE 04-20-05
SO# F17300
PO# 0000048900

CUST P#
QTY 1
PROJECT# F17300
CUST# 18356

*SERIAL NUMBER *****
G-116 GLAT/1824

*****APPROVAL*****
PROD: 5-3-05
CA/M/5-3-05

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

*P/R 03.28.01*****

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
ASSY DWG: DOCUMENT NUMBER REV ED/PC OUTSTANDING EO'S
BOM PL: (SAME - ON DWG) 99 NONE
CUST SUB: LAT-PR-33009 99 NONE
P/S TEST: (N/A THIS LEVEL)
ASSY AID: LAT-DS-01482 (RELEASED PER ED 2477)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
***** BUILD DOCUMENTS *****
USE WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
***** SEE FOOTER OF WORK ORDER FOR REV HISTORY *****

DATE	QTY	REMARKS	STATUS
<u>5-3-05</u>			<u>CA/M</u>



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

* PROCESS MATERIAL PER CAA STEP 2.

DATE	QTY	REMARKS	STATUS
<u>5/17/05</u>	<u>1</u>		<u>LINE 2001</u>



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

INSTR. IDENTIFICATION

WORK ORDER TRAVELLER - NEW

PAGE 1

PN# LAT-10-01483
ASSY: GLAST, MAG, IFS

WO# 113216
BBO DATE 06-06-05
REL. DATE 04-31-05
SO# P17100
PO# 0000046600

CUST P#
QTY
PROJECT# P17310
CUST# 10300

LINE# DEST MAT# OP# DESCRIPTION..... H Q T R S
SET-UP RUN... LINE-MACH ST-LOT



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

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

GTC P# 32131 EXP. DATE 10/01/05
 LOT #'S (PT A) 32775 (PT B) 32775
 MIX RECORD (PART A MGMT) 15gr (PART B MGMT) 1gr

DATE	QTY	REMARKS	STATUS
<u>04/06/05</u>	<u>1</u>		<u>ByP(1288)</u>



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

- PROCESS ASSY PER CAA STEP 4.

INSTALLED CCA SERIAL NUMBER: GT116

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>ByP(1288)</u>



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

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

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

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>ByP(1288)</u>
<u>6.4.05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	<u>ByP(1288)</u>



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

WPN# LAT-DS-01482
MAY, GLAST, DAQ, TFS

MO# 111216
REQ DATE 06-06-05
REL DATE 04-23-05
QOS# 117300
POS# 0000048800

CUST #
QTY 1
PROJECT# 117300
CUST# 10386

.....
L14 DEPT MACH# OP# DESCRIPTION..... H O U R S
SET-UP RUN... LINE-MACH ST LOT



6 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL 02

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE... QTY... REMARKS.....
06/06/05 1 _____

STATUS
Rup (1238)

6.6.05 1 WITNESS TORQUE



7 211 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
SECURE J2 HARNESS

- PROCESS ASSY PER CAA STEP 7.

DATE... QTY... REMARKS.....
06/06/05 1 _____

STATUS
Rup (1288)



8 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL 01 TO LID

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE... QTY... REMARKS.....
06/06/05 1 _____

STATUS
Rup

6.6.05 1 WITNESS TORQUE



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ONS: LAT-DG-01482
ASST. MAST. DAO. TFS

WOF 112216
REQ DATE 05-05-05
REL DATE 04-20-05
SOC# F17300
PO# 0000048500

CUST.# 1
PROJECT# F17300
COST# 15355

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



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

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/06/05 2:00PM STOP-4:00PM

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>EXP(1288)</u>



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

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/06/05 2:00PM STOP-4:00 PM

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>EXP(1288)</u>



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

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/06/05 2:00PM STOP-4:00PM

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>EXP(1288)</u>

WORK CELL: 1-BIG RINNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

PN# LAT-DE-01462
WJ31, GLAST, BAO, TFS

WO# 113216
REQ DATE 05-06-05
REL DATE 04-20-05
CO# F17300
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 12250

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



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

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START 06/06/05 2:00PM STOP 4:00PM

DATE	QTY	REMARKS	STATUS
<u>06/06/05</u>	<u>1</u>		<u>ByP(1288)</u>



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

- PROCESS ASSY PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
<u>06/07/05</u>	<u>1</u>		<u>ByP(1288)</u>



14 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SLDP-0 ASSY-257

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

DATE	QTY	REMARKS	STATUS
<u>6/7/05</u>	<u>1</u>		



15 200 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
EXAMINE ASSY PRE-CLOSE

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

DATE	QTY	REMARKS	STATUS
<u>6.7.05</u>	<u>1</u>	<u>GLAT 1834</u>	



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

MODE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

PN# LAT-SS-01482
ASSY: GLAS: IAQ: TPS

MO# 113314
RPO DATE 05-06-05
REL DATE 04-20-05
JOB # 117300
JOB# 0000048800

CUST P#
QTY 1
PROJECT# 117300
CUST# 15356

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



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

* PROCESS ASSY PER CAA STEP 16.

DATE... QTY... REMARKS..... STATUS
06/07/05 1 _____ Byp(283)



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

- * PROCESS ASSY PER CAA STEP 17.
- ** ALERT SLAC OAR TO WITNESS TORQUE PROCESS.**
- * RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

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

DATE... QTY... REMARKS..... STATUS
06/07/05 1 _____ Byp(288)

6.7051 WITNESS TORQUE



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

* PROCESS ASSY PER CAA STEP 18.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE... QTY... REMARKS..... STATUS
6/7/05 1 _____

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

/P/N# LAT-DS-01443
ASSY. GLAST, BAQ. TFS

WOB 113216
REQ DATE 05-06-05
REL DATE 04-20-05
SO# P17200
PO# 0000148500

CUST #
CITY
PROJECT# P17300
CUST# 15356

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



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

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

ADMS# 0191; GTC PO# 3140-3 EXPIRATION DATE 01/31/07
CURE DATE/TIME START- 06/07/05 10:00AM STOP- 12:00 (Noon)

DATE	QTY	REMARKS	STATUS
<u>06/07/05</u>	<u>1</u>		<u>Byf(1292)</u>



20 290 00 QUALITY ASSURANCE AREA
CPE: SLDR-3 ASSY-40 0.0000 0.0000 0.0000

- * PROCESS ASSY PER CAA STEP 20
- RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
<u>6/7/05</u>	<u>1</u>		



21 280 00 SOURCE INSPECTION
CUSTOMER SOURCE INSP 0.0000 0.0000 0.0000

- * PROCESS ASSY PER CAA STEP 21
- RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
<u>6.7.05</u>	<u>1</u>	<u>GLAT 1824</u>	



***** TRAVELER REVISION HISTORY RECORD *****
 CREATED BY: HEPKIN FOR ASSY REV. DATE: 040505
 REV BY DATE CHANGE DETAIL
 00 014 040505 RELEASED AT REV 05, AND CAA AT REV

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

ORDER # : 147-DS-01492
CITY :
LOCATION : R02

BY LINE ITEM

EFFECTIVITY DATE : 05-11-01
ISSUE DATE : 05-11-01
DATE PRINTED : 05-17-01

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	DURA STATUS	REQUIREMENTS QUANTITY	RECV IN LOT #	INVTLOC NUMBER	LOT	INVENTORY US, ALL	DATE	BIN	QUANTITY
1	147-DS-00995 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	121225	SKCP2 FN-1	121225	14.00	09-30-07	SLAC	1
2	147-DS-10927 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	121224	SKCP3 FN-2	121224	14.00	09-30-07	SLAC	1
3	147-DS-12128 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP3 FN-3		0.00			0
4	WAS132004-5 WAS 26 EA. ORIGINAL QUANTITY...	EA	30.00	RSVD	30.00	115012	SKCP2 FN-4	115012	30.00	09-27-04	LOT 105	1
							SKCP2 FN-4	115081	100.00	04-13-05	IN ASSY	
5	WAS132005 WAS 26 EA. ORIGINAL QUANTITY...	EA	30.00	SO	30.00		SKCP2 FN-5		0.00			0
6	WAS132004-4 WAS 26 EA. ORIGINAL QUANTITY...	EA	20.00	RSVD	20.00	115019	SKCP2 FN-6	115019	20.00	09-07-04	F17320	1
							SKCP2 FN-6	115016	84.00	12-10-04	IN ASSY	
7	WAS132007 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP2 FN-7		0.00			0
8	WAS132008 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP2 FN-8		0.00			0
9	WAS132009 WAS 26 EA. ORIGINAL QUANTITY...	EA	5.00	SO	5.00		SKCP2 FN-9		0.00			0
10	WAS132010 WAS 26 EA. ORIGINAL QUANTITY...	EA	4.00	SO	4.00		SKCP2 FN-10		0.00			0
11	WAS132011 WAS 26 EA. ORIGINAL QUANTITY...	EA	0.01	SO	0.01		SKCP2 FN-11		0.00			0
12	WAS132012 WAS 26 EA. ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP2 FN-12		0.00			0

WORK ORDER 110016

(MEX)

WORK ORDER PICK LIST

PAGE: 2

DATE: 01-01-80
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 05-10-79
DATE PRINTED: 05-10-79

DATE FILLED: _____

FILLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS		ASSY IN LOT #	LOT INVLOC NUMBER	INVENTORY DATA		
			QUANTITY	STAT			QUANTITY	LOT	DATE
13	5123-88-0440 JACOPOST. M.F. 440X128X.31 ORIGINAL QUANTITY	EA	2.00	50	2.00	SNCF2 FN-13 FILLED	0	10	

WORK CELL: 4-MIXED

CUSTOMER: SLAC

DESCRIPTION

WORK ORDER TRAVELLER - NEW

PAGE 1

PN# LAT-ES-02388
CCA CLASS: 176

WO# 112069
REQ DATE 02-10-05
REQ DATE 12-01-04
COM#
PC# 0000048800

CUST PN
QTY 1
PROJECT# 017300
COST# 15155

SERIAL NUMBER: GT116 GHA
APPROVAL: PROJ: RT 2/10/05
OR: GH 2-10-05

WORKMANSHIP: CLASS 3
IPC/61A-3-STD-1010 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.

REV 02.07.05

DEPT MACH# OP# DESCRIPTION SEC-UP RUN TIME-MACH ST-DOT



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

CONFIGURATION DOCUMENTS
ASSY PWO DOCUMENT NUMBER REV PD/PL OUTSTANDING SO'S
0001 0001 LAT-ES-02388 558 NONE
0002 0001 LAT-ES-02388 03 NONE
0003 0001 LAT-ES-02388 03 NONE
ASSY TEST: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
BUILD DOCUMENTS
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
REV'D/PREP'D BY GH (DATE) DATE 02 07 05

4-28-05

Table with columns: DATE, QTY, REMARKS, STATUS. Includes handwritten date 2-10-05 and signature.



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

- PROCESS PER CAA STEP 21
- ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM
- ALL OTHER PARTS ROUTE TO SECOND ASSY.

Table with columns: DATE, QTY, REMARKS, STATUS. Includes handwritten date 2-10-05 and signature.



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

/PNS LAT-DE-02388
BLAST: TPS

WCH 1:2000
REQ DATE 02-10-05
REL DATE 12-01-04
SC#
PO# 0000046800

CUST P#
QTY
PROJECT# P17200
CUST# 19358

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



3 210 00 CCR/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
MARK QTC SN

* PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-11-05	1		2P 1858



4 210 00 SMT ASSY LINE 0.0000 0.0000 0.0000
PRE-SMT BACKOUT

* PROCESS PER CAA STEP 4.

RECORD DATE-TIME START/STOP BELOW.

BAKE DATE: 2-11-05 START: 12:16 STOP: 12:18

DATE	QTY	REMARKS	STATUS
2-11-05	1		2P



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

* PROCESS PER CAA STEP 5

* RECORD SOLDER PASTE DATA BELOW:

SIC PO# 31728 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2/17/05	1		11K 1864



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

* PROCESS PER CAA STEP 6.

DATE	QTY	REMARKS	STATUS
2-17-05	1	TP 11	2P

- 201 - .0074
- 098 - .0077
- 011 - .0077
- 110 - .0076
- 012 - .0077
- 057 - .0078
- 038 - .0075
- 031 - .0078
- 074 - .0077

Solder Paste Data
 Sum = .0089
 Avg = .0076
 Range = .0004

Measurements
 Taken By
 MK 1864
 2/17/05

WOB: CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

WPN: LAT-06-02388
CAA: CLAS: 195

WO# 112069
REQ DATE 02-10-05
REL DATE 12-01-04
JOB#
WOB# 0000048800

CUST P#
QTY 1
PROJECT# P17300
COST# 15355

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



7 013 00 SMT ASSY LINE
SOLDER REFLOW 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
2/18/05	1		FF



8 013 00 SMT ASSY LINE
ACQUOUS CLEAN 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 8.

DATE	QTY	REMARKS	STATUS
2/18/05	1		FF



9 013 00 QUALITY ASSURANCE AREA
UFE SLOC-1259 ASSY-1445 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 9.

RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR#(S) 89497 dm

DATE	QTY	REMARKS	STATUS
2/18/05	1		dm

A CDD
using short length of 1048 U.S.
DE 2-1-05



10 013 00 SMT ASSY LINE
SOLDER PASTE STENCIL
TOP SIDE 0.0000 10.0000 0.0000

PROCESS PER CAA STEP 10

RECORD SOLDER PASTE DATA BELOW.

STC P# 31804 EXPIRATION DATE 02/02/05

DATE	QTY	REMARKS	STATUS
2/18/05	1		FF

0001 - .0070
0002 - .0072
0003 - .0071
0004 - .0071

WORK CELL 4 MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NRW

PAGE 4

PN# 1AT-DS-02388
CWA GLAST, TFS

WO# 112155
REQ DATE 02-10-05
REL DATE 12-01-04
RGR
PO# 000048800

CUST #
QTY 1
PROJECT# 717300
CLSCR 15355

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



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

* PROCESS PER CAA STEP 11

DATE	QTY	REMARKS	STATUS
2-22-05	1	TP-4	PF



12 213 00 SMT ASSY LINE SOLDER REFLOW 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 12

DATE	QTY	REMARKS	STATUS
2-22-05	1		PF



13 213 00 SMT ASSY LINE AQUEOUS CLEAN 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 13

DATE	QTY	REMARKS	STATUS
2-22-05	1		PF



14 251 00 QUALITY ASSURANCE AREA OPE: SLDW-1421 ASSY-784 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 14

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

DR#15: 24629

DATE	QTY	REMARKS	STATUS
2-23-05	1	4714 Post Blow	3736

* including D600 of assembly
* including D500 of assembly
* including D600 of assembly

03/12/05 Installed CR2 from previous page. by 03/12/05
03/12/05 filled D500 & D600 stations

3/12/05

WORK CELL, 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

CAA: GLAST, TFS

WOM 210069
REQ DATE 02-10-05
REL DATE 12-01-04
PC# 0000048800

CUST # 1
QTY 1
PROJECT# P17300
CUST# 15355

PAGE 5

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



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

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

DATE	QTY	REMARKS	STATUS
2/10/05	1	Tinned	Flow 200
2/14/05		Tinned leads	me 1044

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



15 210 00 CCA/BLACK BOX ASSY AREA
MECH ASSY - HTSNAS/VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 15.
- * RECORD ADHESIVE DATA BELOW:
GTC PO# 31450 EXPIRATION DATE 05/17/05
- * RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.
TOOL = GTC-A-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	GTC	STATUS
03/04/05	1	Installed Heatsinks	1288	Buy
04/12/05	1	Installed VRS (GTC-A-976)		Buy



15 210 00 CCA/BLACK BOX ASSY AREA
TERMINATE VRS 0.0000 0.0000 0.0000

- * PROCESS PER CAA STEP 17.
- | DATE | QTY | REMARKS | STATUS |
|----------|-----|-----------------|-----------|
| 03/22/05 | 5 | Stripped wires | MV |
| 03/22/05 | 5 | Tinned wires | MV |
| 4-23-05 | 1 | Installed wires | (GTC 582) |

special in-process
 QA Examination of
 wires
 me 4-7-05
 checked wires for VRS (Buy 4/22/05)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 6

CAIA/PNS LAT-DS-02388
CAIA, GLANT, TFS

WG# 112069
REQ DATE 02-10-05
REL DATE 12-01-04
JOB#
PC# 0000048800

CUST #
QTY
PROJECT# 117300
CUST# 10308

LINE DEPT MACH# OP# DESCRIPTION..... SET-UP RUN... H O U R S
LINE-MACH ST-107



19 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER R1, R2

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS

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



19 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER IC WIRES

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
04/12/05	1	Installed wires	BYE



20 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLD-70 ASSY-41

* PROCESS PER CAA STEP 20

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

DDR#(S):

DATE	QTY	REMARKS	STATUS
4/12/05	1		BYE



21 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
MECK ASSY-BOTTOM ICS

* PROCESS PER CAA STEP 21.

* RECORD ADHESIVE DATA BELOW:

HTC # = 31450 EXPIRATION DATE 05/17/05

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

TOOL = GTCA-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
04/13/05	1		BYE

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

WIP# 127-DS-02388
CAA: GLAST, TFR

WO# 112049
REQ DATE 02-10-05
REL DATE 12-01-04
SO#
PC# 0000048800

CUST #
QTY 1
PROJECT# F17300
CUST# 15158

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



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

* PROCESS PER CAA STEP 22.

DATE	QTY	REMARKS	STATUS
04-14-05	1		67C 582



23	200	00		QUALITY ASSURANCE AREA CPE: SLDR-35 ASSY-29	0.0000	0.0000	0.0000	
----	-----	----	--	--	--------	--------	--------	--

* PROCESS PER CAA STEP 23.

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

DEFECT(S) _____

DATE	QTY	REMARKS	STATUS
04/14/05	1		67C 582



24	210	00		CCA/BLACK BOX ASSY AREA INSTALL/SOLDER 0504, 0604	0.0000	0.0000	0.0000	
----	-----	----	--	--	--------	--------	--------	--

* PROCESS PER CAA STEP 24.

* RECORD ADHESIVE DATA BELOW:

GTC #04 31450 EXPIRATION DATE 05/17/05

DATE	QTY	REMARKS	STATUS
04-14-05	1		67C 582



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

* PROCESS PER CAA STEP 25

DATE	QTY	REMARKS	STATUS
3/16/05	1	PREP CAPS	SC-1587
4-15-05	1	Installed & solder caps	67C 582

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 8

//PN# LAT-US-02288
CCA, CLAST, TFS

WCR 112069
RPO DATE 02-10-05
RPO DATE 12-01-04
PCN
POM 0000048800

CUST #
CITY
PROJECT#
CUST#
1
1517300
10306

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



26 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER P. R. T 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 26.

R1 + R2 ME 4-8-05

DATE	QTY	REMARKS	STATUS
04-15-05	1		582



27 290 00 QUALITY ASSURANCE AREA
OP# SLDK-74 ASSY-38 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 27.

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

ERR#(S)

DATE	QTY	REMARKS	STATUS
4/15/05	1		582



28 265 00 SPEA ICT
SPEA TEST 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 28.

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

IDRR#(S) 2412

DATE	QTY	REMARKS	STATUS
04/16/05	1	SV: GT 116	failed
04/18/05	1	GT116: Greg Poggi authorized that the raised assembly be tested without DSOS, CCA	passed



29 210 00 CCA/BLACK BOX ASSY AREA
INSTALL/SOLDER IP CARTR 0.0000 0.0000 0.0000

SLDK 1/P-RCH 3 check ME 3-2-05 04-19-05 MKD
04-19-05 MKD (1288)
04-19-05 MKD 4/19/05

* PROCESS PER CAA STEP 29.

DATE	QTY	REMARKS	STATUS
04-19-05	1	Installed of soldered wire on case	582

WORK CELL: 4-MIXED

CUSTOMER: SIAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

Asst/Eng: JAT DS-02398
CAA: BLAST, TR

WO# 112069
REV. DATE 03-10-05
REV. DATE 12-01-04
PUB# 0000048800

CUST PR
QTY
PROGRAM #17300
CUST# 15356

PAGE 2

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



30 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER O/P CABLE
SLDR O/P-ROW 1>CHECK-04-19-05 M.D. 11/19/05
SLDR O/P-ROW 2>CHECK-04-19-05 M.D. 11/19/05
SLDR O/P-ROW 3>CHECK-04-19-05 M.D. 11/19/05
SLDR O/P-ROW 4>CHECK-04-19-05 M.D. 11/19/05

* PROCESS PER CAA STEP 30.

DATE... QTY... REMARKS... STATUS
04-19-05 1 Installed & Solder Wires on Board



31 201 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPER SLDR-98 ASSY-107

* PROCESS PER CAA STEP 31.

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

DR#(S)

DATE... QTY... REMARKS... STATUS
11/19/05 1



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

* PROCESS PER CAA STEP 32.

DATE... QTY... REMARKS... STATUS
4/24/05 1 Washed 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

VEN# LAT-DS-02388
CAA BLAST. DCS

WOB 113069
REL DATE 02-10-05
REL DATE 12-01-04
SOW
PO# 0100048800

CUST #
QTY
PROJECT# 717300
CUST# 15356

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



33 230 00 COATING/POTTING AREA
POT WITH RTV - CABLE
DCS-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 33

RTV DCS-1104, GTC FOR 31695 EXPIRATION DATE 8/21/05

SEE ADHESIVE 0151 APPLICATION FOR CURE DATA.

DATE	QTY	REMARKS	STATUS
5/4/05	1		P.O. 1946



34 210 00 CCA/BLACK BOX ASSY AREA
STAKE WITH RTV - VRS
DCS-1104 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 34 MC 3-14-05

RECORD DEFECT RECORD REVOKS. COMMENTS: MC 3-14-05
RTV DCS-1104 PO#: 31403 EXP. DATE: 1-31-07

DATE	QTY	REMARKS	STATUS
5/4/05	1		P.O. 1946



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

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

WHEN CURE DATE 10/7/05 START DATE 1-31-07 STOP DATE
WHEN CURE DATE _____ START _____ STOP _____

RTV
DCS-1104
MC
3-14-05

DATE	QTY	REMARKS	STATUS
5/4/05	1		P.O. 1946

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

APP: LAT-DS-02388
CAA: GLAST, OPS

WOS 112089
REQ DATE 02-10-05
RPT DATE 12-01-04
COST P# 0000048800

COST P#
QTY 1
PROCESS P# P17100
COST# 15356

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



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

* PROCESS PER CAA STEP 34.

ADHESIVE 0151, GTC P# 31403 EXPIRATION DATE 1-31-07

CURE DATE 5/4/05 START 12:30 P.M. STOP 2:30 P.M.

DATE QTY.. REMARKS..... STATUS
5/4/05 1 baked @ 140°F P.O.1946



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

* PROCESS PER CAA STEP 37.

ADHESIVE 0151, GTC P# 31403 EXPIRATION DATE 1-31-07

CURE DATE 5/4/05 START 12:30 P.M. STOP 2:30 P.M.

DATE QTY.. REMARKS..... STATUS
5/4/05 1 baked @ 140°F P.O.1946



38 210 CC CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE COMPONENTS - Q650,
Q650, P2-P5

* PROCESS PER CAA STEP 35.

ADHESIVE 0151, GTC P# 31403 EXPIRATION DATE 1-31-07

CURE DATE 5/4/05 START 12:30 P.M. STOP 2:30 P.M.

DATE QTY.. REMARKS..... STATUS
5/4/05 1 baked @ 140°F P.O.1946

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

/P# 1AT-DS-02388
CAA: ULAST, TPS

NO# 112359
REV. DATE 12-10-05
REV. DATE 12-01-04
SQ#
PO# 0000048800

CUST #
QTY
PROJECT# P17300
COST# 15328

PAGE 13

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



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

* PROCESS PER CAA STEP 39.

ADHESIVE 0151, QTY PO# 31403 EXPIRATION DATE 1/31/07
CURE DATE 5/4/05 START 12:30PM STOP 2:30PM

DATE... QTY... REMARKS..... STATUS
5/4/05 1 baked @ 140°F P.O. 1946



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

* PROCESS PER CAA STEP 40.

ADHESIVE 0151, QTY PO# 31403 EXPIRATION DATE 1/31/07
CURE DATE 5/4/05 START 12:30PM STOP 2:30PM

DATE... QTY... REMARKS..... STATUS
5/4/05 1 baked @ 140°F P.O. 1946

GR 4-28-05



41 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-0 ASSY-97

* PROCESS PER CAA STEP 41.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR#(S):

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



05/06/05 filled shortage of
DS05 & D605. ^{By} 05/06/05
5/6/05
inspector of
DS05 & D605

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 13

VEN# LAT-DG-02388
CAA: GLAT, TPS

W# 112069
REQ DATE 02-10-05
REL DATE 12-31-04
SC#
PC# 0000048800

CUST #
QTY 1
PROJECT# P17300
CUST# 15188

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



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

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

DATE... QTY... REMARKS.....
5-11-05 1 GLAT 1786

STATUS



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

* PROCESS PER CAA STEP 42.

DATE... QTY... REMARKS.....
5-17-05 1

STATUS

913 E 298



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#(S)

DATE... QTY... REMARKS.....
5/26/05 1

STATUS



45 290 00 SOURCE INSPECTION
SLAC CAR PRE-POUNT INSP.
MANDATORY INSPECTION
POINT (BEST POINT) 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 46.

DATE... QTY... REMARKS.....
6-1-03 1 GLAT 1786

STATUS



WORK CELL: 4-MIXED

CUSTOMER: SIAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

LINE: 121-DS-02398
CAA, GLAST, TPS

WOB: 112000
REQ DATE: 02-10-05
REL DATE: 12-01-04
SC#: 0000046600

CUST #:
QTY: 1
PROJECT#: P17100
CURTS: 15386

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



46 010 00 CCA/BLACK BOX ASSY AREA
HAND CLEAN AND TEST
FOR CLEANLINESS OF CCA.
ATTACH RESULTS REPORT TO
THE TRAVELER/NO.

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

DATE	QTY	REMARKS	STATUS
6/2/05	1		MM-148
6/2/05	1	Cleanliness	STB



47 260 00 QUALITY ASSURANCE AREA
OP#: SLD# 0 ASSY-7

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

DATE	QTY	REMARKS	STATUS
6/2/05	1		STB



48 250 00 COATING/POTTING AREA
BAKE-OUT AND MASK

- PROCESS CAA PER CAA STEP 48.
- RECORD BAKE DATE-TIME START/STOP BELOW.

BAKE DATE: 6/02/05 START: 3:33pm STOP: 4:45

DATE	QTY	REMARKS	STATUS
6/02/05	1	Mask/Bake Coat	STB GN

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 18

.../PWA CAT DS-02388
C.A. GLAST. TPS

WOB 112069
REQ DATE 02-10-05
REL DATE 12-01-04
CO#
PC# 0000046600

CUST P#
CITY 1
PROJECTS P17300
CUST# 15386

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



49 250 30 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 6/2/05 START 7:00PM STOP 6:30AM(6/3/05)

DATE... QTY... REMARKS... STATUS
6/2/05 1 COAT QW



50 250 30 COATING/POTTING AREA 0.0000 0.0000 0.0000
OVEN CURE/TOUCHUP

* PROCESS CAA PER CAA STEP 50.

OVEN CURE DATE 6/3/05 START 6:30AM STOP 7:30
OVEN CURE DATE 6/3/05 START 8:13 STOP 9:15

DATE... QTY... REMARKS... STATUS
6/3/05 1 SAG



51 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-3 ASSY-7

* PROCESS CAA PER CAA STEP 51.

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

- ... COPIES OF CERTIFICATIONS...
- REA TEST REPORTS
- INSPECTION REPORTS
- NON-COMFORMANCE REPORTS
- ENVIRONMENTAL DATA PACKAGE FORMS
- DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE... QTY... REMARKS... STATUS
6/2/05 1

WORK FIELD: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

/PNT LAT-DS-02386
GIA, GLAST. TPS

WO# 112069
REQ DATE 02-10-05
REL DATE 12-01-04
SOS
POS 001048800

CUST PR
CITY 1
PROJECT# P17900
COST# 18386

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



62 280 00 SOURCE INSPECTION 0.0000 0.0000 0.0000

* PROCESS CAA PER CAA STEP 52.

NOTE: NEXT ASSEMBLY IS LAT-DS-01482.

DATE	QTY	REMARKS	STATUS
6.6.05	1	GLAT 1786	LAT 10 Q1

SERIAL NUMBER: _____ APPROVAL: _____
 PROD: _____ / _____
 QA: _____ / _____

MEMBERSHIP: _____
 TPC/ETA-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.
 *10 02.06.01*****

WORK ORDER : 112069

(NEW)

WORK ORDER PICK LIST

PAGE: 1

MBLY # : LAT-DS-12388
ACTIVITY :
LOCATION: W02

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		INVL	LOC	INVENTORY DETAIL			
			QUANTITY	STAT			QUANTITY	LOT #	QUANTITY	LOT DATE
1	LAT-DS-02389 PWB CLAST, TPS ORIGINAL QUANTITY...	EA	1.00			SK2 FN-D1		0.00		
				RSVD	1.00	120305	SKCF2	120305	15.00	09-11-07
2	LAT-DS-02390-01 ASSY. CABLE, TPS T/P PWR ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SK2 FN-D3	17 J2		1.00	
			1.00				SKCF2		0.00	
3	LAT-DS-02405 HEAT SINK, TPS ORIGINAL QUANTITY...	EA	4.00			SK2 FN-D3		0.00		
			4.00	RSVD	4.00	115014	SKCF2	115014	6.00	08-23-07
4	LAT-DS-02831-01 ASSY. CABLE, TPS O/P PWR ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SK2 FN-D4	19 J1		0.00	
			1.00				SKCF2		0.00	
	LAT-DS-03598 SUPPORT, CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00			SK2 FN-D21		0.00		
			2.00	RSVD	2.00	120308	SKCF2	120308	24.00	09-11-07 IN ASSY
								14.00	09-27-04	F17300
5	LAT-DS-05535 LABEL, SN ORIGINAL QUANTITY...	EA	1.00	BO	1.00	SK2 FN-D22		0.00		
			1.00				SKCF2		0.00	
7	NAS1149CN430R WASHER ORIGINAL QUANTITY...	EA	4.00			SK2 FN-D5	58293		6.00	07-31 01 ASE
			4.00	RSVD	4.00	115016	SKCF2	115016	135.00	09-27-04 LOT 115
8	NAS67106 NUT, 28, 5M, PAT ORIGINAL QUANTITY...	EA	19.00	RSVD	19.00	122955	FN-5		545.00	02-02-05

WORK ORDER : 112069

NEW

WORK ORDER PICK LIST

PAGE: 2

ASSEMBLY : LAT-DS-0218E
PLANT : 1
LOCATION: W02

BY LINE ITEM

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

DATE FULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
					STAT	QUANTITY				LOT QUANTITY	LOT DATE	SINLOC	BIN
8	NAS671C6 NUT, #6, SM, FAT Cont from prior page	EA	19.00					FN-6	117403	57.00	11-04-04	D2K	
									PULLED:				
								FN-6	122960	910.00	02-02-05		
									PULLED:				
								FN-6	122986	500.00	02-03-05		
									PULLED:				
								FN-6	122987	500.00	02-03-05		
									PULLED:				
								SKCP2	44571	18.00	08-19-00	CP3D	
									PULLED:				
									116770	423.00	10-28-04		
									PULLED:				
9	NAS1352N16-6 SCREW ORIGINAL QUANTITY...	EA	7.00					SK2 FN-D7		0.00			
									PULLED:				
					RSVD	7.00	115011	SKCP2	115011	121.00	09-27-04		
									PULLED:				
10	NAS1352N14-6 SCREW ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D8		0.00			
									PULLED:				
					RSVD	4.00	114832	SKCP2	114832	65.00	09-23-04	LOT 115	
									PULLED:				
									115012	712.00	09-27-04	IN ASSY	
									PULLED:				
11	NAS1149CN612R WASHER ORIGINAL QUANTITY...	EA	19.00					SK2 FN-D9		0.00			
									PULLED:				
					RSVD	19.00	115010	SKCP2	115010	10.00	09-27-04		
									PULLED:				
12	NAS671C4 NUT, HEX, SS, PASS, 4-40TRD ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	122091		SK2 FN-D10	122091	133.00	01-20-05	DWT	
									PULLED:				
								FN-D10	122142	24.00	01-20-05		
									PULLED:				
								FN-D10	122180	150.00	01-21-05		
									PULLED:				
								FN-D10	123196	2000.00	02-04-05		
									PULLED:				
								FN-D10	123384	320.00	02-07-05		
									PULLED:				

10219

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

BY LINE ITEM

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

DATE 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
12	NAS671C4 NUT, HEX, SS, PASS, 4-40TRHD Cont from prior page.	EA	4.00			FN-D10	123397	610.00	02-07-05	
						FN-D10	123312	80.00	02-07-05	
						FN-D10	123321	155.00	02-07-05	
						FN-D10	123332	160.00	02-07-05	
						FN-D10	123691	700.00	02-07-05	
						SKCF2	115009	21.00	09-27-04	LOT 115
13	CV-2946 REV. MUSCL TECH ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D11		0.00		
			1.00			SKCF2		0.00		
14	0151 ADHESIVE; HYSOL 402 KIT ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D12		0.00		
			1.00			SKCF2		0.00		
15	PLTIX-C76 TIE CABLE LOCKING PANDUIT ORIGINAL QUANTITY...	EA	5.00	BO	5.00	SK2 FN-D15		0.00		
			5.00			SKCF2		0.00		
16	5750 CONFORMAL COATING URELANE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D17		0.00		
			1.00			SKCF2		0.00		
17	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D18		0.00		
			1.00			SKCF2		0.00		
18	M22159/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	1.00	RSVD	1.00	SK2 FN-D19	40190	1250.00	09-14-00	5M2 R4
			1.00				(FOR TERMINATING VRS)			

Handwritten initials or mark at the bottom center of the page.

ORGLY # : LAT-DS-02368
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-19
RELEASE DATE : 12-31-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RSVD IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL					
			REQUIRED QUANTITY	CURR STATUS				LOT QUANTITY	LOT DATE	LOT LIFE	BIN	QUANTITY	
	WIRE, 24AWG, WHITE Cont from prior page.					SKCF2	115299	17716.00	10-01-04	LOT1152			
							PULLED:						
19	LAT-DS-04101 HEATSINK ORIGINAL QUANTITY...	EA	2.00			SK2 FN-D20		0.00					
				RSVD	2.00 120304	SKCF2	120304	34.00	09-11-07				
							PULLED:						
20	APF461 IC FILTER ORIGINAL QUANTITY...	EA	1.00			SK2 FN-34 VRS		0.00					
				RSVD	1.00 114959	SKCF2	114959	17.00	09-27-04				
							PULLED:						
21	MAX724ECK IC ORIGINAL QUANTITY...	EA	7.00			SK2 FN-36 US U7 U8 U10 U15 U17 U18		0.00					
				RSVD	7.00 114961	SKCF2	114961	148.00	09-27-04				
							PULLED:						
22	5962R9663501VXC IC ORIGINAL QUANTITY...	EA	5.00			SK2 FN-15 U20 U559 U560 U659 U660		0.00					
				RSVD	5.00 120301	SKCF2	120301	199.00	12-16-04	DRY-10			
							PULLED:						
23	68R10400TKV DIODE ORIGINAL QUANTITY...	EA	7.00			SK2 FN-19 D1 D2 D3 D4 D8 D19 D20		0.00					
				RSVD	7.00 114948	SKCF2	114948	210.00	09-27-04				
							PULLED:						
24	JANTXV1N4153UR-1 DIODE ORIGINAL QUANTITY...	EA	8.00			SK2 FN-20 D502 D503 D509 D509 D602 D603 D609 D699		0.00					
				RSVD	8.00 114949	SKCF2	114949	84.00	09-27-04				
							PULLED:						
25	JANTXV1N5906US DIODE IN5906US ORIGINAL QUANTITY...	EA	8.00			SK2 FN-21 D601 D604 D507 D509 D601 D604 D607 D603		0.00					
				RSVD	8.00 114950	SKCF2	114950	128.00	09-27-04				
							PULLED:						
26	JANTXV1N648TUS DIODE ORIGINAL QUANTITY...	EA	6.00			SK2 FN-33 CR1 CR3 CR4 CR6 CR8 CR9		0.00					
							PULLED:						



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

BY LINK ITEM

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

DATE PULLED: _____ PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STAT QUANTITY			LOT QUANTITY	LOT DATE	SIN
11*	DIODE Cont from prior page.	EA		RSVD 6.00	114952	SKCF2 114952	148.00	09-27-04	
						PULLED:			
27	JANTXVIN4106UR-1 DIODE ORIGINAL QUANTITY...	EA	4.00			SK2 FN-24 CR5 D10 D535 D605 PULLED:	0.00		
				RSVD 4.00	114953	SKCF2 114953	4.00	09-27-04	
						PULLED:			
28	JANTXVIN4494US DIODE ORIGINAL QUANTITY...	EA	1.00			SK2 FN-26 D500 PULLED:	0.00		
				RSVD 1.00	114955	SKCF2 114955	1.00	09-27-04	
						PULLED:			
29	JANTXVIN6488US DIODE ORIGINAL QUANTITY...	EA	1.00			SK2 FN-22 CR2 PULLED:	0.00		
				RSVD 1.00	114951	SKCF2 114951	1.00	09-27-04	
						PULLED:			
30	JANTXVIN3419 TRANSISTOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-81 C504 C550 C64 C650 PULLED:	0.00		
				RSVD 4.00	115006	SKCF2 115006	4.00	09-27-04	
						PULLED:			
31	5962R9582602VXC IC ORIGINAL QUANTITY...	EA	6.00			SK2 FN-38 U1 U2 U21 U22 U561 U661 PULLED:	0.00		
				RSVD 6.00	120302	SKCF2 120302	6.00	12-16-04	DRY-10
						PULLED:			
32	CDR125X1018KUS CAP 0.01UF 100V 10% ORIGINAL QUANTITY...	EA	22.00			SK2 FN 4 C1 CR CR9 C11 C13 C15 C17 C24 C62 C66 C11 C26 C110 C114 C115 C165 C536 C596 C598 C606 C696 C698 PULLED:	0.00		
				RSVD 22.00	114937	SKCF2 114937	22.00	09-27-04	
						PULLED:			
33	CMR05W0106K02 CAPACITOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-5 C550 C597 C650 C697 PULLED:	0.00		
				RSVD 4.00	114939	SKCF2 114939	4.00	09-27-04	
						PULLED:			
34	M38006/22-1557H CAPACITOR ORIGINAL QUANTITY...	EA	30.00			SK2 FN 5 C1 C2 C3 C4 C15 C14 C18 C20 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 PULLED:	0.00		



PNLSY # : LAT-DS-02188
QUANTITY : 1
LOCATION : 802

BY LINE ITEM

EFFECTIVITY DATE : 02-10-15
RELEASE DATE : 12-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RSV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
			CURR STATUS	STAT QUANTITY				LOT QUANTITY	LOT DATE	BIN
14 CAPACITOR Cont from prior page	EA		RSVD	30.00	114941	SKCF2	114941	30.00	09-27-04	
15 1210B563K251VHTM CAPACITOR	EA	12.00				SK2		0.00		
ORIGINAL QUANTITY...		12.00				FN-13 C501 C508 C510 C511 C514 C540 C501 C508 C510 C511 C514 C540				
			RSVD	12.00	114802	SKCF2	114802	12.00	09-23-04	
16 RKE065 FUSE	EA	2.00				SK2		0.00		
ORIGINAL QUANTITY...		2.00				FN-32 F2 F3				
			RSVD	2.00	114957	SKCF2	114957	40.00	09-27-04	
37 5562158771002VKA IC	EA	2.00				SK2		0.00		
ORIGINAL QUANTITY...		2.00				FN-37 U504 U504				
			RSVD	2.00	114962	SKCF2	114962	45.00	09-27-04	
38 32785-31 INDUCTOR	EA	12.00				SK2		0.00		
ORIGINAL QUANTITY...		12.00				FN-39 L1 L2 L3 L4 L5 L6 L7 L10 L11 L12 L13 L14				
			RSVD	12.00	114964	SKCF2	114964	215.00	09-23-04	
39 32783-31 INDUCTOR	EA	2.00				SK2		0.00		
ORIGINAL QUANTITY...		2.00				FN-40 L501 L601				
			RSVD	2.00	114965	SKCF2	114965	185.00	09-27-04	
40 1PHN1587034 TRANSISTOR	EA	3.00				SK2		0.00		
ORIGINAL QUANTITY...		3.00				FN-41 Q10 Q11 Q12				
			RSVD	3.00	114966	SKCF2	114966	97.00	09-27-04	
41 H1105CPX000 THICK FILM CAP	EA	15.00				SK2		0.00		
ORIGINAL QUANTITY...		15.00				FN-42 C21 C24 C117 C516 C518 C519 C520 C517 C518 C519 C521 C522 C523 C510 C511 C512				
			RSVD	15.00	114817	SKCF2	114817	1518.00	09-23-04	
								1518.00	09-27-04	

ASSEMBLY # : LAT-06-02388
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL				
			REQUIRED QUANTITY	CURR STAT QUANTITY			LOT QUANTITY	LOT DATE	BIN	QUANTITY	
42	M55342K09D1700R RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-44 R590 R680 PULLED:	0.00				
				RSVD 2.00	114828	SKCF2 114828	44.00	09-23-04			
						PULLED:					
						114969	229.00	09-27-04			
						PULLED:					
43	M55342K06B1E21R RESISTOR ORIGINAL QUANTITY...	EA	3.00			SK2 FN-46 R5 R6 R21 PULLED:	0.00				
				RSVD 3.00	114971	SKCF2 114971	145.00	09-27-04			
						PULLED:					
44	M55342K06B1E17R RESISTOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-47 R25 R28 R51 R52 PULLED:	0.00				
				RSVD 4.00	114972	SKCF2 114972	151.00	09-27-04			
						PULLED:					
45	M55342K06D1E20R RESISTOR CHIP 100W 1K OHM ORIGINAL QUANTITY...	EA	6.00	RSVD 6.00	91633	SK2 91633 FN-48 R17 R41 R46 R63 R553 R652 PULLED:	196.00	12-30-03	550		
						SKCF2 114828	1235.00	09-23-04			
						PULLED:					
						114976	178.00	09-27-04			
						PULLED:					
46	M55342K06B1F00R RESISTOR CHIP 100W 1M OHM ORIGINAL QUANTITY...	EA	6.00			SK2 FN-49 R506 R515 R556 R606 R615 R656 PULLED:	0.00				
				RSVD 6.00	114813	SKCF2 114819	630.00	09-23-04			
						PULLED:					
						114977	217.00	09-27-04			
						PULLED:					
47	M55342K09B2E00K RES CHIP 3.00K 1A 12W ORIGINAL QUANTITY...	EA	1.00			SK2 FN-50 R230 PULLED:	0.00				
				RSVD 1.00	115091	SKCF2 115091	137.00	09-28-04			
						PULLED:					
48	M55342K06B2E174R RESISTOR 1/2" ORIGINAL QUANTITY...	EA	3.00			SK2 FN-52 R71 R76 R77 PULLED:	0.00				
				RSVD 3.00	114980	SKCF2 114990	75.00	09-27-04			
						PULLED:					

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

BY LINE ITEM

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

DATE FULLED: _____

FULLED BY: _____

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			LOT NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #		LOT QUANTITY	LOT DATE	BIN
49	M55342K0681E75R RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-53 R519 R609 PULLED:	0.00		S10A
			2.00	RSVD	2.00 91326	SKCF2 91326 PULLED: 114981 PULLED:	67.00	09-24-03	CF20
50	M55342K0685E62R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00 114980	SK2 115010 FN-56 R14 PULLED:	25.00	11-30-04	S7E
			1.00			SKCF2 114984 PULLED:	144.00	09-27-04	
51	M55342K0698E25R RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 84050 FN-57 R5 R10 PULLED:	12.00	09-18-03	S5E
			2.00	RSVD	2.00 114985	SKCF2 114989 PULLED:	88.00	09-27-04	
52	M55342K06810E0R RESISTOR,CHIP,100W,10K 0 ORIGINAL QUANTITY...	EA	21.00			SK2 FN-59 R85 R86 R87 R502 R518 R522 R550 R551 R602 R618 R623 R650 R651 R224 R226 ZR63 ZR68 ZR95 ZR96 ZR97 ZR98 PULLED:	0.00		
			21.00	RSVD	21.00 114987	SKCF2 114987 PULLED: 114930 PULLED: 91324 PULLED:	657.00	09-27-04	
							117.50	09-23-04	CF20
							58.00	09-24-03	
53	CDR048X104AKUS CAP, .1UF,50V ORIGINAL QUANTITY...	EA	32.00			SK2 FN-2 C5 C10 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 PULLED:	0.00		
			32.00	RSVD	32.00 114935	SKCF2 114935 PULLED:	502.00	08-22-04	
54	CDR015X102BKUS CAPACITOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-3 C510 C610 PULLED:	0.00		
			2.00	RSVD	2.00 114936	SKCF2 114936 PULLED:	97.00	09-27-04	
55	CDR015P102BKUS CAPACITOR ORIGINAL QUANTITY...	EA	14.00			SK2 FN-5 C210 C201 C202 C203 C204 C205 C206 C207 C511 C512 C543 C611 C612 C613 C602 PULLED:	0.00		
			14.00	RSVD	14.00 114938	SKCF2 114938 PULLED:	848.00	09-27-04	

MODEL # : LAT-DS-02398
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

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

DATE FILLED: _____

FILLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			LOT	INVENTORY DETAIL					
			REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #		LOT	QUANTITY	LOT DATE	BIN	QUANTITY	
56	CDR138X2238KUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-7 C503 C594 C603 C651	0.00					
			RSVD	4.00	114940	SKCF2 114940	246.00	09-27-04				
57	CDR138X4718KUS CAPACITOR ORIGINAL QUANTITY...	EA	7.00			SK2 FN-9 C6 C7 C12 C16 C63 C74 C77	0.00					
			RSVD	7.00	114799	SKCF2 114799	1253.00	09-23-04				
						114942	333.00	09-27-04				
58	CDR138F4708KUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-13 C102 C512 C561 C561	0.00					
			RSVD	4.00	115090	SKCF2 115090	951.00	09-26-04				
59	CWR05PC476KDB CAPACITOR ORIGINAL QUANTITY...	EA	89.00			SK2 FN-11 C1 C11 C13 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100	0.00					
			RSVD	89.00	114943	SKCF2 114943	1729.00	09-27-04				
60	CDR138P1018KUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00			SK2 FN-12 C121 C507 C607 C612	0.00					
			RSVD	4.00	114944	SKCF2 114944	51.00	09-27-04				
61	JANTXV1N4469US DIODE ORIGINAL QUANTITY...	EA	1.00			SK2 FN-25 D500	0.00					
			SO	1.00		SKCF2	0.00					
62	SKX110 FUSE, POLYSWITCH ORIGINAL QUANTITY...	EA	2.00			SK2 FN-33 F4 F5	0.00					
			RSVD	2.00	114958	SKCF2 114958	18.00	09-27-04				
63	SKR898R200FR RES-5003 ORIGINAL QUANTITY...	EA	1.00			SK2 FN-43 R22	0.00					



WORK ORDER : 112069

(NEW)

WORK ORDER PICK LIST

PAGE: 10

A* WLY # : LAD-DS-02388
K QUANTITY : 1
K LOCATION : W03

BY LINE ITEM

EFFECTIVITY DATE: 03-10-05
RELEASE DATE : 13-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____

PULLED BY: _____

LINE	DESCRIPTION	EA	REQUIREMENTS		RESV IN	LOT #	INVLOC	NUMBER	INVENTORY DETAIL		
			UM	QUANTITY					STAT	QUANTITY	LOT
	RESISTOR Cont from prior page.		EA	RSVD	1.00	114968	SKCF2	114968	93.00	9-27-04	
64	M55342K06B1D21R RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-45	R20 R53 R58 R61	0.00		
				RSVD	4.00	114970	SKCF2	114970	222.00	9-27-04	
65	M55342K06B2B21R RESISTOR ORIGINAL QUANTITY...	EA	6.00				SK2 FN-51	R37 R40 R64 R65 R66 R67	0.00		
				RSVD	6.00	114979	SKCF2	114979	43.00	09-27-04	
66	M55342K09B10FCR RESISTOR ORIGINAL QUANTITY...	EA	4.00				SK2 FN-60	R543 R544 R643 R644	0.00		
				RSVD	4.00	114820	SKCF2	114820	84.00	09-23-04	
								114988	212.00	09-27-04	
67	M55342K06B13E0R RESISTOR ORIGINAL QUANTITY...	EA	3.00				SK2 FN-61	R18 R35 R46	0.00		
				RSVD	3.00	114989	SKCF2	114989	122.00	09-27-04	
68	M55342K06B15E0R RESISTOR, CHIP, 100W, 15K Ω ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	430	SK2 FN-62	4305	140.00	09-26-98	858
							SKCF2	114980	80.00	09-27-04	
69	M55342K06B18E2R RESISTOR ORIGINAL QUANTITY...	EA	2.00				SK2 FN-63	R231 R567	0.00		
				RSVD	2.00	114991	SKCF2	114991	12.00	09-27-04	
70	M55342K06B20E0R RESISTOR, 20Kohms ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	17105	SK2 FN-64	R505 R507 R510 R515 R605 R607 R610	300.00	09-23-99	59F
							R625				
							SKCF2	40973	1000.00	09-26-09	
							RN-64	R505 R507 R510 R515 R605 R607 R610			
							R625				

114992

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

BY LINE ITEM

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

DATE PULLED:

PULLED BY:

LINE	DESCRIPTION	EA	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL				
			REQUIRED QUANTITY	CURR STATUS			LOT	LOT DATE	SINLOC	BIN	QUANTITY
	RESISTOR, 20Kohms Cont from prior page.					SKCF2 114993	208.00	09-27-04			
71	M55142K09B22D1R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 FN-65 R511 PULLED:	0.00				
				RSVD	1.00	114993	SKCF2 114993	131.00	09-27-04		
72	M55142K06B22E1R RESISTOR ORIGINAL QUANTITY...	EA	5.00			SK2 50590 FN-66 R14 R45 R512 R566 R612 PULLED:	33.00	12-25-00	890		
				RSVD	1.00	114994	SKCF2 50591	11.00	12-25-00	890	
				RSVD	1.00	114994	SKCF2 114994	272.00	09-27-04		
73	M55142K06B33E2R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 R666 FN-67 R666 PULLED:	1.00				
				RSVD	1.00	114995	SKCF2 114995	134.00	09-27-04		
	M55142K06B49F9R RESISTOR, 49.9Kohms ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	53542	SK2 83542 FN-68 R42 R43 R598 R599 R698 R699 PULLED:	123.00	03-31-02	912	
						114996	SKCF2 114996	259.00	09-27-04		
75	M55142K06B61E9R RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84206	SK2 84206 FN-69 R697 PULLED:	17.00	04-18-01	874	
						114997	SKCF2 114997	140.00	09-27-04		
76	M55142K06B100DR RESISTOR, CHIP, 100W, 100 OHM ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	104427	SK2 104427 FN-70 R501 R530 R601 R630 PULLED:	240.00	04-27-04	874	
						114822	SKCF2 114822	3428.00	09-27-04		
						114998	SKCF2 114998	6.00	09-27-04		
77	M55141K06B100ER RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	13.00				SK2 FN-71 R6 R7 R200 R201 R202 R103 R204 R206 R207 R213 R597 R613 R697 PULLED:			890	



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

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	EA	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STATUS			STAT QUANTITY	LOT QUANTITY	LOT DATE	RIN BINLOC
	RESISTOR,CHIP, 100W,100K Cont from prior page.	EA	RSVD	13.00	114823	SKCF2 114823	1316.00	09-23-04	S90	
						PULLED:				
						114999	160.00	09-27-04		13
						PULLED:				
						96596	40.00	01-08-04		
						PULLED:				
76	M55142K068901DR RESISTOR ORIGINAL QUANTITY...	EA	RSVD	1.00	50769	SK2 50769 FN-72 R52	29.00	12-20-00	S93	
						PULLED:				
						SKCF2 115015	84.00	09-24-03	CF2C	
						PULLED:				
						115000	47.00	09-27-04		
						PULLED:				
75	D55142K078402ER RES 402K, 1/4W, 1% ORIGINAL QUANTITY...	EA	RSVD	1.00	84272	SK2 84272 FN-73 R532	20.00	06-15-03	S20	
						PULLED:				
						2714	10.00	09-26-98		
						FN-73 R532				
						PULLED:				
						SKCF2 115001	93.00	09-27-04		
						PULLED:				
	D55142K078511ER RESISTOR ORIGINAL QUANTITY...	EA	RSVD	10.00	115002	SK2 0.00 FN-74 R531 R553 R554 R555 R631 R632 R633 R653 R654 R655 PULLED:	10.00	09-27-04		10
						SKCF2 115002				
						PULLED:				
81	M55142K068549DR RESISTOR ORIGINAL QUANTITY...	EA	RSVD	2.00	115003	SK2 FN-75 R122 R142 PULLED:	0.00			
						SKCF2 115003	48.00	09-27-04		
						PULLED:				
82	8311918-005786 THERMISTOR, 30X ORIGINAL QUANTITY...	EA	RSVD	2.00	115004	SK2 FN-75 R1 R2 PULLED:	0.00			
						SKCF2 115004	40.00	09-27-04		
						PULLED:				
83	7ANTWY0N12222AUB TRANSISTOR NPN ORIGINAL QUANTITY...	EA	RSVD	21.00	120303	SK2 0.00 FN-80 C1 C2 C4 C6 C30 C31 C32 C33 C34 C35 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C603 C604 C605 C606 C607 C608 PULLED:	21.00	12-16-04		21
						SKCF2 120303				
						PULLED:				

WORK ORDER : 112049

(NEW)

WORK ORDER PICK LIST

PAGE: 13

WFLY # : LAD-DS-02388
QUANTITY : 1
LOCATION : MO2

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			LOT INVLOC NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #		LOT QUANTITY	LOT DATE	BIN
84	CANTAVEN2907AUB TRANSISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-82 Q559 Q699 PULLED:	0.00		
				RSVD	2.00 115007	SKCF2 115007 PULLED:	82.00	09-27-04	
85	M55342K0984E99X RESISTOR ORIGINAL QUANTITY...	EA	2.00			SK2 FN-54 R519 R519 PULLED:	0.00		
				RSVD	2.00 114982	SKCF2 114982 PULLED:	119.00	09-27-04	
86	M55342K0685E11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 60472	SK2 62670 FN-54 R528 R528 PULLED:	44.00	09-07-01 59F	
						SK2 62259 FN-55 R528 R528 PULLED:	9.00	03-19-03	
						SKCF2 114929 PULLED:	20.00	09-23-04	
						114982 PULLED:	232.00	09-27-04	
87	M55342K09810D0R RESISTOR ORIGINAL QUANTITY...	EA	1.00			SK2 FN-56 R611 PULLED:	0.00		
				RSVD	1.00 114986	SKCF2 114986 PULLED:	237.00	09-27-04	

WESTEK

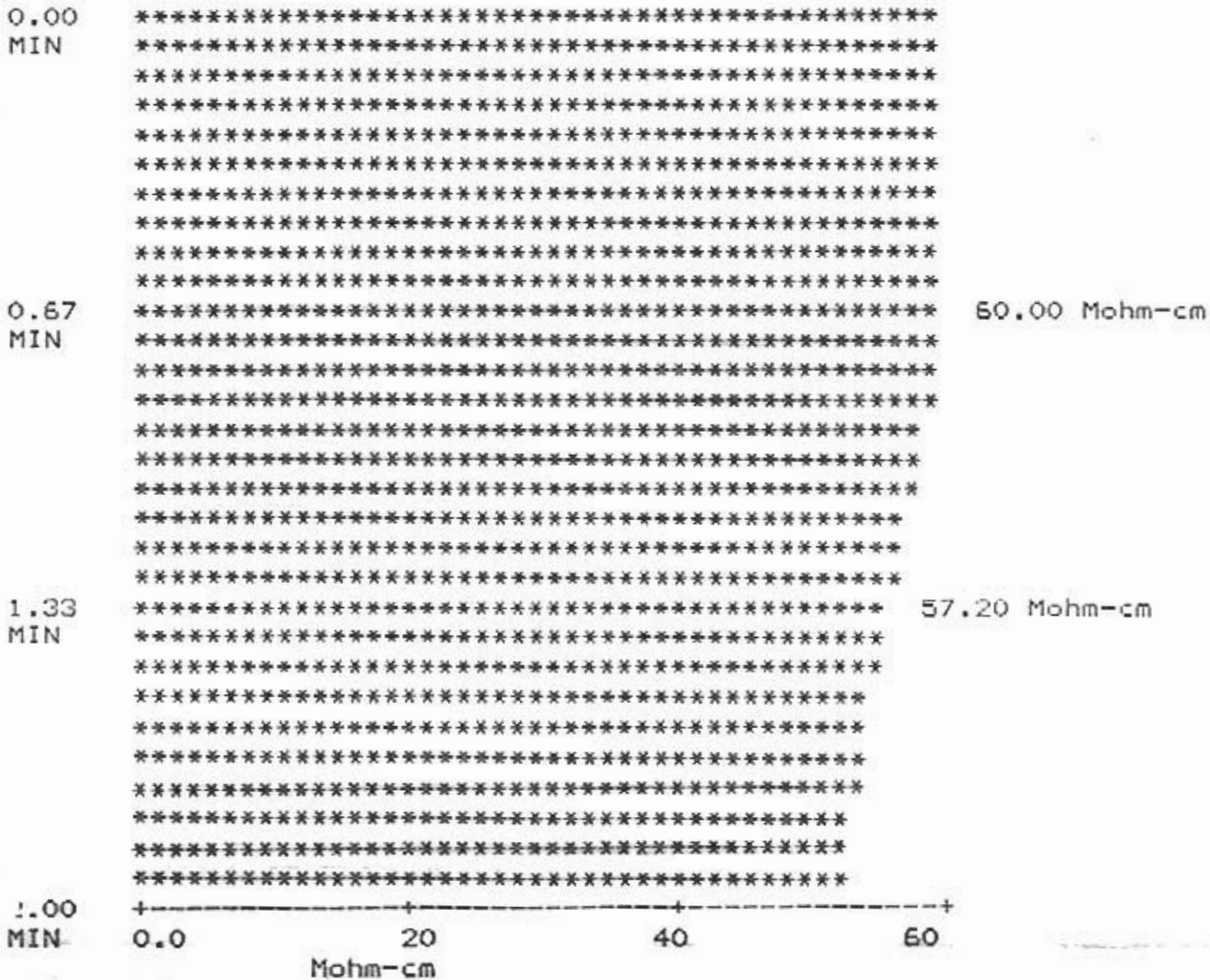
Operator :STEPHANIE
05/30/05
13:28:01

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

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

Initial Resistivity : 60.00 Mohm-cm
NaCl Equivalence (Final) : 0.69 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 53.70 Mohm-cm
NaCl Removed : 0.10 ug/sq in



General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA PIN: LAT-D5-02388 GLAT 1786 GT 116

W.O. #: 112069

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

Date: 6/3/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

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

AIR CURE: 6/2/05 7:00PM TO 6/3/05 6:30 AM

OVEN CURE: 6/3/05 6:30 AM TO 6/3/05 7:30 AM

REWORK TRAVELER

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






STEP	OPERATION	Operator Sign Off.	Date	Time spent
	RE-NCMR 2323. <i>gmr</i>			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792 __ Serial Number <u>GT116 GLAT1786</u>		04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	P.O. 1946	5/4/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	P.O. 1946	5/4/05	
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</i> <i>FOR MIX INSTRUCTIONS</i>	P.O. 1946	5/4/05	
5	Hysol 0151 data: DATE MIXED <u>5/4/05</u> Expiration Date <u>1/31/07</u> PO# <u>31403</u>	P.O. 1946	5/4/05	
6	Inspection		5/5/05	
7	Source Inspection		5/4/05	

REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
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ASSEMBLY NAME: TPS CCA	QTY: 1
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(Original signed edition RESERVED FOR COPYING) <i>[Signature]</i>							
APPROVAL G. POZZI	<i>[Signature]</i>	G. HEFKIN	<i>[Signature]</i>	K. BERGTHOLDT	<i>[Signature]</i>	P. LUJAN	<i>[Signature]</i>
PREPARED BY	DATE	ENG MGR SUP.	DATE	QA MGR Eth.	DATE	SLAC SOURCE	DATE
<i>[Signature]</i>	4-18-05	<i>[Signature]</i>	4-18-05	<i>[Signature]</i>	4/18/05		4-19-05

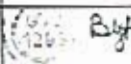



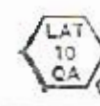





STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>116</u> GLAT- <u>1786</u>	 <i>[Signature]</i>	04/23/05	
2	OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. NO SOLDER BALLS ALLOWED.	<i>[Signature]</i> 	05/03/05	
3	AQUEOUS CLEAN USING RECIPE #3	 <i>[Signature]</i>	05/03/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		5/5/05	
5	SOURCE INSPECTION		5/11/05	

REWORK TRAVELER

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

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>116</u> , GLAT- <u>1786</u>		4/22/05	
2	<p>OPERATOR:</p> <p>REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS</p> <p>PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG.</p> <p>KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.</p>	 2/12/05  4/12/05  2/12/05	04/28/05 04-28-05 04-28-05	
3	<p>OPERATOR:</p> <p>VERIFY PADS HAVE NO DAMAGE.</p>	 5/2/05  Byp	05/02/05	
3	<p>OPERATOR:</p> <p>SOLDER Q10, Q11, AND Q12 ONTO BOARD</p> <p>USE THE METCAL SOLDERING IRON WITH A .5" BLADE TIP.</p>	 Byp	05/03/05	
4	<p>OPERATOR:</p> <p>HAND CLEAN BOARDS USING ALCOHOL.</p>		05/04/05	
5	<p>INSPECTION:</p> <p>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS</p>		5/5/05	
6	SOURCE INSPECTION		5/11/05	






REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-02388	REV: 57
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SEMBLY NAME: TPS CCA	QTY: 1
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APPROVAL					
G. POZZI	4-28-05	G. HEFKIN	K. BERGTHOLDT	P. LUJAN	4-28-05
PREPARED BY	DATE	ENG MGR	DATE	SLAC SOURCE	DATE
			4/28/05		

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>116</u> GLAT- <u>1786</u>	 Byp	4/28/05	
2	OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40	P.O. 1946	5/4/05	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		5/5/05	
	SOURCE INSPECTION	 LAT TO QA	5/11/05	

DEFECT RECORD REPORT

ID: 29629
 PART NUMBER: LAT-DS-02389 OFE SOLDER: 1421
 WORK ORDER: 112069 OFE ASSEMBLY: 786
 SALES ORDER: F17300 DATE: 2/23/2005
 INSPECTION TYPE: POST REFLOW
 INSPECTION LEVEL: 1
 INSPECTOR: SANDOVAL WEEK CODE: 10
 QUANTITY: 1 RWQTY: 1
 CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
G1116	1	1859	S-402		INSUFFICIENT SOLDER	L10	
GT116	1	1859	S-414		SOLDER BALLS	ALL	IMBEDED IN FLUX

03/12/05 Rework done by *[Signature]* 03/12/05
[Signature] 3/12/05

GTC TEST DEFECT RECORD REPORT

TEST ID: 24112

PART NUMBER: LAT-DS-02388

TEST TYPE: SPEA

WO: 112069 WC: 4-MIXED

TEST LEVEL: 1ST

TEST TECH: STEFFEN BODE

DATE: 4/15/2005

SO: F17300

TEST QTY: 1

CUSTOMER: SLAC

FAIL QTY: 1

PROGRAM NAME: LAT-DS-02388

SERIAL #	QTY	DEFECT CODE	DEFECT DESCRIPTION	REF DES
GT116	1	T100	TEST FAILURE ISOLATION PROCESS RW INFO: Please tombstone the component and return the assembly to the SPEA area.	R58
GT116	1	T100	TEST FAILURE ISOLATION PROCESS RW INFO: Please tombstone the component and return the assembly to the SPEA area.	R20
GT116	1	T100	TEST FAILURE ISOLATION PROCESS RW INFO: Please tombstone the component and return the assembly to the SPEA area.	R7

REWORK NOTES (OPTIONAL):

RETEST NOTES (OPTIONAL):

RETESTED BY: *[Signature]* RETEST DATE: P F
04/18/05

*The values of the resistors have been verified, please reinstall the components.
Reinstalled R58, R20, R7, 04-18-05*

PK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

SSY/PNS LAT-DS-02831-01
SSY, CABLE, IPS O/P PWR

WOR 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOS
POS 0000048800

CUST #
QTY 19
PROJECT # P17300
CUST# 18358

SERIAL NUMBER LISTING:.....

N/A

APPROVAL
PROD: RA 2/8/05
QA: AM, 2-7-05

WORKMANSHIP:.....

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

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV & DATE
A ¹	15	N/A	3		mm 3/1/05
B	4	N/A	3	To make	mm 3/1/05
A ²	2	N/A	6	To move	mm 3/1/05
A ^{1B}	2	N/A	7	To move	mm 3/2/05
A ^{1A2}	6	N/A	7	To move	mm 3/1/05

(wondr rev 05.19.04 glh)

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



00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
ASSY & PL: LAT-DS-02831 52 NONE
(REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION ROT)
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC

***** BUILD DOCUMENTS *****
USE... TRAVELER AND DRAWING
*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.03.05

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

2-7-05

AM



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

IS # IAT-DS-02841-01
ISL ADLE, TPS O/P FWX

WO# 112044
REQ DATE 02-08-05
DEL DATE 02-02-05
SOM
PO# 0000048800

CUST #
QTY 19
PROJECT# P17300
CUST# 19156

PAGE 2

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



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

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

DATE	QTY.	REMARKS.....	STATUS
2/19/05	19		

[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

A N# LAT-DS-02831-01
Ab CABLE, TFS O/P FWR

W# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SC#
PO# 0000048000

CUST P#
QTY 19
PROJECT# F17100
CUST# 16356

PAGE 3

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



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

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

* CRIMP TEST SETUP - GTC-2081.

CUT 5 PIECES OF WIRE @ 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 ~~STRIPPERS~~ ENERGETIC WIRE STRIPPER SET UP WITH
24 AWG STRIP BLADES, A STRIP LENGTH OF ~~1/4"~~ 7/16 (.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-CIM
Pass Crimp Tensile Strength Paper attached
Rmt.

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG. ~~1/4"~~ 7/16 (.125)
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT 78 WIRES TO 8-1/2" (8.50") LONG.
- 4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520 2-06 TURRET/LOCATOR.
K-41

27 Bags 2-15-05
3.26.05 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 wires	

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

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

AS #8 LAT-DS-07831-01
ASSL. CABLE, TFS O/P PWR

WO# 112044
REQ DATE 02-08-05
REL DATE 02-02-05
SOS
PO# 0000046800

CUST #
QTY 19
PROJECT# P17300
CUST# 15354

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: 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	Strip & crimps	

H.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
+ 1440
Checked crimps & tin 3/24/05
Checked wires for tinning 35 em 574

Rm 1970
H.G.#1441
H.G.#1441
3/25/05 (6) H.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

ISS. # IAT-DS-02931-C1
ASSY. CABLE, TFS O/P PWR

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

CUST #
QTY 19
PROJECT# F17300
CUST# 15356

PAGE 5

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, 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 PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:
PO# 31695 EXP. DATE 07/10/05
- CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (50 C).
- RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

DATE	QTY	REMARKS	STATUS
3/24/05	2		PM1262
3/28/05	6	same lot of RTV used as above	H.G. #1941
1/22/05	6		PM1262



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

- INSPECT POTTING/CURING OF LEAD ASSEMBLY.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.
- DRR#(S) _____
- ROUTE FOR WO CLOSURE AND NEXT ASSY - IAT-DS-02388.

DATE	QTY	REMARKS	STATUS
4/23/05	5		



WORK ORDER : 112044

(NEW)

WORK ORDER PICK LIST

PAGE: 1

A LY # : LAT-DS-02831-01
W NTITY : 19
WT. LOCATION: W02

BY LINE ITEM

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

DATE PULLED:

PULLED BY:

REQUIREMENTS				INVENTORY DETAIL							
LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #	LOT NUMBER	LOT QUANTITY	LOT DATE	BIN	LOC	QUANTITY
1	206507-1 CONN (311P407-SS-B-15) ORIGINAL QUANTITY...	EA	19.00	RSVD	19.00	SKCF2 FN-1	0.00				
<p>The following parts have been defined as alternates for 206507-1: Line 1.1 311P407-SS B.15 1 PER Partial quantity replacements are allowed.</p> <p><i>Handwritten:</i> BLAT-DS-02831 101# 114947</p>											
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	16340.00	RSVD	16340.00	115299 SKCF2 FN-3	34056.00	10-01-04	LOT1152		
<p><i>Handwritten:</i> He340a</p>											
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	510.00	RSVD	510.00	SKCF2 FN-2	0.00				
<p>The following parts have been defined as alternates for 206071-1: Line 3.1 G08S1 1 PER Partial quantity replacements are allowed.</p>											
3.1	G08S1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	972.00	RSVD	972.00	115021 SKCF2 FN-2	972.00	09-27-04			
<p>This line is an alternate part for line 3. G08S1 is used in a 1 to 1 ratio to 206071-1. Partial quantity replacements are allowed.</p> <p><i>Handwritten:</i> 972</p>											
4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	19.00	RSVD	19.00	SKCF2 REQUIREMENT SHOWS ON LAT-DS-02831-01 APPLY HERE. PULLED:	0.00				

0710

CRIMP TENSILE STRENGTH LAT-05-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Rhoda Marmoul 1970	TEST DATE
CONTACT PN:	206071-1	2-16-05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A830)	Rhoda Marmoul
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A834)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	ALPHA 1200 MP 2004 (6-17-04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.8	13.6
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

1000

CRIMP TENSILE STRENGTH

LAF-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-)	RHOTIA MARMON
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		112044
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

7:15 a.m.

CRIMP TENSILE STRENGTH CAT-85-02831-01					
MIL-STD-1344; METHOD 2003.1					
TEST TYPE (circle one):		PRE-PROD		POST-PROD	
CRIMP OPERATOR NAME/EMP #:		Hobie Gray 1 st 1941		TEST DATE	
CONTACT PN:		2060H-1		3.17.05	
WIRE PN:		M72759 / 11-24-9		TESTED BY	
CRIMP TOOL PN (GTC Tool #):		M72520 12-01 (GTC A-1012)		Hobie Gray	
DIE/LOCATOR PN (GTC Tool #):		M72520 12-06 (GTC A-690)		WORK ORDER NO.	
SELECTOR VALUE:		3		112044	
TEST EQUIP # (Last CAL date):		Alphatron MP7-200A (6.17.04)			
PULL RATE:		1" +/- .25" per min.		OTHER PULL RATE:	
OBSERVATIONS/VALUES					
SAMPLE NUMBER:	No. 1	No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10	10		10	
MEASURED TENSILE STRENGTH:	12.4	12.9		13.4	
PASS/FAIL (circle test result)	PASS	FAIL	PASS	FAIL	PASS
Type of Separation Observed					
SLIP (pull out) {a}					
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	✓	✓			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}					
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}				✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}					
OTHER (define) {f}					
SPECIAL INSTRUCTIONS (as reqd):					

1:10 P.M.

CRIMP TENSILE STRENGTH CAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE-PROD	POST-PROD						
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TEST DATE</td><td>3.16.05</td></tr> <tr><td>TESTED BY</td><td>Herbie Gray</td></tr> <tr><td>WORK ORDER NO.</td><td>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:	M72759 / 11-24-9							
CRIMP TOOL PN (GTC Tool #):	M72520 / 201 (GTC#4012)							
DIE/LOCATOR PN (GTC Tool #):	M72520 / 2-06 (GTC#692)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	Alptra 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 reqd):

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 #:	M 1#1262		TEST DATE	
CONTACT PN:	20671-1		3.16.05	
WIRE PN:	M22759 / 11-24-9		TESTED BY	
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1-1011)		Herbie Gray	
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-06 (GTC A833)		WORK ORDER NO.	
SELECTOR VALUE:	3		117044	
TEST EQUIP # (Last CAL date):	Hudson MPT-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:	13.5		13.4		13.4	
PASS/FAIL (circle test result)	PASS		PASS		PASS	
	FAIL		FAIL		FAIL	
	Type of Separation Observed					
SLIP (pull out) (a)						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)					✓	
CONTACT BROKEN IN CRIMP AREA (some or all) (c)						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓		✓			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)						
OTHER (define) (f)						

SPECIAL INSTRUCTIONS (as reqd):

10:36 a.m.

for build of (e)

CRIMP TENSILE STRENGTH *LA-15-02831-01*

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST PROD
CRIMP OPERATOR NAME/EMP #:	<i>Herbie Gray 1#1941</i>	TEST DATE
CONTACT PN:	<i>70671-1</i>	<i>3-18-05</i>
WIRE PN:	<i>M22759 / 11-24-9</i>	TESTED BY
CRIMP TOOL PN (GTC Tool #):	<i>M22520 / 2-01 (GTC 1102)</i>	<i>Herbie Gray</i>
DIE/LOCATOR PN (GTC Tool #):	<i>M22520 / 2-06 (GTC 696)</i>	WORK ORDER NO.
SELECTOR VALUE:	<i>3</i>	<i>112044</i>
TEST EQUIP # (Last CAL date):	<i>Aloberton MPF200A (6/17/04)</i>	
PULL RATE:	<i>1" +/- .25" per min.</i>	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	<i>10</i>	<i>10</i>	<i>10</i>
MEASURED TENSILE STRENGTH:	<i>13.6</i>	<i>13.6</i>	<i>13.4</i>
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}	<i>✓</i>		
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}		<i>✓</i>	<i>✓</i>
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

11:00 a.m.

Build of 12

CRIMP TENSILE STRENGTH CAT-DS-02381-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE - PROD	<input type="radio"/> POST - PROD
CRIMP OPERATOR NAME/EMP #:	Harvie Gray #144	TEST DATE
CONTACT PN:	206071-1	3.22.05
WIRE PN:	M22759/11-249	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC #142)	Harvie Gray
DIE/LOCATOR PN (GTC Tool #):	M22570/206 (GTC #953)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Alphatron MET 2004 (6/1/04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Harris Gray #1941	
CONTACT PN:	206071-1	
WIRE PN:	M22759 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22520 12-01 (GTC #1012)	
DIE/LOCATOR PN (GTC Tool #):	M22520 12-06 (GTC #853)	
SELECTOR VALUE:	13	
TEST EQUIP # (Last CAL date):	Alpator 2001 (last cal)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

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

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH 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 1770	TEST DATE
CONTACT PN:	206071-1	4-20-05
WIRE PN:	M22759/11-249	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC 4833)	Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22520-2-06 (GTC 4833)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	7-6-05	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH Assy-LA1-03-0831-01

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.6	13.4	13.4
PASS/FAIL (circle test result)	<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):

DRK CELL: 4-MIXED

CUSTOMER: SLAC

YFP PRODUCTION

WORK ORDER TRAVELER NEW

PAGE 1

SS # LAT DS-02830-01
SSY. CARTR. TRS 1/P 149

WOB# 112043
REQ DATE 02-02-05
REL DATE 02-01-05
SUS
PO# 0000048800

CUST # 17
CITY 17
PROJECTS P17J00
CUST# 15356

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

APPROVAL
PROD: PH 2/3/05
QA: PH 2-PRO5

*WORKMANSHIP:-----
ANSI-J-STD-01C CLASS 3; OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO.	LOT QTY	SERIAL NUMBERS	SDO NO.	REASON	APPRV & DATE
A ¹	13	N/A	6		PH 3/10/05
B	4	N/A	6	TO MOVE	PH 3/10/05
A ²	2	N/A	6	TO MOVE	PH 3/10/05

*twobdr rev 05.19.04 ghl

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



20 00 CONFIG RECORD/WITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
 ASSY & PL: DOCUMENT NUMBER REV FD/PL OUTSTANDING BO'S
 (REFERENCE ASSY/PL LAT-DS-02830 53 NONE
 (REFERENCE ASSY/PL LAT-DS-02389 FOR RTV APPLICATION RQT)
 TEST SPEC: N/A
 ASSY AID: N/A
 CUSTOMER NAME: SLAC
 ***** BUILD DOCUMENTS *****
 USE... TRAVELER AND DRAWING
 *(REV'D)/PREP'D BY: GH (DATE) DATE: 02-03-05

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

2-Pro5 _____ PH



WORK Ctr. 1-MIXED

CUSTOMER: SLAC

TY: SECTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASSY/PKR: 107-DS-02830-01
ASSY. CABLE: TPS 1/P PWR

WCS 111043
REQ DATE 02-09-05
REL DATE 02-03-05
SOP
POS 0000048800

CUST PR
QTY 19
PROJECT# F17300
CUST# 15356

LT#	INCH#	OP#	DESCRIPTION	HOURS		
				SET-UP	RUN	LINE-MACH

2



00	STOCKROOM/KITTING AREA KIT PARTS/MATERIALS	6.0000	0.0000	0.0000	
----	---	--------	--------	--------	--

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

2105 QTY 19

REMARKS.....

STATUS

WORK CELL: 4-MIXED

CUSTOMER: SIAM

PRODUCTION

WORK ORDER TRAVELLER - NEW

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

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

CHST PN QTY 10
PROJECT# F1730H
CUST# 15356

PAGE 1

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



3 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0300
CUT WIRE, STRIP WIRE,
CRIMP PIN CONTACTS,
TIN LEADS.

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

CUT 6 PIECES OF WIRE @ 6" TO 9" LONG, FOR 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 1/8" (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: Pm1970 DATE: 2/17/05 STATUS Pass

* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG, 1/8" (1.125").
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT 10 PAIRS TO 9-1/2" (9.50") LONG.
- 4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".
- 5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

* POST-ASSY CRIMP TEST...

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

CRIMP TEST: BY: Pm1970 DATE: 2/19/05 STATUS Pass

DATE...	QTY..	REMARKS.....	STATUS
2/18/05	4	4 sets of 10 - 10	Pm1970
3/8/05	1	1 set of 10 - 10 (Rework)	CVD1920
3/19/05		2 set of 10	MV, DM, mm. - 100
3-16 4-1-4		set of 10	MV. 1747
3/16/05		4 sets of 10 strip only	

ELIBANPS SMC 17067 #4900

1/16 (1.125)

1/16 (1.125)

116-3.8.05 #1941
L.H. 3/8/05
205 (Q.A.)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TY PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/PNS IAT-DS-02830-01
ASSY, CABLE, TFS I/P PWR

WOB 112043
REQ DATE 02-09-05
REL DATE 02-03-05
SOR
PO# 0000046800

CUST #
QTY 19
PROJECT# 717100
CUST# 15356

PAGE 4

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



4 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP#: SLDR-20 ASSY-R0

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

DR#(S) 29547

DATE	QTY	REMARKS
<u>2/22/05</u>	<u>40/30</u>	
<u>3/2/05</u>	<u>10</u>	<u>Restripped ok</u>

STATUS
SA
SLV



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

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

WIRE PAIR	CLR	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
<u>3.8.05</u>	<u>1</u>	<u>complete</u>
<u>3.19.05</u>	<u>2</u>	<u>complete</u>

STATUS
1.6.1941
1.6.1941

WORK CELL: 4-MIXED

CUSTOMER: SIAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# P17300
CUST# 15356

PAGE 5

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



6 220 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFF: SLDR-0 ASSY-24

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

DR#(S)

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

3/8/05 1

STAT# KH.285

3/9/05 3

3/14/05 2



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

- APPLY RTV, DCS-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (1.5").
- TRANSFER RTV TO AN EPD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- RECORD RTV MATERIAL FOR AND EXPIRATION DATE BELOW:

FOR 31695 EXP. DATE 7-10-2005

• WIRE 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.....

3-16-05 2

STAT# ME/Am 1262

CLEAR Defect Report #295
for 8 wires

YAC 2-25-05

3-14-05 2.2 17 post Clips
will be used length



WORK CELL: 4-MIXED

CUSTOMER: SIAC

TY: PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSEMBLY: LAT-DS-02830-01
ASSY: CABLE, TPS I/T PWR

WOF: 112043
REQ DATE: 02-09-05
REL DATE: 02-03-05
SOF: 6000048800

PRINT: 08
QTY: 10
PROJECT: P17300
CURT: 15356

PAGE: 6

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



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

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

DR#(S) _____

- * ROUTE FOR WO CLOSURE AND NEXT ASSY - LAT-DS-02368.

DATE...	QTY..	REMARKS.....	STATUS
3/17/05	2		STC 18 04
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

WORK ORDER : 112043

(NEW)

WORK ORDER PICK LIST

PAGE: 1

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

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN	LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
										LOT QUANTITY	LOT DATE	BIN
1	206500 CONN (111P407-2P-B-15) ORIGINAL QUANTITY...	EA	1.00	BO		19.00			SKCF2 FN-1	0.00		
The following parts have been defined as alternates for 206500-1: LIS 1.1 311P407-2P-B-15 1 PER Partial quantity replacements are allowed.												

S/B LAT-D(02830)

107# 114944

PULLED: *[Handwritten signature]* 19

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	
The following parts have been defined as alternates for 204370-8: LIS 3.1 GOSP1 1 PER Partial quantity replacements are allowed.												
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	20.00	RSVD		380.00	114796		SKCF2 FN-3	401.00	09-23-04	IN ASSY
									FN-3	92.00	09-27-04	F17200

PULLED: *[Handwritten signature]* 500 in

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

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

PULLED: *[Handwritten signature]*

Assy

CRIMP TENSILE STRENGTH LAT-DS-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1171	TEST DATE
CONTACT PN:	204370-8	3-16-05
WIRE PN:	M22759/11-29-2/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22530 A-01 (GTC-A 1014)	1170 43
DIE/LOCATOR PN (GTC Tool #):	M22530 C 12-01 (GTC-A 831)	WORK ORDER NO.
SELECTOR VALUE:	3	Martha Villa
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	12.4	12.5	12.4
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
	Type of Separation Observed		
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)	✓	✓	✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

Assy #

CRIMP TENSILE STRENGTH LAT-DS-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1142		TEST DATE
CONTACT PN:	204370-8		3-14-05
WIRE PN:	M32754/11-24-2/9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	1122530A 01 (GTC-4101)		Martha Villa
DIE/LOCATOR PN (GTC Tool #):	1122530C 13-01 (GTC-488)		WORK ORDER NO.
SELECTOR VALUE:	3		112043
TEST EQUIP # (Last CAL date):	()		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	11.4	12.1	11.5
PASS/FAIL (circle test result)	PASS FAIL	PASS FAIL	PASS FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	✓	✓	✓
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

DEFECT RECORD REPORT

ID 29547

PART NUMBER: LAT-05-02830-01

WORK ORDER: 112043

SALES ORDER: F17300

QUANTITY: 60 RW QTY: 8

CUSTOMER: SLAC

INSPECTION TYPE: CRIMPING

INSPECTION LEVEL: 1

INSPECTOR: VANDEVER

OFFE SOLDER: 20


OFFE 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

Rem, 470

3/8/05 

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

VN# LAT-DS-01481
GLAST, DAQ, TEM

WOB 113101
REQ DATE 04-29-05
REV DATE 04-04-05
JOB # F17200
JOB 0000048799

CUST #
QTY 1
PROJECT# F17200
CUST# 15556

*SERIAL NUMBER *****
GT120 GLAT1809

*****APPROVAL:***
PROD RLH / 4/27/05
CA MM 4-27-05

*WORKMANSHIP *****
IPC/EIA-7-STD-001 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.
*IN 05 28 04*****

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV PD/PL OUTSTANDING BO'S
ASSY DWG: LAT-DS-01481 54 NONE
BOM PL: (SAME - ON DWG)
CUST BOM: LAT-DS-02619 03 NONE
ESS TEST: (N/A THIS LEVEL)
ASSY AID: LAT-DS-01481 (RELEASED PER EC 2426)
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 _____ [Signature]



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

* PROCESS MATERIAL PER CAA STEP 3 *

DATE QTY REMARKS STATUS
4/27/05 51 _____ [Signature]



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

PN# 127-06-01481
MFG. GLASS, DAO, TEM

WCR 123121
REQ. DATE 04-20-05
REL. DATE 04-04-05
PC# 0112111
PC# 000048799

CUST #
PROJ# P12200
CUST# 15356

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



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

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

QTY PC# 32131 EXP. DATE 10-1-05
 LOT #'S: (PT A) 159 32775 (PT B) 32775
 MIX RECORD (PART A WGT) 15g (PART B WGT) 1g

DATE	QTY	REMARKS	STATUS
5-18-05	1		AP



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

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER: GT 120

DATE	QTY	REMARKS	STATUS
5-18-05	1	INSTALL	AP



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

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

TORQUE TOOL = GTC-E-951 1/2
 GTC-E-944 CAL DUE DATE 8.02

DATE	QTY	REMARKS	STATUS
5-18-05	1	Torque 95 IN-cm	NO
5-18-05	1	WITNESS TORQUE	NO

NO
10
06

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

P/N: LAT-DS-01461
MFG: GLAST, DAO, TEM

WOM 113121
MRO DATE 04-29-05
MRO DATE 04-04-05
JOB # P17200
JOB # 0000048799

CUST P#
CITY 1
PROJECT# P17200
CUST# 10150

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



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

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

ADMSY 0151: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:00 STOP- 1:00

DATE	QTY	REMARKS	STATUS
<u>5-18-05</u>	<u>1</u>		<u>HP</u>



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

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

INK 50-100R: GTC PO# 3120 EXPIRATION DATE 4-27-07

LOT # (PT A): 200409030033

LOT # (PT B): 300407020071

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

MARKING DATE/TIME: 5-18-05 - 1:00

CURE OCCURS AT STAKING STEP 13.

DATE	QTY	REMARKS	STATUS
<u>5-18-05</u>	<u>1</u>	<u>marking</u>	<u>HP</u>



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP: SLOW-D ASSY-127

- PROCESS ASSY PER CAA STEP 8.

RECORD DEFECT REPORT NO. IF APPLICABLE: 31757

DATE	QTY	REMARKS	STATUS
<u>5/18/05</u>	<u>1</u>		<u>HP</u>

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAI-DS-01481
ASSY: ULAST, DAQ, TEM

WOB# 112101
RFD# 04-29-05
RSL DATE 04-04-05
QO# F17200
PC# 0000048799

COST P#
QTY 1
PROJECT# F17200
CUST# 15155

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



9 290 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
5.23.05	1		



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

- PROCESS ASSY PER CAA STEP 10.

DATE	QTY	REMARKS	STATUS
5-23-05	1	Install lid	AP



010 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.--
 - RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.
- TORQUE TOOL # GTC-A-977 - GTC-E-957 1/2
GTC-E-944 CAL DUE DATE 8.05

DATE	QTY	REMARKS	STATUS
5-23-05	1	Torque	AP
5.23.05		WITNESS TORQUE	



02 290 00 QUALITY ASSURANCE AREA CEE: SLDR-0 ASSY-94 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
5/23/05	1		

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER - NEW

/PN# LAT-DS-01461
Assy. BLAST, DAO, TDM

WOB# 112121
REQ DATE 04-29-05
REL DATE 05-04-05
SOP# F17200
PC# 0000049799

CUST #
QTY
PROJECT#
MUST#

PAGE 5

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



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.

ADMSY 0151: GTC PC# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 7:30 STOP- 9:30

DATE	QTY	REMARKS	STATUS
<u>5-24-05</u>	<u>1</u>		<u>R</u>



14 290 00 QUALITY ASSURANCE AREA
OPER: S108-0 ASSY-37 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
<u>5/24/05</u>	<u>1</u>		



15 280 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
<u>5/26/05</u>	<u>1</u>	<u>JACKPOST MISSING</u>	
		<u>AT JTG</u>	
		<u>TD MARKING REMOVED</u>	



6.2.05

WITH SWAG & ACCOTAL

TRAVELER REVISION HISTORY RECORD
 CREATED BY: OPENIN FOR ASSY REV: DATE: 03.21.05
 REV BY DATE CHANGE DETAIL
 04 NIM 033179 RELEASED AT REV 04, AND CAA AT REV 01

END OF TRAVELER REVISION RECORD

WOB# 112121 GTC PC# 31201 EXPIRATION DATE 07/02/06

200409080033

200407020071

WOB# 112121 GTC PC# 1099 EXPIRATION DATE 01/06/05

WOB# 112121 GTC PC# 06/01/05

WOB# 112121 GTC PC# 1100pm STOP 1:30pm

DATE	QTY	REMARKS	STATUS
<u>06/01/05</u>	<u>1</u>		<u>ByP (1288)</u>



6.2.05

DEFECT RECORD REPORT

ID: 31757
PART NUMBER: LAT-DS-01481
WORK ORDER: 113120
SALES ORDER: F17200
INSPECTION TYPE: POTTING
INSPECTION LEVEL: 1
INSPECTOR: EMARTINEZ
OFFE SOLDER: 0
OFFE ASSEMBLY: 127
DATE: 5/18/2005
WEEK CODE: 22
QUANTITY: 1 RW QTY: 1
CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GLAT1809	1	1334	A375	1-BIG RUNNER	BONDING NOT PER PRINT	SCREWS	AP 5-18-05

5/18/05
5/18/05

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

JAN 2005 LAT-DS-01648
CAA, ELAST. TEM

WO# 112220
REQ DATE 02-03-05
REL DATE 12-21-01
SQA
PC# 0000048799

CUST #
PROJ # P17200
CUST# 15386

PAGE 1

SERIAL NUMBER ----- APPROVAL -----
G-1120 GLAT1771 PROD GA 2/3/05
QA MM 2-3-05

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

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



1 200 00 CONFIG RECORD/MITTING 0.0000 0.0000 0.0000
CONFIG

***** CONFIGURATION DOCUMENTS *****
DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
ASSY DWG: LAT-DS-01648 56 NONE
BOM PL: LAT-TD-02230 54 NONE
CUST SOW: LAT-PS-02615 02 NONE
ASSY AID: LAT-DS-01648 (RELEASED PER EC 2283)
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
SITE DOCUMENTS
USE: WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
* REV'D/PREP'D BY: GH (DATE/DATE) 02/02/05 *

DATE QTY REMARKS STATUS
2-3-05 _____ GA



2 201 00 STOCKROOM/MITTING AREA 0.0000 0.0000 0.0000
MIT PARTS

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

DATE QTY REMARKS STATUS
2/3/05 1 GA



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

ENV: IAT-DS-01146
CAA: CAAST, TEM

WOS 112220
RDO DATE 12-03-05
REL DATE 12-31-04
SOW
POB 0000048799

CUST PR
CITY
PROJECTS P17000
CUSTS 05185

PAGE 2

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



3 210 00 DIA/BLACK BOX ASSY AREA 1.3300 1.3300 1.3300
BOARD MARKING

PROCESS PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
2-7-05	1		OK 1048



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

PROCESS PER CAA STEP 4.

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

DATE	QTY	REMARKS	STATUS
2-7-05	1	IN	OK 1048
2-7-05		OUT	OK



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

PROCESS PER CAA STEP 5.

RECORD SOLDER PASTE DATA BELOW:
SDC POW 31728 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2/10/05	1	Screen 1 B=ok	OK 1866

- US8 - .0002
- US2 - .0003
- US3 - .0004
- US74 - .0004
- US61 - .0006
- R391 - .0004
- US5 - .0003
- US6 - .0005

Measurements taken by: silk 1866 2/10/05

Sum = .00511
Avg = .0003
Range = .0004

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-06-01646
CLA. SLAST. TEM

WO# 112020
REQ DATE 02-23-05
REL DATE 12-21-04
SC#
PC# 0000046102

CUST P#
QTY 1
PROJECT# P17200
CUST# 16356

PAGE 3

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



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

* PROCESS PER CAA STEP 6.

* RECORD SERIAL NUMBERS OF LISTED ASIC DEVICES:

FN-19 US 1793 US 1774 US 1784 US 1769
FN-23 US4 1755 US5 1652 US6 1640 US7 1657
US8 1659 US9 1617 US0 1598 US1 1658

DATE	QTY	REMARKS	STATUS
2-10-05	1	TOP-11	2F



7 213 00 SMT ASSY LINE 0.5000 0.5000 0.5000
SOLDER REFLOW

* PROCESS PER CAA STEP 7

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

DATE	QTY	REMARKS	STATUS
2-10-05	1		2F



8 213 00 SMT ASSY LINE 0.1000 0.1000 0.1000
ACIDOUS CLEAN

* PROCESS PER CAA STEP 8.

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

DATE	QTY	REMARKS	STATUS
2-10-05	1		2F

WIRA CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER: NEW

CCA/IN# 1AT-05-01646
CCA: GLAST. IEM

WOB 112020
REQ DATE 02-03-05
REV DATE 12-21-04
COST 0000048799

CUST #
PROJECT #
COST #

PAGE 4

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



9 290 00 QUALITY ASSURANCE AREA 0.4400 0.4400 0.4400
CPE: SLDR-0163 ASSY-5203

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

PART#S: ID# 29083

DATE	QTY	REMARKS	STATUS
2/24/05	1	Post Reflow	670



10 213 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
PRE-WAVE BAKEOUT

- PROCESS PER CAA STEP 10. 120C
- BAKE DATE 3/14/05 START: 8:10 STOP: 10:10

DATE	QTY	REMARKS	STATUS
3/14/05	1		me 1337



11 210 00 CCA/BLACK BOX ASSY AREA 2.4000 2.4000 2.4000
TAP-HOLE INSTALL

- PROCESS PER CAA STEP 11.
- RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW.
- TOOL # G7C-A-976 CAL DUE DATE 8-8-05

DATE	QTY	REMARKS	STATUS
3/14/05	1		me 1337



12 216 00 WAVE SOLDER 0.5000 0.5000 0.5000
WAVE SOLDER

- PROCESS PER CAA STEP 12.
- DATE 3-14-05 QTY 1 STATUS TK

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

CAAA/TN# LAT-DS-01640
CAA: GLAST, TEM

WIP# 112020
REQ DATE 02-03-05
REQ DATE 12-21-04
WIP# 0001048799

CUST #
PROJECT#
CUST#
PAGE 5
101100
101200

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



13 215 00 WAVESOLDER AQUEOUS CLEAN 0.2000 0.2000 0.2000

PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
3-14-05	1		OK



14 290 00 QUALITY ASSURANCE AREA CPE: SLDX-500 ASSY-55 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 14.

RECORD DEFECT RETURN REPORT NUMBER(S) BELOW.

DEF#(S)

30071

DATE	QTY	REMARKS	STATUS
3/14/05	1		



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

PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
3/14/05	1		OK 1337



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
3/14/05	1		OK 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

OPEN: LAT-DS-01446
CCA, GLAST, TEM

WOB# 110020
REQD DATE 02-03-05
COST DATE 11-21-04
JOB#
PO# 0000048799

WOB# 110020
REQD DATE 02-03-05
COST DATE 11-21-04
JOB#
PO# 0000048799

PAGE 6

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



17 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SDDR-100 ASSY-0

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

DRR#(S):

DATE	QTY	REMARKS	STATUS
3/14/05	1		



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

* PROCESS PER CAA STEP 19.
ADHESIVE PO# 31450 EXP DATE: 5/17/05
FPGA SERIAL #'S: U45 40364 U52 50273

DATE	QTY	REMARKS	STATUS
3/14/05	1		OK



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

* PROCESS PER CAA STEP 19

DATE	QTY	REMARKS	STATUS
3/14/05	1		1337



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

* PROCESS PER CAA STEP 20

DATE	QTY	REMARKS	STATUS
3/17/05	1		1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION:

WORK ORDER TRAVELLER - NEW

PC# LAT-D9-01848
CCA, GLAST, TEM

WOB# 112020
REQ DATE 02-03-05
REL DATE 12-21-04
COP#
PC# 0000048109

CUST #
QTY 1
PROJECT# P17000
CUST# 18390

PAGE 7

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



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

* PROCESS PER CAA STEP 21.

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



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

* PROCESS PER CAA STEP 22

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



23 00 QUALITY ASSURANCE AREA
CPE: SLAC-217 ASSY-230 0.2000 0.2000 0.2000

* PROCESS PER CAA STEP 23

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

DR#(S) 30102

DATE	QTY	REMARKS	STATUS
3/17/05	1		



24 245 00 SPEA ICT
SPEA TEST 0.9100 0.9100 0.9100

* PROCESS PER CAA STEP 24.

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

TEST#(S)

DATE	QTY	REMARKS	STATUS
03/17/05	1	SN: GT120 / a	passed

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

ENR IAT-05-01640
DCA GLAST. TEM

WO# 112020
REQ DATE 02-03-05
REL DATE 12-31-04
SOP#
PO# 0000048799

CUST P#
CITY
PROJECT# 1717200
CUST# 13155

LT# DEPT MACH# OP# DESCRIPTION SBT-UP RUN. HOURS LINE-MACH ST-DOD



05 210 00 CCA/BLACK BOX ASSY AREA 13.8300 14.8300 15.8300

INSTALL CONNECTOR-SOLDER
SLDR CONN J1-ROW 1>CHECK
SLDR-CONN J1-ROW 2>CHECK
SLDR-CONN J1-ROW 3>CHECK
SLDR-CONN J1-ROW 4>CHECK

3/11/05
3/19/05
3/19/05

- PROCESS PER CAA STEP 15.
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW.

TOOL = GL-942 CAL DUE DATE 8.05

PAGE	QTY	REMARKS	STATUS
3-18-05	1	Row 4 soldered	H.G.#1941
3-18-05	1	Row 3 soldered	H.G.#1941
3-18-05	1	Row 2 soldered	H.G.#1941

3-19-05 Row 1 soldered H.G.#1941
3-19-05 Bracket installed H.G.#1941



16 290 00 QUALITY ASSURANCE AREA 5.6300 5.6600 5.6800

OP# SLDR-996 ASSY-405

- PROCESS PER CAA STEP 14.
- RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

ERR#(S) _____

PAGE	QTY	REMARKS	STATUS
3/19/05	1	entry bracket	

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 9

PN# LAT-DS-01646
CNA, GLAST, TIM

WO# 112023
RPO DATE 12-03-08
REL DATE 12-31-08
SOP
POS 0000048799

CUST PO
QTY 1
PROJECT# P17200
CUST# 18156

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



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

* PROCESS PER CAA STEP 27.

** RECORD MATERIAL DATA BELOW:

RIV DC6-1104, GTC PO# 31695 EXPIRATION DATE 7-10-05
ADHSV 0151, GTC PO# 21403 EXPIRATION DATE 12-31-2007

0151 ADHESIVE MIX RECORD (RECORD PER BATCH)

BATCH #1 BATCH #2 BATCH #3 BATCH #4

RESIN WTHT: 11.0

HARDENER WTHT: 33.3

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

DATE... QTY.. REMARKS STATUS
3-19-05 1 GTC-120 DATE 2018



28 250 00 QUALITY ASSURANCE AREA 0.1000 0.1000 0.1000
OPE: SLDX-0 ASSY-104

* PROCESS PER CAA STEP 28.

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

DKR#(S)

DATE... QTY.. REMARKS STATUS

3/24/05 1 DATE



29 250 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
MIP - SLAC OAK INSPECTION
BEFORE SHIPMENT TO SLAC.

* PROCESS PER CAA STEP 29.

** PLEASE RETURN OCA TO QA FOR SHIPMENT.

DATE... QTY.. REMARKS STATUS

3-24-05 1 EXCESS STAKING DATE
ALIGNING STAPES
RELIEF D3, D4, D5

LAT TO QA 3-21-05

Y AND AREA SORT OF JA
CONNE CTE L

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-DS-01646
P.L.A. SLAST, TEM

WO# 112030
PRO DATE 03-03-05
REL DATE 12-21-01
SC#
PO# 0000048789

CUST P#
QTY 1
PROJECT# P17100
CUST# 18356

PAGE 10

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



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

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
3-21-05	1		OK



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

* PROCESS PER CAA STEP 31.

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

IRX#(S) _____

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
3/4/05	1		OK



32 299 00 SOURCE INSPECTION
SLAC CAR PRE-COAT INSP.
MANDATORY INSPECTION
POINT 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 32.

DATE	QTY	REMARKS	STATUS
5-9-05	1	GLAT 1771	OK



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

/PN# 1A7-DS-01646
CAA: GLAST, TEM

WO# 112020
REQ DATE 03-03-05
REL DATE 12-21-04
SC#
PC# 0000048799

CUST P#
QTY 1
PROJECT# P11200
CUST# 16356

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



33 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
ALCOHOL/DI CLEAN AND TEST
THE CLEANLINESS OF CCA.

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

DATE	QTY	REMARKS	STATUS
5/10/05	1		mm-k?



34 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-0 ASSY-11

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

DEF#19/

DATE	QTY	REMARKS	STATUS
5/10/05	1		(19)



35 250 00 COATING/POTTING AREA 0.6000 0.4000 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: 5-10-05 START: 6:00pm STOP: 7:00pm

DATE	QTY	REMARKS	STATUS
5-10-05	1	Bake mask	ITN

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WPN# LAT 05-01648
CWA: SLAST, JEM

WO# 112020
REQ DATE 02-03-05
REL DATE 12-21-04
SO#
POR 0000048799

CUST #
QTY 1
PROJECT# 217200
CUST# 18158

PAGE 12

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



36 350 00 COATING/POTTING AREA
SPRAY CONFORMAL COAT 0.0000 0.0000 0.0000

* PROCESS PER CAA STEP 36.

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

TWO (2) HOUR AIR CURE (BEFORE OVEN BAKE):
DATE: 5/16/05 START: 11:00 PM STOP: 7:00 AM

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



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

* PROCESS PER CAA STEP 37.

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

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

DATE	QTY	REMARKS	STATUS
<u>5/11/05</u>	<u>1</u>		<u>DM</u>
<u>5/11/05</u>	<u>1</u>	<u>UNMASK / TU</u>	<u>SAC</u>

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

WIP# /LINE LAT-DS-01446
CCA, GLAST, TEM

WO# 112200
REQ DATE 03-03-03
REL DATE 12-21-04
SQ#
PC# 0000048799

CUST P#
QTY 1
PROJECT# 217200
CUST# 16356

PAGE 13

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



38 250 00 QUALITY ASSURANCE AREA 0.5000 0.0000 0.5000
OFF: SLD-0 ASSY-99

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

DKR#(S)

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

- MATERIAL CERTIFICATIONS...
- SPEA TEST DEFECT REPORTS...
- INSPECTION DEFECT REPORTS...
- NON-CONFORMANCE REPORTS...
- FORM GTC-129 (DOC REV RECORD)...
- WG LOTS REPORT...
- DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
5/2/05	1		



39 250 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
CSI

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

DATE	QTY	REMARKS	STATUS
5.13.05	1	GLAT 1771	

WORK ORDER : 112020

(NEW)

WORK ORDER PICK LIST

PAGE: 1

MPLY # : LAT-DS-01646
QUANTITY : 1
LOCATION: WC2

BY LINE ITEM

EFFECTIVITY DATE: 02-03-05
RELEASE DATE : 12-21-04
DATE PRINTED : 05-04-08

DATE PULLED: _____

PULLED BY: _____

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL			
					RESV IN LOT #	QUANTITY			LOT QUANTITY	LOT DATE	BINLOC	QUANTITY
1	LAT-DS-01646 PWB, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	120299	SKCF2 FN-D1	120299	5.00	09-11-07		1 ✓
2	LAT-DS-01026 PLATE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114784	SKCF2 FN-D8	114784	6.00	06-19-07		1 ✓
3	LAT-DS-01031 PIN, CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114785	SKCF2 FN-D7	114785	14.00	06-19-07		2 ✓
4	NAS1392N02-8 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114786	SKCF2 FN-D9	114786	234.00	09-23-04		26 ✓
5	LAT-DS-03582 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114787	SKCF2 FN-D8	114787	14.00	09-23-04		2 ✓
6	MSS1557-13 SCREW, P/HD, 4-40 X .25 ORIGINAL QUANTITY	EA	2.00	RSVD	2.00	93945	SKCF2 FN-D10	53945	267.00	11-24-03	DEF	2 ✓
							FN-D10	114788	75.00	09-23-04		
	NAS620-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00	114789	SKCF2 FN-D2	114789	428.00	09-23-04		52 ✓
8	MS24671-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114790	SKCF2 FN-D8	114790	36.00	05-23-04		4 ✓
9	NAS671-C2 WTR ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114791	SKCF2 FN-D4	114791	208.00	09-23-04		26 ✓
10	LAT-DS-02588 ASSY, CABLE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00	BO	1.00		SKCF2 FN-(D9)25 J1		0.00			0
11	0151 ADHESIVE, HYSOL 402 KIT ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D11		0.00			C-C
12	CV-2946 S-VY SUSPIL TECH ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D12		0.00			C-C
13	5750 UNIFORMAL COATING UREthane ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D13		0.00			C-C

ASSEMBLY : LAT DS-01846
QUANTITY : 1
LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-00
RELEASE DATE: 12-31-04
DATE PRINTED: 02-24-05

DATE PULLED:

PULLED BY:

L#	PART NUMBER AND DESCRIPTION	LM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL			BIN	QUANTITY
					STAT	QUANTITY			QUANTITY	LOT	DATE		
25	SMD050 FUSE,RAYCHEM/POLYSWICH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114807	SKCP2 FN-12	114807 F3 F4 F6 F8	52.00	09-23-04		42	
26	SMD075 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114926	SKCP2 FN-13	114926 F3 F6 F7 F9	52.00	09-24-04		42	
27	MAX145AEUA IC ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120286	SKCP2 FN-18	120286 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	36.00	12-16-04		300	
28	MAX5121AEES IC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114810	SKCP2 FN-16	114810 U1 U2	22.00	09-23-04		2	
29	LAT-DS-03895 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP2 FN-17	U45	0.00			0	
30	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00	SO	1.00		SKCP2 FN-18	U52	0.00			0	
31	LAT-TD-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114813	SKCP2 FN-19	114813 U3 U4 U5 U6	34.00	09-23-04		42	
32	5962R3069101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114814	SKCP2 FN-20	114814 U63	30.00	09-23-04	DRY-10	1	
33	5962R3069203QVC IC ORIGINAL QUANTITY...	EA	5.00	SO	5.00		SKCP2 FN-22	U46 U47 U48 U53 U64	0.00			0	
34	LAT-TD-01812 IC ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	114816	SKCP2 FN-23	114816 U54 U55 U56 U57 U58 U59 U60 U61	66.00	09-23-04		82	
35	M07050PK000 THICK FILM JUMPER ORIGINAL QUANTITY...	EA	151.00	RSVD	151.00	114817	SKCP2 FN-24	114817 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	151.00	09-23-04		151	
36	M55342KC621E00R RESISTOR,CHIT, 100W,1K OH ORIGINAL QUANTITY...	EA	55.00	RSVD	55.00	114818	SKCP2 FN-25	114818 U101 U102 U103 U104 U105 U106 U107 U108 U109 U110 U111 U112 U113 U114 U115 U116 U117 U118 U119 U120 U121 U122 U123 U124 U125 U126 U127 U128 U129 U130 U131 U132 U133 U134 U135 U136 U137 U138 U139 U140 U141 U142 U143 U144 U145 U146 U147 U148 U149 U150 U151 U152 U153 U154 U155 U156 U157 U158 U159 U160 U161 U162 U163 U164 U165 U166 U167 U168 U169 U170 U171 U172 U173 U174 U175 U176 U177 U178 U179 U180 U181 U182 U183 U184 U185 U186 U187 U188 U189 U190 U191 U192 U193 U194 U195 U196 U197 U198 U199 U200	55.00	09-23-04		55	

WBY : LAT-DS-01646
JANUARY 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-06
RELEASE DATE : 12-21-04
DATE PRINTED : 02-04-06

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL					
			REQUIRED QUANTITY	CURR STAT				LOT QUANTITY	LOT DATE	LOT LIFE	SINLOC	BIN QUANTITY	
37	M55342K06B1P00R RESISTOR, CHIP, 100K, 1M OHM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114819	SKCF2 FN-29 R174 R175 PULLED:	666.00	09-23-04				
							114877 FN-29 R174 R175 PULLED:	217.00	09-27-04			2	
38	M55342K09B10F0R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114820	SKCF2 FN-32 R169 R165 PULLED:	112.00	09-23-04				
							114888 FN-32 R169 R166 PULLED:	212.00	09-27-04			2	
39	M55342K06B22D0R RESISTOR	EA	205.00	RSVD	205.00	114821	SKCF2 FN-15 R150 R151 R152 PULLED:	3700.00	09-23-04				205
	ORIGINAL QUANTITY...		205.00										
40	M55342K06B1000R RESISTOR, CHIP, 100K, 100 OHM	EA	60.00	RSVD	60.00	114822	SKCF2 FN-15 R150 R151 R152 PULLED:	3700.00	09-23-04				60
	ORIGINAL QUANTITY...		60.00										
41	M55342K06B1000R RESISTOR, CHIP, 100K, 100K	EA	50.00	RSVD	50.00	114823	SKCF2 FN-15 R150 R151 R152 PULLED:	3700.00	09-23-04				50
	ORIGINAL QUANTITY...		50.00										
42	M55342K06B2000R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114824	SKCF2 FN-29 R174 R175 PULLED:	105.00	09-23-04				2
43	S911P18-07S756 THERMISTOR, 31K ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114825	SKCF2 FN-41 R1 R2 PULLED:	14.00	09-23-04				
							118004 FN-41 R1 R2 PULLED:	46.00	09-27-04			2	
	S962R916S103QVC IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	120289	SKCF2 FN-21 U59 U50 U51 U52 PULLED:	36.00	12-16-04	DRY-10			4
45	M55342K06B49D0R RESISTOR, CHIP, 100K, 49.9 ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114827	SKCF2 FN-31 R648 R649 R650 R651 PULLED:	203.00	09-23-04	CF3D			4

WORK ORDER : 112020

(NEW)

WORK ORDER PICK LIST

PAGE: 5

WGLY # : 1AT-DS-01646
QUANTITY : 1
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-01-08
REVISION DATE: 12-21-04
DATE PRINTED : 02-04-08

DATE FILLED: _____

FILLED BY: _____

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			BIN	
			QUANTITY	STAT				QUANTITY	LOT QUANTITY	LOT DATE		LIFE
46	M55342K09B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114828	SKCF2 114828 FN-27 R391 R392 FILLED:	64.00	09-23-04			
			2.00				FN-27 114969 R351 R392 FILLED:	229.00	09-27-04			
47	M55342K09B5S11R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114829	SKCF2 114829 FN-30 R643 R643 FILLED:	216.00	09-23-04			
			2.00				FN-30 114983 R643 R643 FILLED:	232.00	09-27-04			
48	M55342K09B10E0R RESISTOR,CHIP,10K,10K 0 ORIGINAL QUANTITY..	EA	23.00	RSVD	23.00	114830	SKCF2 114830 FN-21 R145 R145 R151 R151 R151 R151 R640 R640 FILLED:	335.00	09-23-04	G72C		
			23.00				FN-21 114887 R145 R145 R151 R151 R151 R151 R640 R640 FILLED:	657.00	09-27-04			
							FN-21 114824 R145 R145 R151 R151 R151 R151 R640 R640 FILLED:	55.00	09-24-04			

DEFECT RECORD REPORT

ID: 30071

PART NUMBER: LAT-DS-01646

INSPECTION TYPE: 1ST SOLDER INSPECTIO

OPE SOLDER: 600

WORK ORDER: 112020

INSPECTION LEVEL: 1

OPE ASSEMBLY: 55

SALES ORDER: F17200

INSPECTOR: EMARTINEZ

DATE: 3/16/2005

QUANTITY: 1 RW QTY: 1

WEEK CODE: 13

CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
120	1	692	S405		EXCESS SOLDER	J12	
120	1	692	S408		CONTAMINANTS IN SOLDER	J16	
120	1	692	S413		BRIDGING	J03	

3/16/05
mm 1337

EM
3/16/05

CCA PIN: LAT-DS-01646 GLAT1771 GT120

W.O. #: 112020

CC Tech: HN (Initial / Employee #)

Date: 5/10/05

MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

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

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

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

REWORK TRAVELER

SO NO: F17300	PART NO: SLAC LAT-DS-01646	REV: 56
---------------	----------------------------	---------

SSEMBLY NAME: TEM CCA	QTY: 1
-----------------------	--------

Original signed editions reserved for copying							
APPROVAL	G. POZZI	G. HEFKIN	K. BERGHOLDT	P. LUJAN			
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	SLAC SOURCE	DATE
	4-18-05	SUP	4-18-05	ENT	4/18/05		4-19-05

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT-120 GLAT-_____	1337	4/13/05	
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.	1337	5/4/05	1.5
3	AQUEOUS CLEAN USING RECIPE #3	1337	5/4/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS, NO SOLDER BALLS ALLOWED.	1337	5/4/05	.5
5	SOURCE INSPECTION	LAT TO QA	5/9/05	



DEFECT RECORD REPORT

ID: 29683

PART NUMBER: LAT-DS-01646

WORK ORDER: 112020

SALES ORDER: F17203

QUANTITY: 1 RW QTY: 1

CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW

INSPECTION LEVEL: 1

INSPECTOR: VANDEVER

OFFE SOLDER: 4163

OFFE ASSEMBLY: 5203

DATE: 2/26/2005

WEEK CODE: 10

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT120	1	SMT	A301		MIS ORIENTATION	U11 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U3 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U5 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U14 ✓	LEAD 4
GT120	1		S402		INSUFFICIENT SOLDER	U54 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U61 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U6 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U60 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U59 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U56 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U55 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U4 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U57 ✓	
GT120	1		S402		INSUFFICIENT SOLDER	U58 ✓	
GT120	1		S417		IMPROPER TINNING	U52 ✓	LEADS 5 AND 6

Handwritten: 1251
2/11/05
① 2/12/05

DEFECT RECORD REPORT

ID: 30102
PART NUMBER: LAT-DS-01645
WORK ORDER: 112020
SALES ORDER: F17200
INSPECTION TYPE: HAND SOLDER
INSPECTION LEVEL: 1
INSPECTOR: EMARTINEZ
OFFE SOLDER: 217
OFFE ASSEMBLY: 236
DATE: 3/17/2005
WEEK CODE: 13
QUANTITY: 1 RW QTY: 1
CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT120	1	1337	A337		DEFORMED LEAD	R2	
GT120	1	1337	S406		EXCESS SOLDER	U45	

Handwritten notes:
L. C. S. J.
Solder
Solder

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

AL PN# LAT-DS-02588
ASSY, CABLE, CONN, TEM

WO# 112076
REQ DATE 02-04-05
REL DATE 01-31-05
SQ#
PC# 0000046799

CUST P#
QTY 19
PROJECT# 187700
COST# 15355

SERIAL NUMBER LISTING:

N/A

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

WORKMANSHIP:

ANSI-Z39-18 CLASS 3; OTHER:
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

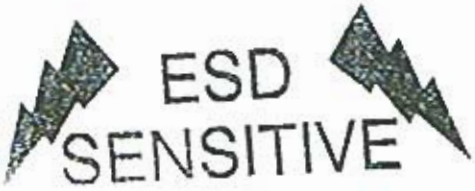
LOT NO.	LOT QTY	SERIAL NUMBERS	SPO NO.	REASON	APPRV EDATE

(wobdr rev 05.19.04 glh)

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



100 00 CONFIG RECORD/ATTING 0.0000 0.0000 0.0000
CONFIG



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

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

ASBY/PNS LAT-DS-02388
ASSY, CABLE, CONN. TEM

WOP 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SC#
PO# 0000048799

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

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



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

* WIRE, CRIMP PINS, AND CONNECTOR.

DATE	QTY	REMARKS	STATUS
2/10/05	19		

[Handwritten signature]

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER/TRAVELLER - NEW

PN# LAT-DS-02588
ASSY. CABLE, CONN, TEM

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

CUST P#
CITY 19
PROJECT# P17200
CUST# 15156

PAGE 3

Start 1-4
1337
4/26/05
move to start AS3A
Jeth

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



3 220 00 CABLE/HARNESS ASSY AREA 0.0000 0.0000 0.0000

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

cut

CRIMP TEST SETUP - GTC-2081.
CUT 6 PIECES OF WIRE @ 6" TO 3" LONG, FOR FULL TESTS.
USE 3 PLS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

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

USE SCHMIDT PNEUMATIC WIRE STRIPPER SET UP WITH
24 ANG STRIP BLADES, A STRIP LENGTH OF 3/16" (0.1875")
AND LEAVES THE INSULATION SLUG IN PLACE.

PRE-ASSY CRIMP TEST...

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

CRIMP TEST: BY states DATE: 2/9/05 STATUS Pass
R. Harrison 1970

ASSEMBLY ACTIVITY...

- 1 FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2 STRIP THE INSULATION LEAVING THE SLUG, 3/16" (0.1875").
- 3 CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
CUT 34 PLS TO 1-1/8" (1.125") LONG. USE PROGRAM # 89
- 4 STRIP SECOND END USING THERMAL TWEEZERS. 3/16"
CUT 34 PLS TO 1" (1.0000") LONG. USE PROGRAM # 90
- 5 TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
- 6 FULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD.
USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

POST-ASSY CRIMP TEST...

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

CRIMP TEST: BY R. Harrison 1970 DATE: 2/9/05 STATUS Pass

DATE	CITY	REMARKS	STAT
2/10/05	8	8 7/8" (39) ± 1/8" (39) @ 4 each	CM1970
3.10.05	8	1 1/8" (35) 1" (200) 1 5/16" (175)	H.G.#1941
3.11.05	8	1 1/8 strips	H.G.#1941

Equipment CHANGE: EUBANKS
3/16" strip length to 1/4"
(19)
Pass Crimp Tensile Strength Sheet attached
3-21-05
2-8-05

1 2 3 4 - performed using 3/16"
3/16 (19)
ON EUBANKS

GTC-A-463
K42 - mm.
3.11.05 1 5/16 strips H.G.#1941
3.11.05 crimps 1 5/16 H.G.#1941
3-10-05 MV 1942 1" strip
3-17-05 timing H.G.#1941 1 5/16
3.14.05 crimp pin 1" (46) H.G.#1941
3.14.05 crimp pin 1 1/8" (90) H.G.#1941
3.14.05 crimp pin 1 1/8" (235) H.G.#1941
3.14.05 crimp pin (26) 1" H.G.#1941

* 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
pre-Asst crimp test 3.21.05 Pass H.G.#1941

See page
3A - continued
Jeth

WORK CELL: 4-MIXED

CUSTOMER: SLAC

7 PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/PN# LAT-DS-02588
ASSY, CABLE, CONV, TEM

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

CUST ID
QTY 25
PROJECT# 017200
COST# 15356

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



4 200 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# SLDR-78 ASSY-312

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

DRR#(S)

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



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

- * INSERT TERMINATED WIRES TO CONNECTOR.
- ...INSERT LONGER WIRES (1-⁵¹⁶) INTO HOLE NUMBERS 1 THRU ²⁰
- ...INSERT SHORT WIRES (¹⁴²) INTO HOLE NUMBERS 60 THRU 78.
- ...ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

strips, crimps & things 3/14/05
PO# 8-22-05
Insert 1/8" wires into 21 Through 59

DATE	QTY	REMARKS	STATUS
2/17/05	4		RM 1970
3-15-05	2		L.G.#1441
3-21-05	1		L.G.#1441

3-21-05 3 completed H.G.#144



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OP# 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-01646.

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

WORK ORDER : 112026

(NEW)

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY : LAT-DS-02568
ACTIVITY : 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: _____

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

The following parts have been defined as alternates for 206504-1:
LT# 1.1 3112407-5P-B-15 1 PER
Partial quantity replacements are allowed.

2	M22759/11-24-8 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	102.00	RSVD	1938.00 115299	SKCF2 FN-3	115299	35954.00	01-01-04	
---	--	----	--------	------	----------------	---------------	--------	----------	----------	--

3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	84.00	RSVD	1596.00 114796	SKCF2 FN-2	114796	1997.00	05-23-04	IN ASSY
---	--	----	-------	------	----------------	---------------	--------	---------	----------	---------

						FN-2	115041	972.00	09-27-04	F17200
--	--	--	--	--	--	------	--------	--------	----------	--------

The following parts have been defined as alternates for 204370-8:
LT# 3.1 G08P1 1 PER
Partial quantity replacements are allowed.

07.50

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	11.8	12.9	12.9
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	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-05-02588

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 Marmol 1970 WORK ORDER NO. 112026
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	
SELECTOR VALUE:		
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	

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}		✓ RA	✓ RA
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

0830

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 MARLOW 1 1970	TEST DATE
CONTACT PN:	204370-8	2-15-05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A 930)	RHODA MARLOW 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A 831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MPE 200A (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

13224 1355

CRIMP TENSILE STRENGTH

LAT-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	1	TEST DATE
CONTACT PN:		2/15/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC-)	Adam Marriot
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		1102/12026
TEST EQUIP # (Last CAL date):	()	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.3	12.6	13.3
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}	✓	✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	✓
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

1:10 PM.

CRIMP TENSILE STRENGTH

Lat-05-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE
CONTACT PN:	204370-8	2.28.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC-A520)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC-A631)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alcatraz MPF20A (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)	PASS FAIL	PASS FAIL	PASS FAIL
Type of Separation Observed			
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

8:45 a.m.

CRIMP TENSILE STRENGTH Cat-15-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE
CONTACT PN:	204370-B	3.1.05
WIRE PN:	M72759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M72520 / 2-01 (GTC 1.830)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M72520 / 2-09 (GTC 1.831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alphatron MPF 200A (6/2/04) 11805	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

7:47 a.m.

CRIMP TENSILE STRENGTH Cat-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE-PROD	<input type="radio"/> POST-PROD
CRIMP OPERATOR NAME/EMP #:	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 4-83)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-01 (GTC 4-83)	WORK ORDER NO.
SELECTOR VALUE:	3	117026
TEST EQUIP # (Last CAL date):	Alphatron MPF 200A 11805 6.17.04	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.5	13.6	13.4
PASS/FAIL (circle test result)	<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):			

9:50 A.M.

CRIMP TENSILE STRENGTH

Lot DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE-PROD

POST-PROD

CRIMP OPERATOR NAME/EMP #:

Herbie Gray 1#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 #):

M22920 / 2-09 (GTC 931)

WORK ORDER NO.

SELECTOR VALUE:

3

112026

TEST EQUIP # (Last CAL date):

Hedstrom MPF 204 (6.1704)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.4

13.2

13.4

PASS/FAIL (circle test result)

PASS

FAIL

PASS

FAIL

PASS

FAIL

Type of Separation Observed

SLIP (pull out) {a}

CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}

✓

CONTACT BROKEN IN CRIMP AREA (some or all) {c}

CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}

✓

✓

CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}

OTHER (define) {f}

SPECIAL INSTRUCTIONS (as reqd):

8:50 A.M.

CRIMP TENSILE STRENGTH Cat-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE - PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #:

Hedie 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# 850)

Hedie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-09 (GTC# 851)

WORK ORDER NO.

SELECTOR VALUE:

3

117026

TEST EQUIP # (Last CAL date):

Alpha MPF200A (1-18-05)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.0

12.8

13.0

PASS/FAIL (circle test result)

PASS

FAIL

PASS

FAIL

PASS

FAIL

Type of Separation Observed

SLIP (pull out) {a}

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

OTHER (define) {f}

SPECIAL INSTRUCTIONS (as reqd):

CRIMP TENSILE STRENGTH (at 15-0258)

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE 3/4/05 TESTED BY Herbie Gray WORK ORDER NO. 112026
CONTACT PN:	204370-8	
WIRE PN:	M22759 / 11-24-9	
CRIMP TOOL PN (GTC Tool #):	M22759 / 2-01 (GTC # 102)	
DIE/LOCATOR PN (GTC Tool #):	M22759 / 7-01 (GTC # 036)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	Alphatron 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	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-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 # 1941	TEST DATE
CONTACT PN:	204370-8	3.21.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 4102)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 4836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alpert MPI-200A (6.17.01)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

Assy 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TEST DATE</td></tr> <tr><td>4/28/05</td></tr> <tr><td>TESTED BY</td></tr> <tr><td>Dora</td></tr> <tr><td>WORK ORDER NO.</td></tr> <tr><td>112026</td></tr> </table>	TEST DATE	4/28/05	TESTED BY	Dora	WORK ORDER NO.	112026
TEST DATE								
4/28/05								
TESTED BY								
Dora								
WORK ORDER NO.								
112026								
CONTACT PN:	204370-8 (C08P1)							
WIRE PN:	M22759/11-24-9							
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-#611)							
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	6/17/04 ^{Dec} 6/17/04 ^{GTC #58}							
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)	<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
Check Failure Mode Observed			
SLIP (pull out) (a)	13.7 ✓		✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

Assy. LAT-D5-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):