## END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT108 GLAT1835

*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# 113223 ; S/N (above SN)

TPS Unit; LAT-DS-01482 WO# 113205 ; S/N GT108 GLAT 1816

TPS CCA; LAT-DS-02388 WO# 112061 ; S/N GT108 GLAT 1778

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# 113109 ; S/N GT108 GLAT 1797

TEM CCA; LAT-DS-01646 WO# 112008 ; S/N GT108 GLAT 1759

TEM I/P Cable; LAT-DS-02588 WO# 112076 ; S/N N/A

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

( #2323 for LAT-DS-02388; #2305 for LAT-DS-02388, #2244 for LAT-DS-02[illegible]

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:** 6T1086LAT1835

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

Top Level; TEM/TPS LAT-DS-01643 { ✓

TPS Unit; LAT-DS-01482 { ✓

TPS CCA; LAT-DS-02388 { ✓

TPS O/P Cable; LAT-DS-02831-01 { ✓

TPS I/P Cable; LAT-DS-02830-01 { ✓

TEM Unit; LAT-DS-01481 { ✓

TEM CCA; LAT-DS-01646 { ✓

TEM I/P Cable; LAT-DS-02588 { ✓

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

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

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

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

(#29341 & #21910 for LAT-DS-01646 #29576 & #31236 for LAT-DS-02388)

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

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

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

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

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:** [signature] **Date:** 5/17/05

**GTC QA Acceptance:** GTO 14 QA **Date:** 5/17/05

**SLAC QAR Acceptance:** LAT TO QA **Date:** 5/18/05

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

S H I P P E R
SHIPPER NUMBER F17301.2
SALES ORDER NUMBER F17301
SHIP DATE 05/04/05
PAGE 1

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

B 15356
I SLAC
L ACCOUNTS PAYABLE
L 2575 SAND HILL RD M/S85
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 | 22 | EA | LAT-DS-01643 | 52 | 1.00 1 | 129309 |
| | | | ASSY, UNIT-TEM/TPS | | 1 | 129310 |
| | | | S/N: GT108/GLAT~~1831~~1835, GT105/GLAT1832. | | ** 2 | ** TOTAL |
| | | | QTY DUE...: 17 | | | |

FKSround # 024260060000994
987

SHIP.VIA: UPSG
WAYBILL#:

Invoice
Customer 0000053627
Dept PRODUCTION
PO Number

Date 05/04/2005
Wgt 42.0 LBS
COD 0.00
DV 0.00

SHIPPING 0.00
SPECIAL 0.00
HANDLING 0.00
TOTAL 0.00

Svcs: GND BLL RCP O/S
Svc TRCK: 024260060000994
TRCK: 024260060000987

Certificate of Conformance

General Technology Corporation hereby certifies that goods 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 issue revision in effect on the date of this order, and/or as specified by the buyer. Supporting records are on file subject to [illegible] request.

Yolanda Granados 5/4/05
Quality Assurance Signature Stamp Date

SHIP TO: SLAC
[illegible]

WORK CELL: 1-BIG RUNNER  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER  NEW

WO# 113223  PAGE 1
/PN# LAT-DS-01643  REQ DATE 05-06-05  CUST P#
Assy. Unit-Item/Ifs:  REL.DATE 04-21-05  QTY 1
SO#  F17301  PROJECT#  F17301
PO#  0000053627  CUST#  19350

GT104 GLAT1834

*SERIAL NUMBER*********1831 GLAT 1831 *******APPROVAL:***

R1 GT108 GLAT 1831 PROD CH 5-3-05

GT108 GLAT 1835 QA MH 5-3-05

*WORKMANSHIP *********
IPC/RIA 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.

*Gln 02 02.05*********

| Dle | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 1 | 200 | | 00 | CONFIG RECORD/KITTING CONFIG | 0.0000 | 0.0000 | | 0.0000 |

* * * * * * * * * * CONFIGURATION DOCUMENTS * * * * * * * * *

| | DOCUMENT NUMBER | REV | FO/FL | OUTSTANDING ECO'S |
|---|---|---|---|---|
| ASSY DWG: | LAT-DS-01643 | | 53 | NONE |
| BOM FL: | (SAME - ON DWG. | | | |
| CUST SOW: | LAT-PS-02815/23078 | | 01 | NONE |
| VISC/TC: | (NOT APPLICABLE; WAS QA-282; SOW DELETED GTC DO.) | | | |
| ASSY AID: | LAT-DS-01643 | | | (RELEASED PER EC 2478) |

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * *

USE: WORK ORDER, CONTROLLED ASSEMBLY AID, 4 DRAWINGS.

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

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 5-3-05 | | | MH |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | 201 | | 00 | STOCKROOM/KITTING AREA KITTING | 0.0000 | 0.0000 | | 0.0000 |

* PROCESS MATERIAL PER QAA STEP 2.

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 5/3/05 | 1 | | |

WORK CELL: 1-BIG RUNNER  CUSTOMER: SLAC

PRODUCTION  WORK ORDER TRAVELLER - NEW



ASSY/PN# LAT-DS-11643
ASSY. UNIT-TEN/TPS

WO# 113223
REQ DATE 05-10-05
RFD DATE 04-21-05
SO# F17301
PO# 0000053627
CUST P#
QTY 1
PROJECT# F17301
CUST# 15356

| Op# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL SCREWS JOINING<br>THE TEN & TPS BOX ASSYS. | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 3.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | INSTALL SCREWS. | |

| Op# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>TORQUE FASTENERS. | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 4.

** ALERT SLAC QAR TO WITNESS TORQUE PROCESS.**

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

TORQUE TOOL # GTC-A-977
GTC-E-944 CAL DUE DATE: 1-26-6

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | TORQUE | |
| 5.4.05 | 1 | GCAT 1831 / WITNESS T.OR.QUE | LAT TO QA |

| Op# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 5 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE BOLT HEADS. | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 5.

• RECORD MATERIAL DATA BELOW:

ADHSV 0151 GCC PO# 31430 EXPIRATION DATE 1-31-07 20 g H-6,Lg.B
CURE DATE/TIME START: ~~5-30~~ 11:30 STOP: ~~10:30~~ 1:30

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | STAKE BOLTS + CORE | |

WORK CELL: 1-BIG RUNNER CUSTOMER: GLAC

': PRODUCTION WORK ORDER TRAVELLER - NEW



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

WO# 113023
REQ DATE 05-06-05
REL.DATE 04-21-05
OO# F17301
PO# 0000053607

CUST P#
QTY 1
PROJECT# F17301
CUST# 15356

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE MACH | HOURS SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 6 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPR: SLDR-C ASSY-122 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 6.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/4/05 | 1 | | |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE MACH | HOURS SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 7 | 290 | | 00 | SOURCE INSPECTION<br>EXAMINE BOX JOINING AND EID PACKAGE | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 7.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

• UPON ACCEPTANCE, ADDITIONALLY INDICATE BY STAMPING THE END-ITEM-DATA PACKAGE ON THE CHECKSHEET (FORM GTC 150).

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5.4.05 | 1 | | |
| | | | |
| | | | |

LAT 10 QA

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE MACH | HOURS SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 8 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPR: SLDR-C ASSY-37 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 8.

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

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/17/05 | 1 | | |
| | | | |
| | | | |

GTC 14 QA

WORK CELL: 1/PIG ROOTER CUSTOMER: SLAC

T[illegible]: PRODUCTION WORK ORDER TRAVELLER - NEW

PAGE 4

Assy/Rev LAT DS-01643
ASSY. UNIT-TEN/TPS

WO# 112223
REC DATE 05-06-05
REL.DATE 05-01-05
SO# F17301
PO# 0000053627

CUST PN
QTY 1
PRODUCT# F17301
CUST# 13956

| Lt# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOC. |
|---|---|---|---|---|---|---|---|---|
| 0 | 299 | | 00 | PACKAGING/SHIPPING INSP<br>PACKAGING/SHIPPING | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS ASSEMBLY PER CAA STEP 9

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | | MRJ EZ018 |
| | | | |
| | | | |

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

CREATED BY: MEFFIN
FOR ASSY REV: 03
DATE: 04.26.05

| ASSY REV | CHG BY | CHG DATE | CHANGE DETAIL |
|---|---|---|---|
| 03 | JLH | 042605 | UPDATED FOR UNITS 4 THRU 20 |

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

( NEW )

WORK ORDER : 113031 — WORK ORDER PICK LIST — PAGE: 1

ASSY # : LAT-DS-01643 — BY LINE ITEM — EFFECTIVITY DATE: 05-03-05
QNTITY: 1 — RELEASE DATE : 04-21-05
LOCATION: W01 — DATE PRINTED : 05-03-05

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIREMENTS: REQUIRED QUANTITY | CLWK STATUS: STAT | RESV QUANTITY | RESV IN: LOT # | INVLOC | LOT NUMBER | INVTORY DETAIL: LOT QUANTITY | LOT DATE: LOT TYPE | BIN: BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LAT-DS-01687<br>SCREW, SKTHD CAP, 832X 62<br>ORIGINAL QUANTITY | EA | 40.00<br>40.00 | RSVD | 40.00 | 120307 | SKCF2<br>FN-DJ | 120307<br>PULLED: | 96 40 | 09-11-07 | IN ASSY |
| 2 | 0151<br>ADHESIVE; HYSOL 4OZ KIT<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | RQ | 1.00 | | SKCF2<br>FN-D4 | <br>PULLED: | 0.64 | | |

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



.../P/N: LAT-DS-01482
ASSY. GLART, IAC, CPS

WO# 113205
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17307
PO# 0000048810

CUST P#
QTY 1
PROJECT# F.7300
CUST# 19356

*SERIAL NUMBER ~~GT104 GLAT1812~~
GT108 GLAT1816

*APPROVAL:
PROD LH 5/3/05
QA HJM 5-3-05

*WORKMANSHIP:
IPC/EIA-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.
-glh 09.28.04

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST.DOT. |
|---|---|---|---|---|---|---|---|---|
| 1 | 200 | | 00 | CONFIG RECORD/KITTING<br>CONFIG | | 0.0000 | 0.0000 | 0.0000 |

* * * * * * * * * * CONFIGURATION DOCUMENTS * * * * * * * * *

| | DOCUMENT NUMBER | REV TD/SL | OUTSTANDING EO'S |
|---|---|---|---|
| ASSY DWG: | LAT-DS-01482 | 03 | NONE |
| BOM PL: | (SAME - ON DWG) | | |
| PART SCH: | LAT-PS-03078 | 03 | NONE |
| PRE-TEST: | (N/A THIS LEVEL) | | |
| ASSY AID: | LAT-DS-01482 | - | (RELEASED PER EC 2477) |

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * *

USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

*** SEE FOOTER OF WORK ORDER FOR REV HISTORY ***

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 5.3.05 | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST.DOT. |
|---|---|---|---|---|---|---|---|---|
| 2 | 211 | | 00 | STOCKROOM/KITTING AREA<br>KITTING | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS MATERIAL PER CAA STEP 2.

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 5/6/05 | 1 | | |

ESD SENSITIVE

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW



ASSY/PN# LAT-DS-01492 WO# 113205 CUST P#
ASSY. MFAST. DAO. TPS REQ.DATE 05-04-05 QTY 1
REL.DATE 04-20-05 PROTECT# P17300
SO# P17300 CUST# 18356
PO# 0000048800

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-DAT. |
|---|---|---|---|---|---|---|---|---|
| | | | | | HOURS | | | |
| 3 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>APPLY ADHESIVE | 0.0000 | 0.0000 | 0.0000 | |

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

OCC PO# 31450 EXP. DATE 5-17-05

LOT #'S. (PT A) 32775 (PT B) 32775

MIX RECORD (PART A WGHT) 15 g (PART B WGHT) 1 g

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-3-05 | 1 | HD Hesive | A.D. |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-DAT. |
|---|---|---|---|---|---|---|---|---|
| | | | | | HOURS | | | |
| 4 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>LOG CCA SN TO WORK ORDER<br>INSTALL CCA TO BOX | 0.0000 | 0.0000 | 0.0000 | |

- PROCESS ASSY PER CAA STEP 4.

INSTALLED CCA SERIAL NUMBER: GT 108

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-3-05 | 1 | Installed | A.D. |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-DAT. |
|---|---|---|---|---|---|---|---|---|
| | | | | | HOURS | | | |
| 5 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>TORQUE FASTENERS | 0.0000 | 0.0000 | 0.0000 | |

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

TOOL # GTC-F-921 1/2 CAL DUE DATE 8-05

GTC-E-911 CAL DUE DATE 8-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-3-05 | 1 | Torque = 150 IN oz | |
| | | | |
| 5-3-05 | 1 | WITNESS TORQUE | LAT TPS QA |

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 113205 PAGE 3
ASSY/P/N LAT-DS-01452 REQ DATE 05-06-05 CUST P#
ASSY. GLAST. DAQ. TPS REL.DATE 04-20-05 QTY 1
SO# F17300 PROJECT# F17300
PO# 0000046800 COST# 15356

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

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | 210 | | 00 | CCA/BLACK BOX ASSY AREA INSTALL J2 | 0.0000 | 0.0000 0.0000 |

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

TOOL # GTC-A-977 CAL DUE DATE 1-26-06
GTC-E-944 CAL DUE DATE 5-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | Torque 94 IN OZ. | AP |
| 5-4-05 | 1 | WITNESS TORQUE | LAT TO QA |

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

- PROCESS ASSY PER CAA STEP 7.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | Secure J2 Harness | AP |
| | | | |
| | | | |

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

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

TOOL # GTC-A-977 CAL DUE DATE 1-26-06
GTC-E-944 CAL DUE DATE 5-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | Torque 94 IN OZ | AP |
| 5-4-05 | 1 | WITNESS TORQUE | LAT TO QA |

WORK CELL: 1-BIG SKOVER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



ASSY/P/N# LAT-DS-01652 WO# 113305 CUST PA
ASSY: GLAST: DAQ: IPS REQ DATE 05-06-05 QTY 1
REL DATE 04-20-05 PROJECT# P17300
SO# P17300 CUST# 19358
PO# 0000048800

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | HOURS LINE-MACH | SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 9 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE BOLT HEADS @ CCA | 0.0000 | 0.0000 | 0.0000 | |

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 01-31-07.
CURE DATE/TIME: START- 11:30 STOP- 1:30

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | STAKE BOLT | AP |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | HOURS LINE-MACH | SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE J2 HARDWARE | 0.0000 | 0.0000 | 0.0000 | |

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 STOP 1:30

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | STAKE J2 HARDWARE | AP |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | HOURS LINE-MACH | SC-LOT |
|---|---|---|---|---|---|---|---|---|
| 11 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE J2 CABLE TIES | 0.0000 | 0.0000 | 0.0000 | |

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

ADHSV 0151: GTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 11:30 STOP- 1:30

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | STAKE J2 CABLE | AP |
| | | | |
| | | | |

WORK CELL: 1 ECO RUDDER  CUSTOMER: SLAC

T  T: PRODUCTION  WORK ORDER TRAVELLER - NEW



ASSY/P/N# LAT-DS-01682
ASSY, GLAST, DAQ, EPO

WO# 113203
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17300
PO# 0000049900

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

| Lit# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 12 | 910 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE JL HARDWARE | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 12

• RECORD MATERIAL DATA BELOW:

ADHSV LOT#, QTC PO# 31403 EXPIRATION DATE 1-31-07

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | STAKE JL HARDWARE | AP |

| Lit# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 13 | 920 | | 00 | CCA/BLACK BOX ASSY AREA<br>MARKING (SN LABEL) | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 13.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | MARKING | AP |

| Lit# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 14 | 930 | | 00 | QUALITY ASSURANCE AREA<br>OPR: SLOR-0 ASSY-257 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/4/05 | 1 | | QCS |

| Lit# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 15 | 940 | | 00 | BONFOR INSPECTION<br>EXAMINE ASSY PER-CLOPF | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/4/05 | 1 | GLAST IPA | SAT IQ QA |

WORK CELL: 1-BIG RUNNER  CUSTOMER: BIAC

PRODUCTION  WORK ORDER TRAVELER - NEW

WO# 113205  PAGE 6
Assy/PN# LAT DS-01452  REQ DATE 05-06-05  CUST P#
Assy. CLASS, DAD, TPS  REV. DATE 04-20-05  QTY 1
SO# F17300  PROJECT# F17300
PO# 0000048805  CUST# 18550

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 16 | 210 | | 00 | CCA/BLACK BOX ASSY AREA INSTALL LID | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 16

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-04-05 | 1 | INSTALL LID | IP |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 17 | 210 | | 00 | CCA/BLACK BOX ASSY AREA TORQUE FASTENERS. | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 17.

"•• ALERT BIAC QAR TO WITNESS TORQUE PROCESS.••

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

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

GTC-E-944 CAL DUE DATE 8-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | TORQUE 125 IN/LB | IP |
| | | | LAT 10 QA |
| 5-4-05 | 1 | WITNESS TORQUE | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 18 | 220 | | 05 | QUALITY ASSURANCE AREA CFE: SLOR-0 ASSY-#4 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 18.

RECORD DEFECT REPORT NO: IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/4/05 | 1 | | |
| | | | |
| | | | |

WORK CELL: 1-BIG BUNNER CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 113205 PAGE 7
ASSY/PN# LAT-DS-01482 REQ DATE 05-06-15 CUST P#
ASSY, GLAST, DAQ, IFB REL DATE 04-20-05 QTY 1
SO# F17300 PROJECT# F17300
PO# 0000048800 CUST# 18356

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE BOLT HEADS | 0.0000 | 0.0000 | | 0.0000 |

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

ADHSV 0151. QTC PO# 31403 EXPIRATION DATE 1-31-06.
CURE DATE/TIME. START- 11.30 STOP- 1.30

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-4-05 | 1 | ADHesive | KS |

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 20 | 040 | | 00 | QUALITY ASSURANCE AREA<br>OPS: SLDR-0 ASSY-40 | 0.0000 | 0.0000 | | 0.0000 |

- PROCESS ASSY PER CAA STEP 20.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/4/05 | 1 | | LAT IQ QA |

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 21 | 491 | | 00 | SOURCE INSPECTION<br>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 |
|---|---|---|---|
| 5.4.05 | 1 | GLAST 1816 | LAT IQ QA |

********** TRAVELER REVISION HISTORY REPORT **********

CREATED BY: FOR ASSY REV: DATE:
WEFWIN 55 042515

| ASSY REV | CHG BY | CHG DATE | CHANGE DETAIL |
|---|---|---|---|
| 55 | GLA | 042515 | RELEASED AT SCV 50, AND CAA AT REV -1 |

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

( NEW )

WORK ORDER : 113305 — WORK ORDER PICK LIST — PAGE: 1

ASSY # : LAT DS-01403 — BY LINE ITEM — EFFECTIVITY DATE: 05-03-05
QUANTITY : 1 — RELEASE DATE : 04-20-05
LOCATION: W01 — DATE PRINTED : 05-03-05

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | RSRV IN QUANTITY | LOT # | INVLOC | LOT NUMBER | INVENTORY DETAIL: LOT QUANTITY | LOT DATE / LOT LOCN | BIN BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LAT-DS-00995<br>BASE, BOX, CPS<br>ORIGINAL QUANTITY | EA | 1.00<br>1.00 | RSVD | 1.00 | 121225 | SKCF2<br>FN-1 | 121225<br>PULLED: | 18.00 | 09-30-04 SLAC | |
| 2 | LAT-DS-00996<br>LID, BOX, CPS, PS<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | RSVD | 1.00 | 121224 | SKCF2<br>FN-2 | 121224<br>PULLED: | 18.00 | 09-30-04 SLAC | |
| 3 | LAT-DS-02385<br>NUT, SLAST, CPS<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-3 | PULLED: | 0.00 | | |
| 4 | NAS1352N04-6<br>SCREW<br>ORIGINAL QUANTITY... | EA | 30.00<br>30.00 | RSVD | 30.00 | 115012 | SKCF2<br>FN-4 | 115012<br>(WAS 26 EA.)<br>PULLED: | 595.00 | 09-27-04 LOT 115 | |
| | | | | | | | FN-4 | 125261<br>(WAS 20 EA.)<br>PULLED: | 100.00 | 04-13-05 IN ASSY | |
| 5 | NAS6303C4<br>WASHER,FLAT,SS,.125"ID, S<br>ORIGINAL QUANTITY... | EA | 32.00<br>32.00 | BO | 32.00 | | SKCF2<br>FN-5 | (WAS FN-6, 30 EA.)<br>PULLED: | 0.00 | | |
| 6 | NAS1352N10-4<br>SCREW<br>ORIGINAL QUANTITY... | EA | 20.00<br>20.00 | RSVD | 20.00 | 115019 | SKCF2<br>FN-6 | 115019<br>(WAS FN-8, 22 EA.)<br>PULLED: | 616.00 | 09-27-04 F17501 | |
| | | | | | | | FN-6 | 120306<br>(WAS FN-8, 22 EA.)<br>PULLED: | 66.00 | 12-16-04 IN ASSY | |
| 7 | 0151<br>ADHESIVE, RV801,40Z KIT<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-7 | (WAS FN-9)<br>PULLED: | 0.00 | | |
| 8 | CV-2946<br>RTV,MOBIL GEAR<br>ORIGINAL QUANTITY... | OZ | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-8 | WAS FN-10)<br>PULLED: | 0.00 | | |
| 9 | PLT1M-CT1<br>TIE,CABLE,LOCKING,PANDUIT<br>ORIGINAL QUANTITY | EA | 5.00<br>5.00 | BO | 5.00 | | SKCF2<br>FN-9 | (WAS FN-14)<br>PULLED: | 0.00 | | |
| 10 | MS21043-3<br>NUT,REIF LOCKING,#10-32,F<br>ORIGINAL QUANTITY: | EA | 4.00<br>4.00 | BO | 4.00 | | SKCF2<br>FN-10 | PULLED: | 0.00 | | |
| 11 | MS9117-<br>ALMRS<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | BO | 0.00 | | SKCF2<br>FN-11 | WAS FN-12<br>PULLED: | 0.00 | | |
| 12 | LAT-DS-02630<br>PLUG, SP<br>ORIGINAL QUANTITY | EA | 1.00<br>1.00 | BO | 0.00 | | SKCF2<br>FN-12 | PULLED: | 0.00 | | |

( NEW )

WORK ORDER : 113205 — WORK ORDER PICK LIST — PAGE: 1

ASSY # : LAC-03-01402 — BY LINE ITEM — EFFECTIVITY DATE : 03-03-15
QUANTITY : 1 — RELEASE DATE : 04-20-15
W.. LOCATION: W02 — DATE PRINTED : 05-03-15

DATE PULLED: _____ PULLED BY: _____

| Lit | PART NUMBER AND DESCRIPTION | UM | REQUIREMENTS - REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC NUMBER | LOT NUMBER | LOT QUANTITY | DOC DATE / LOT LIFE | BIN/OOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 5120-99-0440<br>CASANDRA: M-F 440X.18X.31<br>ORIGINAL QUANTITY... | EA | 1.00 | SO | 0.00 | | SKSP2<br>FN-13 | | 0.00 | | |
| | | | 1.00 | | | | | PULLED: | | | |

MCRA CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELER - NEW

WO# 112061 PAGE 1
ASSY/PN# LAT-DS-02388 REQ DATE 02-10-05 CUST P#
DESC: QUADT. DP3 REV DATE 12-31-04 QTY 1
SO# PROJECT# P17300
PO# 0000048870 CUST# 15350

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

GT108 QUAD 1778

PROD: [illegible] 2/10/05

QA: [illegible] 2.10.05

*WORKMANSHIP:*

IPC/EIA-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.

*rlb 02.07.05*

| I# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-EACH | $I-LOT |
|---|---|---|---|---|---|---|---|---|
| 1 | 300 | | 00 | CONFIG RECORD/KITTING CONFIG | | 0.0000 | 0.0000 | 0.0000 |

CONFIGURATION DOCUMENTS

| | DOCUMENT NUMBER | REV PO/FP | OUTSTANDING ECO'S |
|---|---|---|---|
| ASSY DWG: | LAT-DS-02388 | ~~03~~ 58 | NONE |
| BOM PL: | LAT-TD-02391 | 03 | NONE |
| CUST DOW: | LAT-PS-03078 | 03 | NONE |
| PCB ASSY: | N/A | | |
| ASSY AID: | LAT-DS-02389 | | (RELEASED PER EC 2350) |

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

* * * * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * * * *

USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

*(REV'D)/(REP'D BY): GH (DATE)(DATE): 02.07.05*

| | DATE | QTY | REMARKS | STATUS |
|---|---|---|---|---|
| | 2-10-05 | | | |

AB 4-28-05

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

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

| | DATE | QTY | REMARKS | STATUS |
|---|---|---|---|---|
| | 2/11/05 | 1 | | |

ESD SENSITIVE

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PWB: LAT_DS-00369 WOT 112061 PAGE 2
BOA: START, IPS REQ ENTR 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# P17300
PO# 0000046600 CUST# 19356

| LIF | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 | 010 | | 00 | SCA/BLACK BOX ASSY AREA<br>MARK GCC SN | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS PER CAA STEP 3.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2-11-05 | 1 | | PF |
| | | | |
| | | | |

| LIF | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 013 | | 00 | SMT ASSY LINE<br>PRE-SMT BAKEOUT | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS PER CAA STEP 4.

RECORD BAKE DATE TIME START/STOP BELOW:

BAKE DATE: 2-11-05 START: 10:12 STOP: 12:02

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2-11-05 | 1 | | PF |
| | | | |
| | | | |

| LIF | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 5 | 017 | | 00 | SMT ASSY LINE<br>STENCIL BOTTOM SIDE | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS PER CAA STEP 5

• RECORD FOLDER PASTE DATA BELOW:

GCC P/N: 3172 EXPIRATION DATE 7-11-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/17/05 | 1 | | PF (CA) |
| | | | |
| | | | |

| LIF | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 6 | 019 | | 00 | SMT ASSY LINE<br>PICK-N-PLACE PARTS | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS PER CAA STEP 6.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/17/05 | 1 | | PF |
| | | | |
| | | | |

C37 - .0079 C24 - .0074
C41 - .0075 D17 - .0072
C125 - .0078
C127 - .0073
C117 - .0074
C116 - .0079

Sum = .0595
Avg = .0074
Range = .0007

Measurements taken by [illegible] 2/17/05

WORK CELL: 1-MIXED  CUSTOMER: SLAC

T  PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 112061  PAGE 3
Assy/P/# LAT-DS-02388  REQ DATE 02-10-05  COST $#
QCA: SLAC: TPS  REL DATE 12-01-04  QTY 1
SO#  PROCESS# P17309
P/O#  0000048803  CUS.# 15386

| LIN | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | MINS EACH | SO-LOT |
|---|---|---|---|---|---|---|---|---|
| 1 | 213 | | 00 | SMT ASSY LINE SOLDER REFLOW | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 7.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/11/05 | 1 | | JF |
| | | | |
| | | | |

| LIN | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | MINS EACH | SO-LOT |
|---|---|---|---|---|---|---|---|---|
| 2 | 442 | | 00 | SMT ASSY LINE AQUEOUS CLEAN | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 8.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/11/05 | 1 | | JF |
| | | | |
| | | | |

| LIN | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | MINS EACH | SO-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 | 230 | | 00 | QUALITY ASSURANCE AREA OFF SLDR-1206 Assy-1648 | 0.0000 | 0.0000 | 7.0000 | |

* PROCESS PER CAA STEP 9.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR'S:

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/12/05 | 1 | | |
| | | | |
| | | | |

| LIN | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | MINS EACH | SO-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 213 | | 00 | SMT ASSY LINE SOLDER PASTE STENCIL TOP SIDE | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 10.

* RECORD STENCIL PASTE DATA BELOW:

SPC Dot 3172  EXPIRATION DATE 7-14-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/11/05 | 1 | | JF |
| | | | |
| | | | |

Dot = .0075
Dot = .0075
Dot = .0076
Dot = .0075
Dot = .0077
Dot = .0073

Dot Time Data (in .001)
Sum = .0452
Avg = .0075
Range = .0004

Measurements Taken By: MR 1606 2/10/05

WORK CELL: 4-MIXED  CUSTOMER: SLAC

PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 112151  PAGE 4
Assy/P/# LAT-US-02388  REQ Date 02-10-15  CUST D#
Ctl, Class: TPR  Sel.Date 12-01-04  QTY
SO#  PROJECT#  P17310
POS  0000148610  COST#  16356

| Lit | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 11 | 210 | | 00 | SMT ASSY LINE PICK-N-PLACE | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 11.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2-16-05 | 1 | TP11 | CAT |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 12 | 210 | | 00 | SMT ASSY LINE SOLDER REFLOW | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 12.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2-16-05 | 1 | | CAT |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 13 | | | 00 | SMT ASSY LINE AQUEOUS CLEAN | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 13.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2-18-05 | 1 | | TH |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 14 | 260 | | 00 | QUALITY ASSURANCE AREA ITE SLCR-1421 ASSY-786 | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 14.

** RECORD DEFECT RECORD REPORT NUMBERS BELOW.

DRR#'S: 29576

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/23/05 | 1 | | |
| | | Less D500 | |
| | | | |

+ shorting D500 R.C. & C.B. Cir.
Wrong Val C599, C699 R.C. ... R.C.

03/09/05
Installed C599 & C699 Caps.
STC 1PPB
BYP 03/09/05
3/9/05

WORK CELL: 4-MIXED  CUSTOMER: SLAC

PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 112061  PAGE 5
ASSY P/N# CAT-08-02388  REC DATE 02-10-05  CUST P#
CCA: GLAST: VRS  DEL DATE 12-01-06  QTY 1
SO#  PROJECT# F17300
PO# 0000048900  CUST# 15350

| ID# | DEPT | MACH# | UP# | DESCRIPTION | SET UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 00 | 010 | | 00 | CCA/BLACK BOX ASSY AREA<br>THT THRU-HOLE PARTS | 2.0000 | 0.0000 | | 0.0000 |

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

DRR#(S): _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/23/05 | 1 | | CVD1920 |

inspect IC wire strip: 2-25-05 (GTC 1298 QA)

inspect 35 wires tinned 2-25-05 (GTC 1298 QA)

| ID# | DEPT | MACH# | UP# | DESCRIPTION | SET UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 14 | 010 | | 00 | CCA/BLACK BOX ASSY AREA<br>MECH ASSY - HTSNKS/VRS | 0.0000 | 0.0000 | | 0.0000 |

- PROCESS PER CAA STEP 10.
- RECORD ADHESIVE DATA BELOW:

  STC TO# 31460  EXPIRATION DATE 05/17/05

- RECORD ASSIGNED TOOL# USED, AND CAL DUE DATE, BELOW

  TOOL # GTC-6951 1/2  CAL DUE DATE 08-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 02/24/05 | 1 | Torqued stud hardware at 12.5 in oz | (GTC 1298) BJP 02/24/05 |
| 02/24/05 | 1 | Torqued VRS filter at 6.5 in oz | (GTC 1298) BJP 02/24/05 |

| ID# | DEPT | MACH# | UP# | DESCRIPTION | SET UP | RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 17 | 010 | | 00 | CCA/BLACK BOX ASSY AREA<br>TERMINATE VRS | 0.0000 | 0.0000 | | 0.0000 |

- PROCESS PER CAA STEP 17.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 02/24/05 | 5 | cut & stripped wires | [illegible] |
| 02/24/05 | 5 | tinned wires | [illegible] |

← special in-process cut examination of wires ID# 14-00

inspection of 5 wires 2/24/05

inspected 5 tinned wires (GTC 1298 QA)

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 113061  PAGE 6
ASSY/REV# LAT-DS-03986  PRO DATE 02-10-05  CUST P#
CON: GLAST: TPS  SAL.DATE 12-01-04  QTY 1
SO# PROJECT# P17300
PO# 0000049800  CUST# 19356

| ID# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| | | | 00 | CCA/BLACK BOX ASSY AREA INSTALL/SOLDER P1, P2 | 0.0000 | 0.0000 | 0.0000 | |

Move INSTALL & Solder TO Step 26 2-25-05

• PROCESS PER CAA STEP 18

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| ID# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 210 | | 00 | CCA/BLACK BOX ASSY AREA INSTALL/SOLDER TO WIRES | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 19

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 02-28-05 | 1 | installed wires | STC 592 |
| | | | |
| | | | |

| ID# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 490 | | | 00 | QUALITY ASSURANCE AREA OPT: SLDR-70 ASSY-40 | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 20.

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

DRR#(S)

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 03/28/05 | 1 | | QA |
| | | | |
| | | | |

| ID# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 20 | 210 | | 00 | CCA/BLACK BOX ASSY AREA MCH ASSY-BOTTOM TCS | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 21.

• RECORD ADHESIVE DATA BELOW:

OTI #'s 31450 EXPIRATION DATE 05-17-05

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

TOOL # GTC-H-484 CAL DUE DATE 4-28-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 03-28-05 | 1 | | STC 592 |
| | | | |
| | | | |

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



.../PN# LAT-DS-02348
CCA: GLAST TFS

WO# 112061
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17107
CUST# 15326

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 22 | 110 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL/SOLDER WIRES-TCS | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 22.

| DATE | QTY | REMARKS | |
|---|---|---|---|
| 03-01-05 | 1 | | STC 592 M.D. |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 23 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPR: SLCR-90 ASSY-28 | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 23.

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

DRR#(S): _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/1/05 | 1 | | |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 24 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL/SOLDER Q504, Q504 | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 24.

* RECORD ADHESIVE DATA BELOW.

CCC PO# 31450 EXPIRATION DATE 05/17/05

| DATE | QTY | REMARKS | |
|---|---|---|---|
| 03-02-05 | 1 | | STC 592 |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 25 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL/SOLDER CAPs | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 25.

| DATE | QTY | REMARKS | |
|---|---|---|---|
| 03-03-05 | 1 | | STC 592 M.D. |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

P/N# LAT-LS-02356  WO# 112061  PAGE 1
C.A./ CLASS: TPS  REQ DATE 02-10-05  CUST PO
REL DATE 12-01-04  QTY 1
SO#  PROJECT# P17010
PO# 0000048800  CUST# 15050

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

DP 010 CO CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER P. S. 2 R1 & R2

* PROCESS PER CAA STEP 26.

DATE.... QTY.. REMARKS..... STATUS
03-03-05 1 _____ 67C 682

DP 020 CO QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPR: SOLDR-7S ASSY 10

* PROCESS PER CAA STEP 27.

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

DRR#(S) _____

DATE.... QTY.. REMARKS..... STATUS
3/3/05 1 _____ 19

DP 030 CO SPEA P/F 0.0000 0.0000 0.0000
SPEA TEST

* PROCESS PER CAA STEP 28.

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

TDRR#(S) _____

DATE.... QTY.. REMARKS..... STATUS
03/04/05 1 SW: GT 109 (D500 was not installed) Jo passed

DP 040 CO CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER 37 CABLE
SLDR T/H-ROW 1 CHECK [illegible] 1251 3/9/05
SLDR S/S-ROW 2 CHECK BAP (1088) 03/09/05
SURFACE MT-C [illegible] MTE
* PROCESS PER CAA STEP 29. BAP (1088) 03/09/05

DATE.... QTY.. REMARKS..... STATUS
03 03-05 1 _____ 682

WORK CELL: 4-MIXED  CUSTOMER: SLAC

STATUS: PRODUCTION  WORK ORDER TRAVELER - NEW



ASSY/PN# LAT-DS-02399
DRA, MARK, CPS

WO# 112061
REQ DATE 03-10-05  COST D#
REL.DATE 10-01-04  QTY
SO#  PRATT#  P47900
PO#  0000048801  CUST#  19356

| ID# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 30 | 210 | | 00 | CCA/BLACK BOX ASSY AREA | 0.0000 | 0.0000 | | 0.0010 |

INSTALL/SOLDER D/P CABLE
SLDR O/P-ROW 1>CHECK Jm 3/10/05
SLDR O/P-ROW 2>CHECK Jm 3/10/05
SLDR O/P-ROW 3>CHECK 3/11/05 lm
SLDR O/P-ROW 4>CHECK 3/10/05

* PROCESS PER CAA STEP 30.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 03-11-05 | 1 | | SR2 |
| | | | |
| | | | |

| ID# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 31 | 999 | | 00 | QUALITY ASSURANCE AREA | 0.0000 | 0.0000 | | 0.0010 |

OPR: STDR-99 ASSY-107

* PROCESS PER CAA STEP 31.

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

DRR#(S)

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/11/05 | 1 | | |
| | | | |
| | | | |

| ID# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | HOURS RUN | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 32 | 210 | | 00 | CCA/BLACK BOX ASSY AREA | 0.0000 | 0.0000 | | 0.0005 |

HOUSE CLEAN/MEGTECS clean ink 3-11-05

* PROCESS PER CAA STEP 32.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/11/05 | 1 | | SC-1507 |
| | | | |
| | | | |

03/09/05 filled DS00 shorts
Byp
03/09/05

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112051 PAGE 10
REQ DATE 02-10-05 CUST PO#
RPT DATE 12-01-04 QTY 1
SO# PROJECT# 7.7300
PO# 00000045810 CUST# 10356

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

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

• PROCESS PER CAA STEP 33. ~~STEP MC MC 3-11-05~~ 3/11/05

RTV DC6-1104, PO# 31695 EXPIRATION DATE 7-10-05

PER ADHESIVE 0181 APPLICATION FOR CURE DATA.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-11-05 | 1 | | KC |
| | | | |
| | | | |

34 ~~210~~ CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAMP WITH RTV - VR6
DC6-1104

~~210~~ 34 3/11/05 ~~MC 3-11-05~~ 3/11/05 34.5

• PROCESS PER CAA ~~STEP~~ STEP 34 3/11/05

•• ~~NOTE: DEVICE RECORD REQUIRED WHEN 16 ESCAPE~~

~~SERIAL~~

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-11-05 | 1 | | KC |
| | | PO 31695 Exp 7-10-05 | |
| | | | |

3-11-05 3/11/05

35 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POTTING/STAMPING DCS

34.6 Pack Off 3/11/05

RTV DC6-1104

• PROCESS CAA PER CAA STEP 35 7-10-05

OVEN CURE DATE PO# 31695 START EXP. DATE STOP 3/11/05

OVEN CURE DATE START STOP

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-11-05 | 1 | | KC |
| | | | |
| | | | |

3-11-05

WORK CELL: 6-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PAGE 11

//PN# LAT-DS-02386
CCA, CLASS, IPS

WO# 112061
REC DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# P12317
CUST# 10996

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP HOURS | RUN HOURS | LINE-MACH HOURS | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 36 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE HARDWARE - NUTS, WASHERS, STUDS, SCREWS | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 36.

ADHESIVE 0191, GTC PO# 30156 EXPIRATION DATE 01-07

~~CURE DATE~~ START ~~STOP~~

Cure at step 40 KH 3-11-05

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

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP HOURS | RUN HOURS | LINE-MACH HOURS | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 37 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL/STAKE SUPPORTS | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 37.

ADHESIVE 0191, GTC PO# 30156 EXPIRATION DATE 01-07

~~CURE DATE~~ START ~~STOP~~

Cure at step 40 KH 3-11-05

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

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP HOURS | RUN HOURS | LINE-MACH HOURS | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 38 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE COMPONENTS - C650<br>C650, P2-P5 | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 38.

ADHESIVE 0191, GTC PO# 30156 EXPIRATION DATE 01-07

~~CURE DATE~~ START ~~STOP~~

Cured at step 40 KH 3-11-05

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

WORK CELL: 4 MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112061 PAGE 12
ASSY/PN# LAT_DS-00999 REQ DATE 02-10-05 COST EP
DSN: GLAST, TPS REL DATE 12-01-04 QTY 1
SO# PROJECT# F17300*
PO# 0000048800 CUST# 15300

| Op# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST/LOT |
|---|---|---|---|---|---|---|---|---|
| 30 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE INDUCTORS | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 39

ADHESIVE (191): GTC PO# 30156 EXPIRATION DATE 01-07

~~CURE DATE~~ ~~START~~ ~~STOP~~ Cure at Step 40 KH 3-11-05

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

| Op# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST/LOT |
|---|---|---|---|---|---|---|---|---|
| 40 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE CAPACITORS AND R22, R1 & R2 | 0.0000 | 0.0000 | 0.0000 | |

JJG 4-28-05

* PROCESS PER CAA STEP 40.

ADHESIVE (191): GTC PO# 30156 EXPIRATION DATE 01-07

CURE DATE 3-11-05 START 6:15 Pm STOP 8:15 Pm

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-11-05 | 1 | | KH |
| 4-28-05 | 1 | staked R22 | PO 1946 PO # 31403 exp. date 10/5 |
| 4-28-05 | 1 | baked R22 10:30 AM - 12:30 PM | PO 1946 mix = Part A: 3.1g Part B: 1.0g |

| Op# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST/LOT |
|---|---|---|---|---|---|---|---|---|
| 41 | 281 | | 01 | QUALITY ASSURANCE AREA<br>DFE: FLDR-0 ASSY-97 | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 41.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR#(S): _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/17/05 | 1 | | a.09 |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: GLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

Asy/PN# LAT-DR 02338
CUA: GLAST, DSS

WO# 112061  PAGE 13
REQ DATE 03-10-05  CUST PO
REV DATE 12-01-04  QTY 1
SO#  PROJECT# F17300
POP 0000048800  CUST# 19356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 03 | 060 | | 00 | SOURCE INSPECTION<br>GLAC QAR INSPECTION - MIP | 0.0000 | 0.0000 | 0.0000 | |

* PROCEED PER CAA STEP 42
(SEE MANDATORY INSPECTION POINT - MIP)

| DATE | QTY | REMARKS GT108 | STATUS |
|---|---|---|---|
| 3.14.05 | 1 | GLAT 1778 | |
| | | EXCESSIVE WEAR | |
| | | MARKS C501 | |

LAT 10 REJ  LAT 10 QA  3/14/05

03/14/05 Reflowed C501. GT 128 B 03/1

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 43 | 090 | | 00 | PACKAGING/SHIPPING INSP<br>PACKAGE & SHIP COA FOR<br>TEST & CUSTOMER. | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 43.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-14-05 | 1 | | MC |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 44 | 095 | | 00 | QUALITY ASSURANCE AREA<br>RECEIVING INSPECTION | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 44.

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

DRR#(S):

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/13/05 | 1 | | |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 45 | 100 | | 00 | SOURCE INSPECTION<br>GLAT QAR PRE-COAT INSP.<br>MANDATORY INSPECTION<br>POINT (BEST POINT) | 0.0000 | 0.0000 | 0.0000 | |

* PROCEED PER CAA STEP 45.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/15/05 | 1 | GLAT 1778 | |
| | | NCMR 2294 - USE AS IS | |
| | | NCMR 2305 - REWORK | |
| | | NCMR 2323 - Scrubbed | |

LAT 10 QA  4/15/05

WORK CELL: 4-MIXED CUSTOMER: GLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



./WN# LAT:DS-012a8
CCA, GLAST TDS

WO# 112061
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# P17300
COST# 18356

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

HOURS

44 220 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
CLEAN AND TEST
THE CLEANLINESS OF CCA.
ATTACH RESULTS REPORT TO
THE TRAVELER/WO.

* PROCESS CAA PER CAA STEP 46.

* ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/26/05 | 1 | Washed. | YMM-168 |
| 4/27/05 | 1 | Washed | Dan 1267 |
| | | Cleanness | |

47 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPR: SLDA+0 ASSY-7

* PROCESS PER CAA STEP 47.

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

LRR#(S)

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/29/05 | 1 | | |

48 430 00 COATING/POTTING AREA 0.0000 0.0000 0.0000
BAKE-CCA AND MASK

* PROCESS CAA PER CAA STEP 48.

RECORD BAKE DATE,TIME START/STOP BELOW.

BAKE DATE: ~~5-05-05~~ START: 8:30 STOP: 9:20

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-2-05 | 1 | Mask | |

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



A, /PN# LAT-US-02356
CCA, GLAST, TPS

WO# 112061
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY
PROJECT# P17310
CUST# 19356

| DI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 49 | 250 | | 00 | COATING/POTTING AREA CONFORMAL COATING | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS CAA PER CAA STEP 49.

CONFORMAL COATING PO# 31201 EXPIRATION DATE 6/30/05
AIR CURE DATE 5/02/05 START 12:20PM STOP 2:30PM

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/2/05 | 1 | Coat | DM |

| DI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 50 | 250 | | 00 | COATING/POTTING AREA OVEN CURE/TOUCHUP | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS CAA PER CAA STEP 50.

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5-2-05 | 1 | Demask touch up | AV |

| DI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 51 | 290 | | 00 | QUALITY ASSURANCE AREA DFD. SLDR-0 ASSY-7 | 0.0010 | 0.0000 | | 0.0000 |

• PROCESS CAA PER CAA STEP 51.

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

...COPIES OF CERTIFICATIONS...
...SPEA TEST REPORTS...
...INSPECTION REPORTS...
NON-CONFORMANCE REPORTS...
PWB-ITEM DATA PACKAGE FORMT...
DIGITAL PHOTOGRAPHS, RECORDED ONTO CD .

ID # 31236

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/3/05 | 1 | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

DWG#: PRODUCTION  WORK ORDER TRAVELLER - NEW



//PN# LAT-09-01393
CCA, GLAST, EPO

WO# 112069
REC DATE 02-10-05
REL.DATE 12-01-04
SO#
PO#  0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 18396

| Lv# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | LINE-MACH | ST-DOC |
|---|---|---|---|---|---|---|---|---|
| | | | | | HOURS | | | |
| 50 | 201 | | 03 | SOURCE INSPECTION CSI | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS CAA PER CAA STEP 51.

NOTE: NEXT ASSEMBLY IS LAT-09-01402

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/3.05 | 1 | | LAT 10 QA |
| | | | |
| | | | |

-SERIAL NUMBER ----------

-APPROVAL:---

PROD: ____/____

QA: ____/____

-WORKMANSHIP:----------

IPC/EIA-J-STD-001C CLASS 3; WITH "CS" SPACE SUPPLEMENT

SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE

AT ANY STEP OF THE TRAVELER/WORK ORDER. SLAC QAR MAY

INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

-End of Operations----------

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # : IAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: W02 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | LOT LIFE | BIN | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | IAT-DS-02389<br>PWR CLAST, TPS<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2<br>FN-D1 | | 0.00 | | | | |
| | | | | RSVD | 1.00 | 120305 | | PULLED: | | | | | |
| | | | | | | | SKCF2 | 120305 | 15.00 | 09-11-07 | | | |
| | | | | | | | | PULLED: | | | | | |
| 2 | IAT-DS-02830-01<br>ASSY, CABLE, TPS I/F PWR<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | BO | 1.00 | | SK2<br>FN-(D2) | 17 J2<br>PULLED: | 0.00 | | | | |
| | | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | | PULLED: | | | | | |
| 3 | IAT-DS-02466<br>HEAT SINK, TPS<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | | | | SK2<br>FN-D3 | PULLED: | 0.00 | | | | |
| | | | | RSVD | 4.00 | 115014 | SKCF2 | 115014 | 60.00 | 09-27-04 | | | |
| | | | | | | | | PULLED: | | | | | |
| 4 | IAT-DS-02831-01<br>ASSY, CABLE, TPS O/P PWR<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | BO | 1.00 | | SK2<br>FN-(D4) | 18 J1<br>PULLED: | 0.00 | | | | |
| | | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | | PULLED: | | | | | |
| 5 | IAT-DS-03598<br>SUPPORT, CABLE HARNESS<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | | | | SK2<br>FN-D21 | PULLED: | 0.00 | | | | |
| | | | | RSVD | 2.00 | 115020 | SKCF2 | 115020 | 14.00 | 09-27-04 | F17J2 | | |
| | | | | | | | | PULLED: | | | | | |
| | | | | | | | | 120305 | 23.00 | 09-11-07 | IN ASSY | | |
| | | | | | | | | PULLED: | | | | | |
| 6 | IAT-DS-05535<br>LABEL, SN<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | BO | 1.00 | | SK2<br>FN-D22 | PULLED: | 0.00 | | | | |
| | | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | | PULLED: | | | | | |
| 7 | NAS1149CN1032R<br>WASHER<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | RSVD | 4.00 | 59293 | SK1<br>FN-D5 | 59293<br>PULLED: | 6.00 | 07-31-01 | A4F | | |
| | | | | | | | SKCF2 | 115016 | 138.00 | 09-27-04 | LOT 115 | | |
| | | | | | | | | PULLED: | | | | | |
| 8 | MAS671C6<br>NUT,HEX,SM PAT<br>ORIGINAL QUANTITY... | EA | 19.00<br>19.00 | RSVD | 19.00 | 117403 | SK3<br>FN-6 | 117403<br>PULLED: | 57.00 | 11-04-04 | D2R | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 2

ASSY # : IAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: WO2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BIN/LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | NAS6710C6 NUT,#6.5M.PAT Cont from prior page. | EA | 12.00 | | | | FN-6 | 122955 | 545.00 | 02-11-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-6 | 122960 | 910.00 | 02-02-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-6 | 122986 | 501.00 | 02-03-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-6 | 122987 | 509.00 | 02-02-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | SKCF2 | 44671 | 18.00 | 05-19-00 | CF3D | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 116770 | 423.00 | 10-25-04 | | |
| | | | | | | | | PULLED: | | | | |
| 9 | NAS1352N06-6 SCREW ORIGINAL QUANTITY... | EA | 7.00 | | | | SK2 FN-D7 | | 0.00 | | | |
| | | | 7.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 7.00 | 115011 | SKCF2 | 115011 | 101.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 10 | NAS1352N04-6 SCREW ORIGINAL QUANTITY... | EA | 4.00 | | | | SK2 FN-D8 | | 0.00 | | | |
| | | | 4.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 4.00 | 114832 | SKCF2 | 114832 | 924.00 | 09-23-04 | LOT 115 | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 115012 | 712.00 | 09-27-04 | IN ASSY | |
| | | | | | | | | PULLED: | | | | |
| 11 | NAS1149CN632R WASHER ORIGINAL QUANTITY... | EA | 19.00 | | | | SK2 FN-D9 | | 0.00 | | | |
| | | | 19.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 19.00 | 115010 | SKCF2 | 115010 | 927.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 12 | NAS6710C4 NUT, HEX,SS,PASS,4-40THRD ORIGINAL QUANTITY | EA | 4.00 | RSVD | 4.00 | 122091 | SK2 FN-D10 | 122091 | 133.00 | 01-20-05 | HW7 | |
| | | | 4.00 | | | | | PULLED: | | | | |
| | | | | | | | FN-D10 | 122142 | 64.00 | 01-20-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-D10 | 122180 | 250.00 | 01-21-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-D10 | 122195 | 2000.00 | 02-04-05 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | FN-D10 | 123384 | 920.00 | 02-07-05 | | |
| | | | | | | | | PULLED: | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 3

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ASSY # : LAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: W02 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT QUANTITY | RESV LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | LOT LIFE | BIN/LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | NAS671C4 NUT, HEX,SS,PASS,4-40THRD Cont from prior page. | EA | 4.00 | | | FN-D10 | 123397 | 610.00 | 02-07-05 | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | FN-D10 | 123512 | 80.00 | 02-07-05 | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | FN-D10 | 123521 | 155.00 | 02-07-05 | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | FN-D10 | 123532 | 100.00 | 02-07-05 | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | FN-D10 | 123691 | 700.00 | 02-07-05 | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | SKCF2 | 115009 | 31.00 | 09-27-04 | LOT 115 | | |
| | | | | | | | PULLED: | | | | | |
| 13 | CV-2566 RTV 732WH, TECH ORIGINAL QUANTITY... | OZ | 1.00 BO<br>1.00 | 1.00 | | SK2 FN-D11 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| 14 | 0151 ADHESIVE, HYSOL,4OZ KIT ORIGINAL QUANTITY... | OZ | 1.00 BO<br>1.00 | 1.00 | | SK2 FN-D12 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| 15 | PLT1M-C76 TIE,CABLE,LOCKING,PANDUIT ORIGINAL QUANTITY... | EA | 5.00 BO<br>5.00 | 5.00 | | SK2 FN-D15 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| 16 | 5750 CONFORMAL COATING URELANE ORIGINAL QUANTITY... | OZ | 1.00 BO<br>1.00 | 1.00 | | SK2 FN-D17 | | 0.00 | | | | |
| | | | | | | | PULLED | | | | | |
| | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| 17 | TC6-1104 ADHESIVE ORIGINAL QUANTITY.. | OZ | 1.00 BO<br>1.00 | 1.00 | | SK2 FN-D18 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| | | | | | | SKCF2 | | 0.00 | | | | |
| | | | | | | | PULLED: | | | | | |
| 18 | M81969/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY | IN | 1.00 RSVD<br>1.00 | 1.00 | 46190 | SK2 FN-D19 | 46190 (FOR TERMINATING WIRE) | 1250.00 | 09-14-00 | SHI Rx | | |
| | | | | | | | PULLED: | | | | | |

( NEW )

WORK ORDER : 112001 — WORK ORDER PICK LIST — PAGE: 4

ASSEMBLY # : LAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 00-10-25
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: WO2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RSSV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BINLOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | IN | | | | | SKCF2 | 115299 | 17716.00 | 10-01-04 LOT1152 | | |
| | WIRE, 24AWG, WHITE<br>Cont from prior page | | | | | | | PULLED: | | | | |
| 19 | LAT-DS-04101<br>HEATSINK<br>ORIGINAL QUANTITY.. | EA | 2.00<br>2.00 | | | | SK2<br>FN-D20 | PULLED: | 0.00 | | | |
| | | | | RSVD | 2.00 | 120304 | SKCF2 | 120304 | 61.00 | 09-11-07 | | |
| | | | | | | | | PULLED: | | | | |
| 20 | ARF461<br>IC FILTER<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2<br>FN-34 | VR5<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 1.00 | 114959 | SKCF2 | 114959 | 17.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 21 | MAX734ECK<br>IC<br>ORIGINAL QUANTITY... | EA | 7.00<br>7.00 | | | | SK2<br>FN-36 | U6 U7 U8 U10 U15 U17 U18<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 7.00 | 114951 | SKCF2 | 114951 | 149.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 22 | 5962R9661501VXC<br>IC<br>ORIGINAL QUANTITY.. | EA | 5.00<br>5.00 | | | | SK2<br>FN-35 | U20 U059 U560 U569 U660<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 5.00 | 120301 | SKCF2 | 120301 | 15.00 | 12-16-96 DRY-10 | | |
| | | | | | | | | PULLED: | | | | |
| 23 | BSR1040TXV<br>DIODE<br>ORIGINAL QUANTITY... | EA | 7.00<br>7.00 | | | | SK2<br>FN-19 | D1 D2 D3 D4 D9 D19 D20<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 7.00 | 114948 | SKCF2 | 114948 | 210.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 24 | JANTXV1N4153UR-1<br>DIODE<br>ORIGINAL QUANTITY.. | EA | 8.00<br>8.00 | | | | SK2<br>FN-20<br>D639 D699 | D502 D503 D509 D599 D602 D603<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 8.00 | 114949 | SKCF2 | 114949 | 224.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 25 | JANTXV1N2900US<br>DIODE 1N5804US<br>ORIGINAL QUANTITY... | EA | 8.00<br>8.00 | | | | SK2<br>FN-21<br>D607 D611 | D501 D504 D507 D508 D601 D604<br>PULLED: | 0.00 | | | |
| | | | | RSVD | 8.00 | 114950 | SKCF2 | 114950 | 184.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 26 | JANTXV1N645TUS<br>DIODE<br>ORIGINAL QUANTITY... | EA | 6.00<br>6.00 | | | | SK2<br>FN-23 | CR1 CR3 CR4 CR6 CR8 CR9<br>PULLED | 0.00 | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 9

ASSY # : LAT-DS-02300 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 19-01-04
LOCATION: W02 — DATE PRINTED : 02-11-09

DATE PULLED: _____ PULLED BY: _____

| LIN | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STATUS STAT | QUANTITY | RSV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | | RSVD | 6.00 | 114952 | SKCF2 | 114952 | 148.00 | 09-27-04 | |
| | DIODE<br>Cont from prior page. | | | | | | | PULLED: | | | |
| 27 | JANTXV1N4106UR-1<br>DIODE<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | | | | SK2 | FN-24 CR5 D30 D508 D605<br>PULLED: | 5.00 | | |
| | | | | RSVD | 4.00 | 114953 | SKCF2 | 114953<br>PULLED: | 6.00 | 09-27-04 | |
| 28 | JANTXV1N4484US<br>DIODE<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2 | FN-26 D500<br>PULLED: | 0.00 | | |
| | | | | RSVD | 1.00 | 114955 | SKCF2 | 114955<br>PULLED: | 11.00 | 09-27-04 | |
| 29 | JANTXV1N6485US<br>DIODE<br>ORIGINAL QUANTITY | EA | 1.00<br>1.00 | | | | SK2 | FN-22 CR2<br>PULLED: | 0.00 | | |
| | | | | RSVD | 1.00 | 114951 | SKCF2 | 114951<br>PULLED: | 11.00 | 09-27-04 | |
| 30 | JANTXV2N3439<br>TRANSISTOR<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | | | | SK2 | FN-01 C504 C550 Q44 Q650<br>PULLED: | 0.00 | | |
| | | | | RSVD | 4.00 | 115006 | SKCF2 | 115006<br>PULLED: | 82.00 | 09-27-04 | |
| 31 | SP62R9581602VXC<br>AC<br>ORIGINAL QUANTITY... | EA | 6.00<br>6.00 | | | | SK2 | FN-30 U1 U2 U21 U22 U561 U661<br>PULLED: | 0.00 | | |
| | | | | RSVD | 6.00 | 120302 | SKCF2 | 120302<br>PULLED: | 104.00 | 10-16-04 DRY-10 | |
| 32 | CDR32BX103BKUS<br>CAP 0.01UF 100V 10% | EA | 22.00 | | | | SK2 | FN-4 C1 C5 C9 C31 C33 C35 C37 C94 C92 C56 C71 C76 C110 C114 C115 C169 C519 C555 C558 C604 C698 C698<br>PULLED: | 0.00 | | |
| | ORIGINAL QUANTITY... | | 22.00 | | | | | | | | |
| | | | | RSVD | 22.00 | 114937 | SKCF2 | 114937<br>PULLED: | 825.00 | 09-27-04 | |
| 33 | CWR09HZ105KCB<br>CAPACITOR<br>ORIGINAL QUANTITY | EA | 4.00<br>4.00 | | | | SK2 | FN-8 C990 C997 C650 C697<br>PULLED: | 0.00 | | |
| | | | | RSVD | 4.00 | 114939 | SKCF2 | 114939<br>PULLED: | 308.00 | 09-27-04 | |
| 34 | M39010/22-0567H<br>CAPACITOR | EA | 30.00 | | | | SK2 | FN-6 C1 C2 C4 C11 C14 C35 C40 C82 C85 C86 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C180 C181 C182 C183 C184 C502 C602<br>PULLED: | 0.00 | | |
| | ORIGINAL QUANTITY ... | | 30.00 | | | | | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 6

ASSEMBLY # : LAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: WO2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | LOT INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN/LOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | | RSVD | 30.00 | 114941 | SKCF2 114941 | 450.00 | 09-27-04 | |
| | CAPACITOR | | | | | | | | | |
| | Cont from prior page. | | | | | | PULLED: | | | |
| 35 | 1210B563K251VNTM CAPACITOR | EA | 12.00 | | | | SK2 | 0.00 | | |
| | | | | | | | FN-33 C501 C508 C510 C511 C514 C540 C601 C608 C610 C611 C614 C640 | | | |
| | ORIGINAL QUANTITY... | | 12.00 | | | | PULLED: | | | |
| | | | | RSVD | 12.00 | 114802 | SKCF2 114802 | 832.00 | 09-23-04 | |
| | | | | | | | PULLED: | | | |
| 36 | RXE160 FUSE | EA | 2.00 | | | | SK2 | 0.00 | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | FN-35 F2 F3 PULLED: | | | |
| | | | | RSVD | 2.00 | 114957 | SKCF2 114957 | 46.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |
| 37 | 0902187710302VXA AT | EA | 2.00 | | | | SK2 | 0.00 | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | FN-37 U504 U604 PULLED: | | | |
| | | | | RSVD | 2.00 | 114962 | SKCF2 114962 | 45.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |
| 38 | 32786-31 INDUCTOR | EA | 12.00 | | | | SK2 | 0.00 | | |
| | ORIGINAL QUANTITY... | | 12.00 | | | | FN-39 L1 L2 L3 L4 L5 L6 L7 L10 L11 L12 L13 L14 PULLED: | | | |
| | | | | RSVD | 12.00 | 114964 | SKCF2 114964 | 210.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |
| 39 | 32763-31 INDUCTOR | EA | 2.00 | | | | SK2 | 0.00 | | |
| | ORIGINAL QUANTITY .. | | 2.00 | | | | FN-40 L501 L601 PULLED: | | | |
| | | | | RSVD | 2.00 | 114965 | SKCF2 114965 | 185.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |
| 40 | IRHNJ597034 TRANSISTOR | EA | 3.00 | | | | SK2 | 0.00 | | |
| | ORIGINAL QUANTITY... | | 3.00 | | | | FN-41 Q10 Q11 Q12 PULLED: | | | |
| | | | | RSVD | 3.00 | 114966 | SKCF2 114966 | 97.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |
| 41 | A07CSCDX001 WIRE 21GA JUMPER | EA | 15.00 | | | | SK2 | 0.00 | | |
| | | | | | | | FN-42 R23 R24 R117 R516 XR40 RG16 RG48 ZR39 ZR30 ZR09 ZR71 ZR99 ZR100 ZR101 ZR102 PULLED: | | | |
| | ORIGINAL QUANTITY ... | | 15.00 | | | | | | | |
| | | | | RSVD | 15.00 | 114917 | SKCF2 114917 | 1618.00 | 09-23-04 | |
| | | | | | | | PULLED: | | | |
| | | | | | | | 114967 | 756.00 | 09-27-04 | |
| | | | | | | | PULLED: | | | |

( NEW )

WORK ORDER : 112091 — WORK ORDER PICK LIST — PAGE: 7

ASSY # : IAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 09-01-04
LOCATION: W02 — DATE PRINTED : 09-11-04

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BIN/LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | M55342K09B1F01R RESISTOR | EA | 2.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | FN-44 | R580 R680 PULLED: | | | | |
| | | | | RSVD | 2.00 | 114828 | SKCF2 | 114828 | 44[illegible] | 09-23-04 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 114969 | 299.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 43 | M55342K06B1E21R RESISTOR | EA | 3.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 3.00 | | | | FN-46 | R9 R6 R21 PULLED: | | | | |
| | | | | RSVD | 3.00 | 114971 | SKCF2 | 114971 | 148.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 44 | M55342K06D1E37R RESISTOR | EA | 4.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | FN-47 | R29 R28 R51 R52 PULLED: | | | | |
| | | | | RSVD | 4.00 | 114972 | SKCF2 | 114972 | 151.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 45 | M55342K06B1E03R RESISTOR,CHIP,100W,1% 0603 | EA | 6.00 | RSVD | 6.00 | 91633 | SK2 | 91633 | 156.00 | 09-30-03 B60 | | |
| | ORIGINAL QUANTITY... | | 6.00 | | | | FN-48 | R17 R41 R48 R83 R552 R652 PULLED: | | | | |
| | | | | | | | SKCF2 | 114816 | 1235.00 | 09-23-04 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 114976 | 176.00 | 09-27-04 | | |
| | | | | | | | | PULLED | | | | |
| 46 | M55342K06B1F03R RESISTOR,CHIP,100W,1% 0603 | EA | 6.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 6.00 | | | | FN-49 | R506 R515 R936 R606 R610 R656 PULLED: | | | | |
| | | | | RSVD | 6.00 | 114819 | SKCF2 | 114819 | 630.00 | 09-23-04 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 114977 | 217.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 47 | M55342K09B2E00R RES,CHIP,0.00R,1%,.72W | EA | 1.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | FN-50 | R330 PULLED: | | | | |
| | | | | RSVD | 1.00 | 115091 | SKCF2 | 115091 | 137.00 | 09-28-04 | | |
| | | | | | | | | PULLED: | | | | |
| 48 | M55342K06B2E74R RESISTOR 'R' | EA | 3.00 | | | | SK2 | | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 3.00 | | | | FN-50 | R71 R75 R77 PULLED: | | | | |
| | | | | RSVD | 3.00 | 114980 | SKCF2 | 114980 | 75.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 8

ASSEMBLY # : LAT-D5-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
ENTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: WO2 — DATE PRINTED : 12-11-09

DATE PULLED: _____ PULLED BY: _____

| Lit | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | LOT INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | MSS42X0654R75R RESISTOR | EA | 2.00 | | | | SK2 FN-53 R519 R609 | 0.00 | | S19A | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | | |
| | | | | RSVD | 2.00 | 91326 | SKCF2 91326 | 67.00 | 09-24-03 | CF2C | |
| | | | | | | | PULLED: | | | | |
| | | | | | | | 114981 | 489.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 50 | MSS42K06B562R RESISTOR | EA | 1.00 | RSVD | 1.00 | 119010 | SK2 119010 FN-56 R14 | 25.00 | 11-30-04 | S7E | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | | |
| | | | | | | | SKCF2 114984 | 145.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 51 | MSS42K06B82GR RESISTOR | EA | 2.00 | RSVD | 2.00 | 84080 | SK2 84080 FN-57 R9 R10 | 12.00 | 04-10-03 | S2C | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | | |
| | | | | | | | SKCF2 114985 | 69.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 52 | MSS42K10B10FSR RESISTOR,CHIP,.10OW,10K O | EA | 21.00 | | | | SK2 FN-59 R55 R86 R87 R502 R519 R522 R550 R551 R618 R622 R650 R651 ZR44 ZR20 ZR63 ZR68 ZR95 ZR96 ZR97 ZR98 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 21.00 | | | | PULLED: | | | | |
| | | | | RSVD | 21.00 | 114830 | SKCF2 114830 | 117.00 | 09-23-04 | CF2C | |
| | | | | | | | PULLED: | | | | |
| | | | | | | | 114987 | 657.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| | | | | | | | 91324 | 58.00 | 09-24-03 | | |
| | | | | | | | PULLED: | | | | |
| 53 | CLR04BX104AMU6 CAP, .1uF,50V | EA | 32.00 | | | | SK2 FN-2 C8 C10 C29 C65 C81 C150 C156 C157 C158 C159 C160 C161 C162 C163 C164 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C220 C302 C303 C560 C659 C659 C660 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 32.00 | | | | PULLED: | | | | |
| | | | | RSVD | 32.00 | 114935 | SKCF2 114935 | 808.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 54 | CDR31BX102BKUS CAPACITOR | EA | 2.00 | | | | SK2 FN-3 C530 C630 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | | |
| | | | | RSVD | 2.00 | 114936 | SKCF2 114936 | 974.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 55 | CDR31BP102BKUS CAPACITOR | EA | 14.00 | | | | SK2 FN-4 C600 C601 C602 C603 C604 C610 C807 C611 C612 C662 C631 C632 C633 C661 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 14.00 | | | | PULLED: | | | | |
| | | | | RSVD | 14.00 | 114938 | SKCF2 114938 | 840.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 9

ASSY # : LAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 10-01-04
LOCATION: WQ2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Lin# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC NUMBER | LOT QUANTITY | LOT DATE | BIN LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | CDR33BX223BKUS CAPACITOR | EA | 4.00 | | | | SK2 FN-7 C503 C551 C603 C651 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | PULLED: | | | | |
| | | | | RSVD | 4.00 | 114940 | SKCF2 114940 | 2401.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 57 | CDR33BX473AKUS CAPACITOR | EA | 7.00 | | | | SK2 FN-9 C6 C7 C32 C36 C63 C74 C77 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 7.00 | | | | PULLED: | | | | |
| | | | | RSVD | 7.00 | 114799 | SKCF2 114799 | 1295.00 | 09-23-04 | | |
| | | | | | | | PULLED: | | | | |
| | | | | | | | 114942 | 333.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 58 | CDR31BP471BKUS CAPACITOR | EA | 4.00 | | | | SK2 FN-10 C102 C912 C961 C661 | 0.00 | | | |
| | ORIGINAL QUANTITY.. | | 4.00 | | | | PULLED: | | | | |
| | | | | RSVD | 4.00 | 115090 | SKCF2 115090 | 992.00 | 09-28-04 | | |
| | | | | | | | PULLED: | | | | |
| 59 | CKR09FC476KU9 CAPACITOR | EA | 89.00 | | | | SK2 FN-11 C11 C12 C19 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C30 C34 C38 C41 C42 C43 C44 C15 C46 C47 C48 C49 C50 C51 C52 C55 C55 C56 C57 C58 C59 C60 C61 C64 C68 C69 C71 C72 C75 C76 C79 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C103 C104 C106 C109 C111 C112 C113 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 89.00 | | | | PULLED: | | | | |
| | | | | RSVD | 89.00 | 114943 | SKCF2 114943 | 1799.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 60 | CDR31BP101BKUS CAPACITOR | EA | 4.00 | | | | SK2 FN-12 C221 C907 C607 C619 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | PULLED: | | | | |
| | | | | RSVD | 4.00 | 114944 | SKCF2 114944 | 910.00 | 09-27-04 | | |
| | | | | | | | PULLED: | | | | |
| 61 | CAMMV1N6489US DIODE | EA | 1.00 | | | | SK2 FN-25 D500 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | | |
| | | | | BO | 1.00 | | SKCF2 | 0.00 | | | |
| | | | | | | | PULLED: | | | | |
| 62 | RXE110 FUSE, POLYSWITCH | EA | 2.00 | | | | SK2 FN-33 F4 F9 | 0.00 | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | | |
| | | | | RSVD | 2.00 | 114958 | SKCF2 114958 | 46.00 | 09-27-04 | | |
| | | | | | | | PULLED | | | | |
| 63 | RHR1002201FR RESISTOR | EA | 1.00 | | | | SK2 FN-43 R22 | 0.00 | | | |
| | ORIGINAL QUANTITY | | 1.00 | | | | PULLED: | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 10

ASSEMBLY # : LAT-DS-02386 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-03
QUANTITY : 1 — RELEASE DATE : 12-01-04
LOCATION: WO2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STATUS | RSV QUANTITY | RSV IN LOT # | LOT INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | | RSVD | 1.00 | 114968 | SKCF2 | 114968 | 93.00 | 09-27-04 | |
| | RESISTOR | | | | | | | PULLED: | | | |
| | Cont from prior page. | | | | | | | | | | |
| 64 | M55342H06B1B21R RESISTOR | EA | 4.00 | | | | SK2 | | 0.00 | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | FN-45 | R10 R53 R58 R61 PULLED: | | | |
| | | | | RSVD | 4.00 | 114970 | SKCF2 | 114970 | 224.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 65 | M55342H06B2B21R RESISTOR | EA | 6.00 | | | | SK2 | | 0.00 | | |
| | ORIGINAL QUANTITY... | | 6.00 | | | | FN-51 | R37 R40 R44 R65 R66 R67 PULLED: | | | |
| | | | | RSVD | 6.00 | 114979 | SKCF2 | 114979 | 441.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 66 | M55342K00B10F0R RESISTOR | EA | 4.00 | | | | SK2 | | 0.00 | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | FN-60 | R543 R544 R643 R644 PULLED: | | | |
| | | | | RSVD | 4.00 | 114820 | SKCF2 | 114820 | 84.00 | 09-28-01 | |
| | | | | | | | | PULLED: | | | |
| | | | | | | | | 114988 | 212.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| | M55342K06B13E0R RESISTOR | EA | 3.00 | | | | SK2 | | 0.00 | | |
| | ORIGINAL QUANTITY... | | 3.00 | | | | FN-61 | R18 R35 R46 PULLED: | | | |
| | | | | RSVD | 3.00 | 114989 | SKCF2 | 114989 | 132.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 68 | M55342K06B15R0R RESISTOR,CHIP...100W,15K O | EA | 1.00 | RSVD | 1.00 | 4305 | SK2 | 4305 | 140.00 | 09-26-96 | SSP |
| | ORIGINAL QUANTITY... | | 1.00 | | | | FN-62 | R19 PULLED: | | | |
| | | | | | | | SKCF2 | 114990 | 88.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 69 | M55342K06B19E2R RESISTOR | EA | 2.00 | | | | SK2 | | 0.00 | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | FN-63 | R231 R567 PULLED: | | | |
| | | | | RSVD | 2.00 | 114991 | SKCF2 | 114991 | 132.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 72 | M55342K06B21E1R RESISTOR,20KOHMS | EA | 8.00 | RSVD | 8.00 | 17105 | SK2 | 17105 | 320.00 | 03-23-99 | SSP |
| | ORIGINAL QUANTITY... | | 8.00 | | | | FN-64 | R505 R507 R510 R525 R605 R607 R610 R625 PULLED: | | | |
| | | | | | | | | 49973 | 1000.00 | 09-28-00 | |
| | | | | | | | FN-64 | R505 R507 R510 R525 R605 R607 R610 R625 PULLED: | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 11

ASSEMBLY # : LAT-DS-02388 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 12-03-04
LOCATION: WC2 — DATE PRINTED : 03-11-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BIN / BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | | | | | SKCF2 | 114992 | 208.00 | 09-27-04 | |
| | RESISTOR,20Kohms | | | | | | | PULLED: | | | |
| | Cont from prior page. | | | | | | | | | | |
| 71 | M55342K09B22D1R | EA | 1.00 | | | | SK2 | | 0.00 | | |
| | RESISTOR | | | | | | FN-65 R511 | | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | PULLED: | | | |
| | | | | RSVD | 1.00 | 114993 | SKCF2 | 114993 | 137.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 72 | M55342K06B22E1R | EA | 5.00 | RSVD | 5.00 | 80590 | SK2 | 80590 | 33.00 | 12-15-00 | 85G |
| | RESISTOR | | | | | | FN-66 R34 R45 R512 R566 R612 | | | | |
| | ORIGINAL QUANTITY... | | 5.00 | | | | | PULLED: | | | |
| | | | | | | | SKCF2 | 80591 | 10.00 | 12-15-00 | 85G |
| | | | | | | | | PULLED: | | | |
| | | | | | | | | 114994 | 272.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 73 | M55342K06B33E2R | EA | 1.00 | | | | SK2 | | 0.00 | | |
| | RESISTOR | | | | | | FN-67 R666 | | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | PULLED: | | | |
| | | | | RSVD | 1.00 | 114995 | SKCF2 | 114995 | 134.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| -- | M55342K06B49B9R | EA | 6.00 | RSVD | 6.00 | 83542 | SK2 | 83542 | 323.00 | 03-31-03 | 81B |
| | RESISTOR,49.9Kohms | | | | | | FN-68 R27 R42 R598 R599 R698 R699 | | | | |
| | ORIGINAL QUANTITY... | | 6.00 | | | | | PULLED: | | | |
| | | | | | | | SKCF2 | 114996 | 209.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 75 | M55342K06D61E2R | EA | 1.00 | RSVD | 1.00 | 84266 | SK2 | 84266 | 17.00 | 04-16-03 | 87H |
| | RESISTOR | | | | | | FN-69 R697 | | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | PULLED: | | | |
| | | | | | | | SKCF2 | 114997 | 144.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 76 | M55342K06B10C0R | EA | 4.00 | RSVD | 4.00 | 104427 | SK2 | 104427 | 240.00 | 04-27-04 | 87H |
| | RESISTOR,CHIP,100K,100 OH | | | | | | FN-70 R502 R530 R601 R630 | | | | |
| | ORIGINAL QUANTITY... | | 4.00 | | | | | PULLED: | | | |
| | | | | | | | SKCF2 | 114822 | 3408.00 | 09-29-04 | |
| | | | | | | | | PULLED: | | | |
| | | | | | | | | 114998 | 6.00 | 09-27-04 | |
| | | | | | | | | PULLED: | | | |
| 77 | M55342K06B100B | EA | 13.00 | | | | SK2 | | 0.00 | | 89G |
| | RESISTOR,CHIP, 100K,100H | | | | | | FN-71 R6 R7 R800 R821 R825 R205 R804 R808 R207 R813 R837 R813 R897 | | | | |
| | ORIGINAL QUANTITY... | | 13.00 | | | | | PULLED: | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 12

ASSY # : LAT-D3-02988 — BY LINE ITEM — EFFECTIVITY DATE: 02-10-05
QUANTITY : 1 — RELEASE DATE : 02-11-05
LOCATION: WO2 — DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RSV IN LOT # | LOC INVLOC | NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC | QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | | RSVD | 13.00 | 114823 | SKCF2 | 114823 | 1316.00 | 09-23-04 | 090 | |
| | RES190R.CHIP,.10W,100K<br>Cont from prior page. | | | | | | | PULLED: | | | | |
| | | | | | | | | 114999 | 160.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 96696 | 40.00 | 01-05-04 | | |
| | | | | | | | | PULLED: | | | | |
| 78 | M55342K06B301DR<br>RESISTOR | EA | 1.00 | RSVD | 1.00 | 60769 | SK2<br>FN-72 | 60769<br>R50 | 25.00 | 12-20-00 | 090 | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | PULLED: | | | | |
| | | | | | | | SKCF2 | 91325 | 84.00 | 09-24-03 | CF20 | |
| | | | | | | | | PULLED: | | | | |
| | | | | | | | | 115000 | 47.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 79 | D55342K07B402BR<br>RES, 402K, 1/4W, 1% | EA | 1.00 | RSVD | 1.00 | 84272 | SK2<br>FN-73 | 84272<br>R532 | 20.00 | 04-15-03 | 020 | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | PULLED: | | | | |
| | | | | | | | | 2714 | 10.00 | 09-26-98 | | |
| | | | | | | | FN-73 | R532<br>PULLED: | | | | |
| | | | | | | | SKCF2 | 115001 | 93.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| | D55342K07B511BR<br>RESISTOR | EA | 10.00 | | | | SK2<br>FN-74 | 0.00<br>R531 R553 R554 R555 R631 R632 R633 R653 R654 R655 | | | | |
| | ORIGINAL QUANTITY... | | 10.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 10.00 | 115002 | SKCF2 | 115002 | 300.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 81 | M55342K06B549DR<br>RESISTOR | EA | 2.00 | | | | SK2<br>FN-75 | 0.00<br>R122 R142 | | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 2.00 | 115003 | SKCF2 | 115003 | 480.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 82 | S311P18-0987R6<br>THERMISTOR, 10K | EA | 2.00 | | | | SK2<br>FN-79 | 0.00<br>R1 R2 | | | | |
| | ORIGINAL QUANTITY | | 2.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 2.00 | 115004 | SKCF2 | 115004 | 40.00 | 09-27-04 | | |
| | | | | | | | | PULLED: | | | | |
| 83 | JANTXV2N2222ALB<br>TRANSISTOR NPN | EA | 21.00 | | | | SK2<br>FN-80 | 0.00<br>Q1 Q2 Q4 Q6 Q20 Q21 Q22 Q23 Q24 Q26 Q27 Q501 Q502 Q503 Q505 Q508 Q601 Q602 Q603 Q605 Q608 | | | | |
| | ORIGINAL QUANTITY | | 21.00 | | | | | PULLED: | | | | |
| | | | | RSVD | 21.00 | 120303 | SKCF2 | 120303 | 420.00 | 12-16-04 | | |
| | | | | | | | | PULLED: | | | | |

( NEW )

WORK ORDER : 112061 — WORK ORDER PICK LIST — PAGE: 13

ASSEMBLY # LAT-09-02388 — BY LINE ITEM
QUANTITY : 1
LOCATION: WO2

EFFECTIVITY DATE: 08-10-05
RELEASE DATE : 10-01-04
DATE PRINTED : 02-11-05

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CWAR | STAT | QUANTITY | RESV ON LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | LIFE | BIN | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 2ANTXV2N2907AUB TRANSISTOR | EA | 2.00 | | | | | SK2 | | 0.00 | | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | | FN-82 | 0599 0699 PULLED: | | | | | |
| | | | | | RSVD | 2.00 | 115007 | SKCF2 | 115007 | 82.00 | 09-27-04 | | | |
| | | | | | | | | | PULLED: | | | | | |
| 85 | M55342K05B4E30R RESISTOR | EA | 2.00 | | | | | SK2 | | 0.00 | | | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | | FN-54 | R519 R619 PULLED: | | | | | |
| | | | | | RSVD | 2.00 | 114982 | SKCF2 | 114982 | 219.00 | 09-27-04 | | | |
| | | | | | | | | | PULLED: | | | | | |
| 86 | M55342K06B9E11R RESISTOR | EA | 2.00 | RSVD | | 2.00 | 60670 | SK2 | 60670 | 44.00 | 09-07-01 | 999 | | |
| | ORIGINAL QUANTITY... | | 2.00 | | | | | FN-55 | R506 R608 PULLED: | | | | | |
| | | | | | | | | | 83259 | 9.00 | 03-19-03 | | | |
| | | | | | | | | FN-55 | R508 R608 PULLED: | | | | | |
| | | | | | | | | SKCF2 | 114929 | 304.00 | 09-23-04 | | | |
| | | | | | | | | | PULLED: | | | | | |
| | | | | | | | | | 114983 | 232.00 | 09-27-04 | | | |
| | | | | | | | | | PULLED: | | | | | |
| 87 | M55342K09B10D0R RESISTOR | EA | 1.00 | | | | | SK2 | | 0.00 | | | | |
| | ORIGINAL QUANTITY... | | 1.00 | | | | | FN-56 | R611 PULLED | | | | | |
| | | | | | RSVD | 1.00 | 114986 | SKCF2 | 114986 | 237.00 | 09-27-04 | | | |
| | | | | | | | | | PULLED: | | | | | |

CRANE AEROSPACE & ELECTRONICS General Technology Corporation

# CONFORMAL COATING DATA SHEET

CCA P/N: LAT-DS-02388 GLAT1778 GT108

W.O. #: 112061

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

Date: 5/02/05

## MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

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

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

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

# REWORK TRAVELER

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

| APPROVAL | | | | | | | |
|---|---|---|---|---|---|---|---|
| G.POZZI | 4-28-05 | G.HEFKIN | | K. BERGTHOLDT | | P. LUJAN | 4.28.05 |
| PREPARED BY | DATE | ENG MGR | DATE | QA MGR | DATE 4/28/05 | SLAC SOURCE | DATE |

| STEP | OPERATION | Operator Sign Off. | Date | Time spent |
|---|---|---|---|---|
| 1 | Record serial numbers: __ TPS LAT-DS-02388 SN GT-108 GLAT-1778 | ETC 1298 Byp | 04/28/05 | |
| 2 | OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40.<br>CURE PER INSTRUCTION IN STEP 40 | PO 1946 | 4/28/05 | |
| 3 | INSPECTION: ~~INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.~~ INSPECT BONDING | | 4/28/05 | |
| | SOURCE INSPECTION | LAT 10 QA | 4/28/05 | |
| | | | | |
| | | | | |
| | | | | |

# REWORK TRAVELER

| SO NO: F17300 | PART NO: SLAC LAT-DS-02388 TPS | REV: 57 |
|---|---|---|
| ASSEMBLY NAME: SLAC CCA'S | | QTY: ALL |

| APPROVAL | | | | | | | |
|---|---|---|---|---|---|---|---|
| G. POZZI 4-22-05 | | G. HEFKIN 4.22.05 | | BERGTHOLT 4/21/05 | | P. LUJAN 4.21.05 | |
| PREPARED BY | DATE | ENG MGR | QA MGR | PROD MGR | DATE | SOURCE | DATE |

| STEP | OPERATION | Operator Sign Off. | Date | Time spent |
|---|---|---|---|---|
| | NCMR 2305 **REMOVE AND REPLACE Q10, Q11, AND Q12** | | | |
| 1 | Record serial numbers: TPS LAT-DS-02388 SN's GT- 108 , GLAT- 1778 | BMP | 04/22/05 | |
| 2 | **OPERATOR:**<br>REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS<br><br>PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG.<br>KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER. | GTC 1288<br><br>GTC 1288<br><br>GTC 1288 | 04/23/05<br><br>04/23/05<br><br>04/23/05 | |
| 3 | **OPERATOR:**<br>VERIFY PADS HAVE NO DAMAGE. | GTC 1256 | 04/23/05 | |
| 3 | **OPERATOR:**<br><br>SOLDER Q10. Q11. AND Q12 ONTO BOARD<br>USE THE METCAL SOLDERING IRON WITH A .5 " BLADE TIP. | GTC 1096 | 04/23/05 | |
| 4 | **OPERATOR:**<br>HAND CLEAN BOARDS USING ALCOHOL. | [illegible] | 04/23/05 | |
| 5 | **INSPECTION:**<br>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS | [illegible] | 4/25/05 | |
| 6 | **SOURCE INSPECTION** | LAT 10 QA | 4/26/05 | |
| | | | | |

# REWORK TRAVELER

| SO NO: F17300 | PART NO: LAT-DS-02388 TPS | REV: 57 |
|---|---|---|
| ASSEMBLY NAME: SLAC TPS | | QTY: 19 |

| 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. | | | |
| 1 | Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792__<br>Serial Number GT108 GLAT 1778 | GTC 1258 BJP | 04/25/05 | |
| 2 | REMOVE ALL CABLE TIE WRAPS ON HARNESSES. | GTC 592 AMD. | 04/25/05 | |
| 3 | REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7". | GTC 592 AMD. | 04/25/05 | |
| 4 | TRIM CABLE TIES FLUSH TO THE STRAP HEAD<br>ADD A DROP OF ADHESIVE TO THE CUT STRAP SO THAT THE ADHESIVE FLOWS DOWN INTO THE LOCKING MECHANISM.<br>USE HYSOL 0151 ADHESIVE (REFER TO CAA LAT-DS-02388 FOR MIX INSTRUCTIONS | GTC 592 AMD, | 04/25/05 | |
| 5 | Hysol 0151 data:<br>DATE MIXED 04-25-05 Expiration Date 01-31-07 PO # 31403 | GTC 592 AMD | 04/25/05 | |
| 6 | Inspection | | 4/26/05 | |
| 7 | Source Inspection | LAT TO QA | 4/26/05 | |
| | | | | |

# REWORK TRAVELER

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

| ASSEMBLY NAME: TPS CCA | QTY: 1 |
|---|---|

Original signed edition RESERVED for copying. SLAC

| APPROVAL | | | | | | | |
|---|---|---|---|---|---|---|---|
| G.POZZI | | G.HEFKIN | | K. BERGTHOLDT | | P. LUJAN | |
| 4-18-05 | | 4-18-05 | | 4/18/05 | | 4-18-05 | |
| PREPARED BY | DATE | ENG ~~MGR~~ SUP. | DATE | QA ~~MGR~~ ENG. | DATE | SLAC SOURCE | DATE |

| STEP | OPERATION | Operator Sign Off. | Date | Time spent |
|---|---|---|---|---|
| 1 | Record serial numbers: __ TPS LAT-DS-02388 SN GT- 108 GLAT- 178 | ETC 1288 BVP | 04/25/05 | |
| 2 | **OPERATOR:** INSPECT FOR CLEANLINESS AND DEBRIS<br>USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER.<br>PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS.<br>VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED.<br>**NO SOLDER BALLS ALLOWED.** | ETC 1288 BVP | 04/25/05 | |
| 3 | AQUEOUS CLEAN USING RECIPE #3 | ETC 1288 BVP | 04/25/05 | |
| 4 | **INSPECTION:** INSPECT FOR BOARD CLEANLINESS. **NO SOLDER BALLS ALLOWED.** | ETC QA | 4/26/05 | |
| 5 | **SOURCE INSPECTION** | LAT 10 QA | 4/26/05 | |
| | | | | |
| | | | | |
| | | | | |

# DEFECT RECORD REPORT

ID: 29576

PART NUMBER: LAT-DS-02388
WORK ORDER: 112061
SALES ORDER: F17300
QUANTITY: 1 RW QTY: 1
CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW
INSPECTION LEVEL: I
INSPECTOR: EMARTINEZ

OFE SOLDER: 1421
OFE ASSEMBLY: 786
DATE: 2/23/2005
WEEK CODE: 10

| SERIAL NO. | QUANTITY | OPERATOR | DEFECT CODE | WORKCELL | DEFECT DESCRIPTION | REF DES | PIN NOTES |
|---|---|---|---|---|---|---|---|
| 108 | 4 | 1858 | A342 | | > 25% OVERHANG | L13,2,10 | L14 |

02/23/05 Reworked by BYP. 02/23/05

Cleaned in Aqueous 02-23-05

2-23-05

2/23/05

# DEFECT RECORD REPORT

ID: 31236

PART NUMBER: LAT-DS-02388
WORK ORDER: 112061
SALES ORDER: F17300
QUANTITY: 1 RW QTY: 1
CUSTOMER: SLAC

INSPECTION TYPE: COATING
INSPECTION LEVEL: I
INSPECTOR: EMARTINEZ

OFE SOLDER:
OFE ASSEMBLY:
DATE: 5/3/05
WEEK CODE: 20

| SERIAL NO. | QUANTITY | OPERATOR | DEFECT CODE | WORKCELL | DEFECT DESCRIPTION | REF DES | PIN NOTES |
|---|---|---|---|---|---|---|---|
| GT108 | 1 | 1035 | A309 | 1-BIG RUNNER | INSUFFICIENT COATING / POTTING / BONDI | | |

touch up
coating in area 10:30 to 11:30

5/3/05

WORK CELL: 4-MIXED  CUSTOMER: SLAC

T  PRODUCTION  WORK ORDER TRAVELLER - NEW

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

WO# 112044  PAGE 1
REQ DATE 02-08-05
REL.DATE 02-02-05
SO#
PO#  0000048800
CUST P#
QTY 19
PROJECT# F17300
CUST# 18356

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

-APPROVAL-
PROD: [illegible] 2/8/05
QA [illegible] 2-9-05

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

| LOT NO. | LOT QTY | SERIAL NUMBERS | SEQ NO. | REASON | APPRV & DATE |
|---|---|---|---|---|---|
| A (A1) | 15 | N/A | 3 | | YMM 2/8/05 |
| B | 4 | N/A | 3 | To mark. | YMM 2/8/05 |
| A2 | 2 | N/A | 6 | To move | YMM 3/18/05 |
| A1B | 2 | N/A | 7 | To move | YMM 3/28/05 |
| A1A2 | 6 | N/A | 7 | To move | YMM 3/31/05 |

-(wohdr rev 05.10.04 glh)-----

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

400 00 CONFIG RECORD/KITTING CONFIG 0.0000 0.0000 0.0000

CONFIGURATION DOCUMENTS

| DOCUMENT NUMBER | REV | FD/FL | OUTSTANDING EO'S |
|---|---|---|---|
| ASSY & PL: LAT-DS-02831 | | 02 | NONE |

(REFERENCE ASSY/PL LAC-DS-02388 FOR RTV APPLICATION ROTI
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC

BUILD DOCUMENTS

USE... TRAVELER AND DRAWING

-(REV'D)/PREP'D BY: GH  (DATE)DATE: 02.03.05-

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| | | | |
| 2-9-05 | | | |
| | | | |

ESD SENSITIVE

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



PN# LAC-DS-028331-01
Assy, CABLE, TPS G/P PWR

WO# 112044
SEQ DATE 02-08-05
REL.DATE 02-02-05
GO#
PO# 0000048800

CUST P#
QTY 19
PROJECT# F17305
CUST# 18356

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

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 2/9/05 | 19 | | |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

A  PN# LAT-DS-02831-01  WO# 112044  PAGE 3
ASSY, CABLE, IPS O/P PWR  REQ DATE 02-08-05  CUST P#
REL.DATE 02-02-05  QTY 19
SO#  PROJECT# F17300
PO# 0000068600  CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|
| 3 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>CUT WIRE, STRIP WIRE,<br>CRIMP SOCKET CONTACTS,<br>TIN LEADS. | 0.0000 | 0.0000 | 0.0000 |

* CRIMP TEST SETUP - GTC-2081.

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

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

... USE ~~SCHLEUNIGER~~ INFIMATIC WIRE STRIPPER SET UP WITH 24 AWG STRIP BLADES, A STRIP LENGTH OF ~~[illegible]~~ 7/16 (.438") AND LEAVES THE INSULATION SLUG IN PLACE.

350
EVBmms small model #4900-am

* PRE-ASSY CRIMP TEST...

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

CRIMP TEST: BY: RM1970 DATE: 2/16/05 STATUS Pass Crimp Tensile Strength paper attached RM1970

* ASSEMBLY ACTIVITY...

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

2) STRIP THE INSULATION LEAVING THE SLUG. ~~Mic (.188")~~ 3/16 (.188) 2-15-05

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

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

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

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

6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD. USE M22520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.

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

Y: 41

* POST-ASSY CRIMP TEST...

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

CRIMP TEST: BY: RM1970 DATE: 2/16/05 STATUS Pass

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/15/05 | 4 | 78 wires x 4 = 312 | RM1970 |
| 3.17.05 | 2 | 156 wires | |
| ~~3/16/05~~ | ~~4~~ | ~~pcs~~ | 0.0 |

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

ASSY# LAT-DS-02891-01 WO# 112046 PAGE 4
ASSY. CABLE, TPS O/P PWR REQ DATE 02-09-05 CUST P#
REL.DATE 02-02-05 QTY 10
SO# PROJECT# P17300
PO# 0000048800 CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPS: SLDR-78 ASSY-312 | 0.0000 | 0.0000 | | 0.0000 |

* 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~~ | ~~H.G. #1441~~ |
| 3/17/05 | 2 | Strip & crimps | checked strips 3.25.05 |
| | | Strips Crimps & Tin Beams | Checked crimps & Tin |
| | | | Checked wires for tinning 3.25.05 (6) H.G. #1441 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSERT WIRE/CONTACTS<br>TO CONNECTOR | 0.0000 | 0.0000 | | 0.0000 |

* INSERT TERMINATED WIRES TO CONNECTOR IN ALL POSITIONS.

...ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/17/05 | 4 | | RM 1970 |
| 3.17.05 | 2 | | H.G. #1441 |
| 3.24.05 | 2 | | H.G. #1441 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 6 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPS: SLDR-0 ASSY-78 | 0.0000 | 0.0000 | | 0.0000 |

* 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

7 PRODUCTION  WORK ORDER TRAVELLER - NEW

ASS'Y/PN# LAT-DS-02831-01
ASSY, CABLE, TPS C/P PWR

WO# 112044  PAGE 5
REQ DATE 02-08-05  CUST P#
REL.DATE 02-02-05  QTY 19
SO#  PROJECT# P17300
POT 0000049800  CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 7 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>POT WIRES AT CONNECTOR. | 0.0000 | 0.0000 | | 0.0000 |

- APPLY RTV, DC6-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").
- TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
- APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:

PO# 31695  EXP. DATE 07/10/05

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

DATE _____ START _____ STOP _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/24/05 | 2 | | Pm1262 |
| 32805 | 6 | same lot of RTV used as above | H.G #1941 |
| 4/22/05 | 6 | | Pm1262 |

| 8 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPS: SLDR-0 ASSY-7 | 0.0000 | 0.0000 | | 0.0000 |
|---|---|---|---|---|---|---|---|---|

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

DRR#(S) _____

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/22/05 | 5 | | QA 18 CTD |
| | | | |
| | | | |

( NEW )

WORK ORDER : 112044 — WORK ORDER PICK LIST — PAGE: 1

ASSY # : LAT-DS-02831-01 — BY LINE ITEM
W. QUANTITY : 19
W/O LOCATION: WO2

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

DATE PULLED: _____ PULLED BY: _____

| Lit# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 206505-1<br>CONN (331P407-55-B-15)<br>ORIGINAL QUANTITY... 19.00 | EA | 1.00 | BO | 19.00 | | SKCF2<br>FN-1<br>PULLED: | 0.00 | | |
| | The following parts have been defined as alternates for 206505-1:<br>Lit# 1.1 331P407-55-B-15 1 PER<br>Partial quantity replacements are allowed. | | | | | | | | | |
| 2 | M22759/11-24-9<br>WIRE, 24AWG, WHITE<br>ORIGINAL QUANTITY... 16340.00 | IN | 860.00 | RSVD | 16340.00 | 115299 | SKCF2<br>FN-3<br>PULLED: | 34056.00 | 10-01-04 | LOT1152 |
| 3 | 206071-1<br>CONTACT (206071-1)<br>ORIGINAL QUANTITY... 510.00 | EA | 26.84 | BO | 510.00 | | SKCF2<br>FN-2<br>PULLED: | 0.00 | | |
| | The following parts have been defined as alternates for 206071-1:<br>Lit# 3.1 G08S1 1 PER<br>Partial quantity replacements are allowed. | | | | | | | | | |
| 3.1 | G08S1<br>CONTACT (206071-1)<br>ORIGINAL QUANTITY... 972.00 | EA | $1.16 | RSVD | 972.00 | 115021 | SKCF2<br>FN-2<br>PULLED: | 972.00 | 09-27-04 | |
| | 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. | | | | | | | | | |
| 4 | DC6-1104<br>ADHESIVE<br>ORIGINAL QUANTITY... 19.00 | OZ | 1.00 | BO | 19.00 | | SKCF2<br>REQUIREMENT SHOWS ON LAT-DS-02838.<br>APPLY HERE.<br>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 MARMON / 1970 | | TEST DATE |
| CONTACT PN: | 206071-1 | | 2-16-05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A830) | | RHODA MARMON |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC-A834) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112044 |
| TEST EQUIP # (Last CAL date): | ALPHATRON MP 2007 (6-17-05) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | | No. 2 | | No. 3 | |
|---|---|---|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | | 10 | | 10 | |
| MEASURED TENSILE STRENGTH: | 13.5 | | 13.8 | | 13.6 | |
| 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 rqd):

1000

# CRIMP TENSILE STRENGTH

LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

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

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 13.7 | 13.6 | 13.6 |
| PASS/FAIL (circle test result) | (PASS) FAIL | (PASS) FAIL | (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 rqd):

7:15 a.m.

# CRIMP TENSILE STRENGTH CAT-AS-02831-01

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | (PRE) - PROD | POST - PROD | |
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1 # 1941 | | TEST DATE |
| CONTACT PN: | 20607-1 | | 3.17.05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC# 1012) | | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC# 1490) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112044 |
| TEST EQUIP # (Last CAL date): | Alpha Tran MPT-200A (6-17-04) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 12.4 | 12.9 | 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 rqd):

1:10 P.M.

# CRIMP TENSILE STRENGTH CAT-6

MIL-STD-1344; METHOD 2003.1

| | | |
|---|---|---|
| TEST TYPE (circle one): | (PRE) - PROD | POST |
| CRIMP OPERATOR NAME/EMP #: | Herbie Guy 1#1941 | |
| CONTACT PN: | 20607H-1 | |
| WIRE PN: | M22759/11-24-9 | |
| CRIMP TOOL PN (GTC Tool #): | M22520/201 (GTC#1012) | Herb |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC#692) | WORK O |
| SELECTOR VALUE: | 3 | 11704 |
| TEST EQUIP # (Last CAL date): | Alpha Tra MPT-200A (6-17-04) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 13.4 | 13.3 | 13.1 |
| PASS/FAIL (circle test result) | (PASS) FAIL | (PASS) FAIL | (PASS) |
| | Type of Separation Obse | | |
| SLIP (pull out) {a} | | | |
| CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b} | | ✓ | t |
| 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 rqd):

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 #: | Debra M 1# 1262 | | TEST DATE |
| CONTACT PN: | 70671-1 | | 3.16.05 |
| WIRE PN: | M22759 / 11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC# 1011) | | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC A833) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 117044 |
| TEST EQUIP # (Last CAL date): | Hudson MFT-200# (6/04) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

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

10:36 a.m.

for build of (E)

# CRIMP TENSILE STRENGTH CH-AS-02831-01

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | (POST) - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1# 1941 | TEST DATE: 3.18.05 |
| CONTACT PN: | 70671-1 | TESTED BY: Herbie Gray |
| WIRE PN: | M22759/11-24-9 | WORK ORDER NO.: 112044 |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC 1402) | |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC 1692) | |
| SELECTOR VALUE: | 3 | |
| TEST EQUIP # (Last CAL date): | Alcoton MPT200A (6/04) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

11:00 a.m.

Build of (12)

# CRIMP TENSILE STRENGTH CAT-DS-02381-01

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | (PRE) - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Hobie Gray 1# 1441 | TEST DATE |
| CONTACT PN: | 206071-1 | 3.22.05 |
| WIRE PN: | M22759/11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC# 1022) | Hobie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC# 553) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 112044 |
| TEST EQUIP # (Last CAL date): | Alpha MP-7004 (6704) | |
| 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) | (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 rqd):

# CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Hattie Gray 1#1941 | TEST DATE |
| CONTACT PN: | 70671-1 | 3.23.05 |
| WIRE PN: | M22759 / 11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520 / 7-01 (GTC# 1012) | Hattie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520 / 7-06 (GTC# 933) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 120444 |
| TEST EQUIP # (Last CAL date): | Alpha Tech 2001 (6/04) | |
| 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: | 13.1 | 13.7 | 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 rqd):

# CRIMP TENSILE STRENGTH Assy-LA1-D3-0283-01

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | (POST - PROD) |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Martha Villa / 1742 | TEST DATE |
| CONTACT PN: | 206071-1 | 4-26-05 |
| WIRE PN: | M22759/11-24 9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-4833) | Martha Villa |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-06 (GTC# 833) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 112041 |
| TEST EQUIP # (Last CAL date): | 7-6-05 ( ) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

# 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 / 1748 | | TEST DATE |
| CONTACT PN: | 204071-1 | | 4-20-05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A833) | | Martha Villa |
| DIE/LOCATOR PN (GTC Tool #): | M22520-2-06 (GTC-A833) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112044 |
| TEST EQUIP # (Last CAL date): | 7-6-05 ( ) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELER NEW

A N# LAT-DS-02830-01 WO# 112043 PAGE 1
Assy, Comml, TDS I/F PWB REQ DATE 02-09-05 CUST P#
REL.DATE 02.03.05 QTY 10
SO# PROJECT# P17300
PO# 0000048800 CUST# 15356

*SERIAL NUMBER LISTING:* N/A

APPROVAL
PROD: [illegible] 2/8/05
QA: [illegible] 2.9.05

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

| LOT NO | LOT QTY | SERIAL NUMBERS | SEQ NO | REASON | APPRV &DATE |
|---|---|---|---|---|---|
| A | 13 15 | N/A | 6 | | mm 3/1/05 |
| B | 4 | N/A | 6 | To move. | mm 3/1/05 |
| A2 | 2 | N/A | 6 | To move | mm 3/1/05 |

*(wchdr rev 05.19.04 glh)*

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | LINE-MACH | ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 200 | | | 00 | CONFIG RECORD/KITTING CONFIG | | 0.0000 | 0.0000 | 0.0000 |

CONFIGURATION DOCUMENTS

| | DOCUMENT NUMBER | REV | FD/PL | OUTSTANDING EO'S |
|---|---|---|---|---|
| ASSY & PL: | LAT-DS-02830 | | 53 | NONE |

(REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION ROT)
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC

BUILD DOCUMENTS
USE... TRAVELER AND DRAWING

*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.03.05*

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2.9.05 | | | |

ESD SENSITIVE

WORK CELL: 4-MIXED CUSTOMER: SLAC

T' PRODUCTION WORK ORDER TRAVELLER - NEW



ASSY/PN# IAT-DS-02830-01
ASSY. CABLE, TPS I/F PWR

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

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

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

DATE 2/9/05 QTY 19 REMARKS STATUS

WORK CELL: 4-MIXED  CUSTOMER: SEAT

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

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

WO# 112043  PAGE 3
REQ DATE 02-09-05  CUST P#
REL.DATE 02-03-05  QTY 10
SO#  PROJECT# F17300
PO# 0000048800  CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>CUT WIRE, STRIP WIRE,<br>CRIMP PIN CONTACTS,<br>TIN LEADS. | 0.0000 | 0.0000 | | 0.0000 |

***** 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 POS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

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

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

ECKAMPS SMALL MODEL #4900-

* PRE-ASSY CRIMP TEST...

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

CRIMP TEST: BY: RM1970 DATE: 2/17/05 STATUS Pass

* ASSEMBLY ACTIVITY...

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

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

* POST-ASSY CRIMP TEST...

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

CRIMP TEST: BY: 2/18/05 DATE: RM1970 STATUS Pass

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/18/05 | 4 | 4 sets of 10 40 | RM1970 |
| 3/8/05 | 1 | 1 set of 10 = 10 (Rework) | CVD 1920 |
| 3/13/05 | 2 | 2 set of 10 | MV, DM, MM-168 |

3-16 a.)-4 — set of 10 MV 1743
3/16/05 4 sets of 10 slip only

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW



ASSY/PN# IAT-DS-02830-01
ASSY, CABLE, TPS I/F PWR

WO# 112043
REQ DATE 02-09-05
REL.DATE 02-09-05
SO#
PO# 0000048800
CUST P#
QTY 17
PROJECT# F17300
CUST# 18356

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
OPE: SLDR-20 ASSY-#0

* INSPECT WIRE COUNT, STRIPS, CRIMPS, TINNING, AND CLEANING.

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

DRR#(S) _____

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 2/22/05 | 40/32 | | |
| 3/2/05 | 10 | Restripped ok's | SLV |

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

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

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

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

ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3.8.05 | 1/2 | complete | I.T. #1941 |
| 3.15.05 | 1/2 | complete | I.T. #1941 |

WORK CELL. 4-MIXED  CUSTOMER: SLAC

7 PRODUCTION  WORK ORDER TRAVELLER - NEW



ASSY/PN# LAT-DS-02330-01
ASSY. CABLE, TFS I/F PWR

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

Clear Defect Report #295 for 8 wires
MA Boggi 2-25-05

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 6 | 230 | | 00 | QUALITY ASSURANCE AREA<br>CFE: SLDR-0 ASSY-26 | 0.0000 | 0.0000 | | 0.0000 |

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

DRR#(S) _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/8/05 | 1 | | KH.285 |
| | | | |
| 3/9/05 | 3 | | |
| 3/14/05 | 2 | | |

3-14-05 22 11 pin Crimps end trimmed length

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 7 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>POT WIRES AT CONNECTOR. | 0.0000 | 0.0000 | | 0.0000 |

* APPLY RTV, DC6-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (1.5").
* TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
* ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.
* APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
* RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:

PO# 31695 EXP. DATE 7-10-2005 air cured overnight. MC 3-17-05

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

DATE _____ START _____ STOP _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-16-05 | 2 | | ME/Dm 1262 |
| | | | |
| | | | |

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



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

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

ITEST P#
QTY 10
PROJECT# F17300
CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| # 290 | | | 00 | QUALITY ASSURANCE AREA<br>OPE: SLCR-0 ASSY-7 | 0.0000 | 0.0000 | | 0.0000 |

* INSPECT POTTING/CURING OF LEAD ASSEMBLY.

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

DRR#(S) _____

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

| DATE | QTY.. | REMARKS | STATUS |
|---|---|---|---|
| 3/17/05 | 2 | | GTC 18 QA |
| | | | |
| | | | |

( NEW )

WORK ORDER : 112043

WORK ORDER PICK LIST

PAGE: 1

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

BY LINE ITEM

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

DATE PULLED: _____

PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | RSVD QUANTITY | RSV'D IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | LOT BIN | BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 206500-1<br>CONN, (311P407-2P-B-15)<br>ORIGINAL QUANTITY... | EA | 1.00<br>19.00 | BO | 19.00 | | SKCF2<br>FN-1 | PULLED: | 0.00 | | | |
| | The following parts have been defined as alternates for 206500-1: | | | | | | | | | | | |
| | LI# 1.1 311P407-2P-B-15 | | | | 1 PER | | | | | | | |
| | Partial quantity replacements are allowed. | | | | | | | | | | | |
| 2 | M22759/11-24-2/9<br>WIRE, 24AWG RED/WHIT<br>ORIGINAL QUANTITY... | IN | 300.00<br>5700.00 | RSVD | 5700.00 | 115300 | SKCF2<br>FN-2 | 115300<br>PULLED: | 11997.00 | 10-01-04 | | |
| 3 | 204370-8<br>PIN, CRIMP<br>ORIGINAL QUANTITY... | EA | 20.00<br>380.00 | RSVD | 380.00 | 114796 | SKCF2<br>FN-3 | 114796<br>PULLED: | 401.00 | 09-23-04 | IN ASSY | |
| | | | | | | | FN-3 | 115041<br>PULLED: | 17200 | 09-27-04 | F17200 | |
| | The following parts have been defined as alternates for 204370-8: | | | | | | | | | | | |
| | LI# 3.1 G58P1 | | | | 1 PER | | | | | | | |
| | Partial quantity replacements are allowed. | | | | | | | | | | | |
| 4 | DC6-1104<br>ADHESIVE<br>ORIGINAL QUANTITY... | OZ | 1.00<br>19.00 | BO | 19.00 | | SKCF2<br>REQUIREMENT SHOWS ON LAT DS-02838.<br>APPLY HERE.<br>PULLED: | | 0.00 | | | |

Assy

# CRIMP TENSILE STRENGTH LAT-DS-08230-01

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | PRE - PROD | (POST - PROD) | |
| CRIMP OPERATOR NAME/EMP #: | Martha Villa / 1717 | | TEST DATE |
| CONTACT PN: | 2043 10-8 | | 3-16-05 |
| WIRE PN: | M22759/11-24-9/9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A 1014) | | 1120 43 |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-01 (GTC-AB 311) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | Martha Villa |
| TEST EQUIP # (Last CAL date): | ( ) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | | No. 2 | | No. 3 | |
|---|---|---|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10.0 | | 10.0 | | 10.0 | |
| MEASURED TENSILE STRENGTH: | 12.0 | | 12.5 | | 12.4 | |
| PASS/FAIL (circle test result) | (PASS) | FAIL | (PASS) | 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 rqd):

Assy # LAT-DS-02830-01

# CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | PRE - PROD | POST - PROD | |
| CRIMP OPERATOR NAME/EMP #: | Martha Villa / 1117 | | TEST DATE |
| CONTACT PN: | 2043710-8 | | 5-11-05 |
| WIRE PN: | M22759/11-24-9/9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A1017) | | Martha Villa |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-01 (GTC-A87) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 11.2013 |
| 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 rqd):

# DEFECT RECORD REPORT

ID 29547

PART NUMBER: LAT-DS-02830-01
WORK ORDER: 112043
SALES ORDER: F17300
QUANTITY: 40 RW QTY: 8
CUSTOMER: SLAC

INSPECTION TYPE: CRIMPING
INSPECTION LEVEL: I
INSPECTOR: VANDEVER
WORK CELL: 4-MIXED

OFE SOLDER: 7
OFE ASSEMBLY: 80
DATE: 2/22/2005
WEEK CODE: 10

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

WORK CELL: 1-BIG BENDER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELER - NEW

W/O# 113109 PAGE 1
P/N# LAT-DS-01481 REQ DATE 04-29-05 CUST P#
REV, DIAGT, DAQ, ITM REL.DATE 04-04-05 QTY 2
SCT F17200 PROJECT# F17200
PO# 0000048799 CUST# 19356

SERIAL NUMBER ----------

GT108 GLAT1797

APPROVAL:
PROD RLH 4/27/05
QA 4.27.05

WORKMANSHIP:
IPC/EIA-J-STD-001C CLASS 3. WITH "DS" SPACE SUPPLEMENT

SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE
IF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC QAR MAY
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

rgln 09.29.04

| ITM | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 1 | 300 | | 00 | CONFIG RECORD/KITTING CONFIG | 0.0000 | 0.0000 | | 0.0000 |

CONFIGURATION DOCUMENTS

| | DOCUMENT NUMBER | REV | FO/FC | OUTSTANDING ECO'S |
|---|---|---|---|---|
| ASSY DWG: | LAT-DS-01481 | E4 | | NONE |
| BOM FLT: | (SAME - ON DWG) | | | |
| COST BOM: | LAT-PS-02615 | D3 | | NONE |
| ESS TEST: | (N/A THIS LEVEL) | | | |
| ASSY AID: | LAT-DS-01491 | - (RELEASED PER FC 0406) | | |

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

BUILD DOCUMENTS

USE....WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

*** See FOOTER OF WORK ORDER FOR REV HISTORY ***

| DATE.... | QTY.. | REMARKS | STATUS |
|---|---|---|---|
| 4-27-05 | | | |

| ITM | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 2 | 201 | | 01 | STOCKROOM/KITTING AREA KITTING | 0.0000 | 0.0000 | | 0.0000 |

* PROCESS MATERIAL PER CAA STEP 2.

| DATE.... | QTY.. | REMARKS | STATUS |
|---|---|---|---|
| 4/28/05 | 1 | | |

ESD SENSITIVE

WORK CELL: 1 BIG RUNNER CUSTOMER: GLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



WO# 113109
REQ DATE 04-29-05
REL.DATE 04-01-05
SO# F17200
PO# 0000048799
CUST P#
QTY 1
PROJECT# F17200
CUST# 15355

ASY/PN# LAT-DS-31451
ASSY. GLASS. DRQ. TSM

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN. | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>APPLY ADHESIVE | 0.0000 | 0.0000 | 0.0000 | |

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

OTC PO# 31450 EXP. DATE 5-17-05
LOT #'S: (PT A) 32775 (PT B) 32775
MIX RECORD (PART A WGT): 30g (PART B WGT): 2g

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 4-29-05 | 1 | | AP |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN. | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>LOG CCA SN TO WORK ORDER<br>CHASE SCREW THREADS<br>INSTALL CCA TO BOX | 0.0000 | 0.0000 | 0.0000 | |

- PROCESS ASSY PER CAA STEP 4.

INSTALLED CCA SERIAL NUMBER: GT-108

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 4-29-05 | 1 | | KH |
| | | | |
| | | | |

| Lit | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN. | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 5 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>TORQUE FASTENERS. | 0.0000 | 0.0000 | 0.0000 | |

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

TORQUE TOOL # GTC-E-9951 2/2
OTC-E-9449 CAL DUE DATE 8-05

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 4-29-05 | 1 | 1st torque | KH |
| 4-29-05 | 1 | Report Torque | KH |
| 4-29-05 | 1 | WITNESS | |

LAT TO QA

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



W/P/N# LAT-DS-01481
ASSY. CLASS: DAQ: TEM

WO# 113109
REQ DATE 04-29-05
REL.DATE 04-04-05
SO# F1720C
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17203
CUST# 15356

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

6 210 50 DCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
STAKE BOLT HEADS.

* PROCESS ASSY PER CAA STEP 6.
* RECORD MATERIAL DATA BELOW-
ADHSV C151: OTC PO# 31403 EXPIRATION DATE 1-31-07
CURE DATE/TIME: START- 6:30 Am STOP- 7:05 Am Full cure at step 13

| DATE | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 4-30 | 1 | | ICH |
| | | | |
| | | | |

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

* PROCESS ASSY PER CAA STEP 7
* RECORD MATERIAL DATA BELOW
INK 60-100R: OTC PO# 31201 EXPIRATION DATE 4-27-07
LOT # (PT A): 20040908003 3
LOT # PT B): 20040702007 1
MIX RECORD (PT A WGHT): 10 (PT B WGHT) 06
MARKING DATE/TIME: 4-30-05 6:30 Am - 7:05 Am Tack cure
CURE OCCURS AT STAKING STEP 13.

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 4-30-05 | 1 | | ICH |
| 4-30-05 | 1 | APPLIED SN LABEL | |
| | | | |

8 220 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPS: SLDR-0 ASSY-127

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-30-05 | 1 | GLAC 1797 | |
| | | | |
| | | | |

WORK CELL: 1-BIG BOOSTER  CUSTOMER: GLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 113109  PAGE 4
../PN# LAT-DS-01481  REQ DATE 04-29-05  CUST P#
ASSY. GLAST, DAQ, TEM  REL.DATE 04-04-05  QTY 1
SO# F17200  PROJECT# F17210
PO# C000048799  CUST# 16156

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| P 350 | | | 00 | SOURCE INSPECTION<br>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 |
|---|---|---|---|
| 4-30-05 | 1 | GLAT 1797 | LAT TO QA |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 310 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL LID | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 10.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-30-05 | 1 | | HPE2018 |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | | | 00 | CCA/BLACK BOX ASSY AREA<br>TORQUE FASTENERS. | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 11.

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

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

TORQUE TOOL # GTC-5951 1/2 - 4" IN 03  GTCA 977 45.1 INLBS 1-26-06

GTC-E-944 CAL DUE DATE 08-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-30-05 | 1 | | HPE2018 |
| 4.30.05 | | WITNESS TORQUE | LAT TO QA |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 290 | | 00 | QUALITY ASSURANCE AREA<br>SEE 6000-0 ASSY-95 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 12.

RECORD DEFECT REPORT NO IF APPLICABLE: N/A

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 5/2/05 | 1 | GLAT 1797 | QA |
| | | | |
| | | | |

WORK CELL: 1-BIG RUNNER  CUSTOMER: SIAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 113103  PAGE 5
. /P/N LAC-DS-01491  REV DATE 04-29-05  CUST P#
Assy: GLAST: DAQ: TEM  REL.DATE 04-04-05  QTY
SO# F17200  PROJECT# F17200
PO# 0000048793  CUST# 10396

| ITe | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 13 | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>STAKE BOLT HEADS | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 13.

• RECORD MATERIAL DATA BELOW.

ADHSV 0151: OTC PO# 31430 EXPIRATION DATE 01-31-07 209AA - 6.6gmB

CURE DATE/TIME: START- 9:30 STOP- 10:30

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 5-2-05 | 1 | Cure | |
| | | | |
| | | | |

| ITe | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 14 | 290 | | 00 | QUALITY ASSURANCE AREA<br>CPE: SLDR-0 ASSY-97 | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 14

RECORD DEFECT REPORT NO. IF APPLICABLE

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 5/2/05 | 1 | | |
| | | | |
| | | | |

| ITe | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 15 | 211 | | 00 | SOURCE INSPECTION<br>CUSTOMER SOURCE INSP | 0.0000 | 0.0000 | | 0.0000 |

• PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO. IF APPLICABLE:

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 5.2.05 | 1 | | LAT 10 02 |
| | | | |
| | | | |

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

| PRINTED AV: | | PCB ASSY REV: | DATE: |
|---|---|---|---|
| UPDATE | | 5A | 03.31.05 |

| ASSY REV | BUP BY | CHG DATE | CHANGE DETAIL |
|---|---|---|---|
| 5A | GLA | 033105 | RELEASED AT REV 5A. AND CLA AT REV |

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

( NEW )

WORK ORDER : 113109 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # LAC-DS-01481 — BY LINE ITEM — EFFECTIVITY DATE: 04-26-05
QUANTITY 1 — RELEASE DATE : 04-04-05
LOCATION: WC2 — DATE PRINTED : 04-27-05

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | LOT QUANTITY | LOT DATE | LOT LIFE | BIN/LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LAC-DS-00554<br>TEM BOX BASE<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2<br>FN-1 | PULLED: | 0.00 | | | | |
| | | | | RSVD | 1.00 | 120298 | SKCF2 | 120298 | 15.00 | 12-16-04 | | SLAC | |
| | | | | | | | | PULLED: | | | | | |
| 2 | LAC-DS-01999<br>TEM BOX LID<br>ORIGINAL QUANTITY .. | EA | 1.00<br>1.00 | | | | SK2<br>FN-2 | PULLED: | 0.00 | | | | |
| | | | | RSVD | 1.00 | 120297 | SKCF2 | 120297 | 19.00 | 12-16-04 | | SLAC | |
| | | | | | | | | PULLED: | | | | | |
| 3 | LAC-DS-01418<br>LOC, SLACT, TEM<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2<br>FN-3 | PULLED: | 0.00 | | | | |
| | | | | BO | 1.00 | | SKCF2 | | 0.00 | | | | |
| | | | | | | | | PULLED: | | | | | |
| 4 | NAS1352N3184<br>HARDWARE<br>ORIGINAL QUANTITY... | EA | 26.00<br>26.00 | | | | SK2<br>FN-4 | PULLED | 0.00 | | | | |
| | | | | RSVD | 20.00 | 114831 | SKCF2 | 114831 | 676.00 | 03-01-04 | | | |
| | | | | | | | | PULLED: | | | | | |
| 5 | NAS1352N04-6<br>SCREW<br>ORIGINAL QUANTITY... | EA | 29.00<br>29.00 | | | | SK2<br>FN-5 | PULLED | 0.00 | | | | |
| | | | | RSVD | 29.00 | 114832 | SKCF2 | 114832 | 464.00 | 03-01-04 | | LOT 516 | |
| | | | | | | | | PULLED: | | | | | |
| | | | | | | | | 115011 | 712.00 | 03-27-04 | | IN ASSY | |
| | | | | | | | | PULLED: | | | | | |
| | | | | | | | | 125781 | 100.00 | 04-13-05 | | | |
| | | | | | | | | PULLED | | | | | |
| 6 | NAS1352N3-6<br>HARDWARE<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | | | | SK2<br>FN-6 | PULLED: | 0.00 | | | | |
| | | | | RSVD | 1.00 | 114833 | SKCF2 | 114833 | 27.00 | 09-28-04 | | | |
| | | | | | | | | PULLED | | | | | |
| 7 | [illegible]<br>[illegible]<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | | | | SK2<br>FN-7 | PULLED: | 0.00 | | | | |
| | | | | BO | 1.00 | | SKCF2 | | 0.00 | | | | |
| | | | | | | | | PULLED | | | | | |

( NEW )

WORK ORDER : 113409 — WORK ORDER PICK LIST — PAGE: 2

ASSEMBLY # : LAT-DS-01481 — BY LINE ITEM — EFFECTIVITY DATE: 04-24-05
QUANTITY : 1 — RELEASE DATE : 04-06-05
LOCATION: WO2 — DATE PRINTED : 01-27-06

DATE PULLED: _____ PULLED BY: _____

| Lin | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STATUS STAT | QUANTITY | RESV IN LOT # | INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0151<br>ADHESIVE HYSOL 4OZ KIT<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | | | | SK2 FN-8<br>PULLED: | 1.00 | | |
| | | | | BO | 1.00 | | SKCF2<br>PULLED: | 0.00 | | |
| 9 | CAT-1-INK<br>INK<br>ORIGINAL QUANTITY... | OZ | 1.00<br>1.00 | | | | SK2 FN-9<br>PULLED: | 0.00 | | |
| | | | | BO | 1.00 | | SKCF2<br>PULLED: | 0.00 | | |
| 10 | LAT-DS-05515<br>LABEL, QC<br>ORIGINAL QUANTITY | EA | 1.00<br>1.00 | | | | SK2 FN-10<br>PULLED: | 1.00 | | |
| | | | | BO | 1.00 | | SKCF2<br>PULLED: | 0.00 | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

//PN= LAT-PS-01646  WO# 112008  PAGE 1
CCA: START, TEM  REQ DATE 02-03-05  CUST P#
REL DATE 12-31-04  QTY 1
CO#  PROJECT# P17200
PO# 0000046799  CUST# 19356

*SERIAL NUMBER*  *APPROVAL*
CT108  PROD 2/3/05
GLAT 1759  QA 2-3-05

*WORKMANSHIP*
IPC/EIA-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.
-pln 02 02.03-

| LI# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | HOURS LINE-MACH | SC-DOT |
|---|---|---|---|---|---|---|---|---|
| 1 | 200 | | 00 | CONFIG RECORD/KITTING CONFIG | 0.0000 | 0.0000 | | 0.0000 |

CONFIGURATION DOCUMENTS

| | DOCUMENT NUMBER | REV | FD/FL | OUTSTANDING EO'S |
|---|---|---|---|---|
| ASSY DWG: | LAT-DS-01646 | 56 | FD | NONE |
| BOM PL: | LAT-PL-02230 | 56 | FD | NONE |
| CUST SOW: | LAT-PS-02618 | 02 | FD | NONE |
| ASSY AID: | LAT-PS-01646 | -- | (RELEASED PER EC 2283) | |

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

BUILD DOCUMENTS

Use... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

*(REV'D)/PREP'D BY: GH  (DATE)DATE: 02.02.05*

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 2/3/05 | | | WBM |

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

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

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 2/3/05 | 1 | | WBM 2/3/05 |

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112108 PAGE 2
/PN# LAT-DG-01646 REQ DATE 02-03-05 CUST P#
DESC: SLAC: DM REL DATE 10-21-04 QTY 1
CO# PROJECT# P17200
PO# 0000068799 CUST# 15356

| Lit# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 3 210 | | | 00 | CCA/BLACK BOX ASSY AREA<br>BOARD MARKING | 1.3300 | 1.3300 | 1.3300 | |

• PROCESS PER CAA STEP 3

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 2-7-05 | 1 | | PF (illegible) |
| | | | |
| | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 213 | | | 00 | SMT ASSY LINE<br>PRE-SMT OVEN BAKE | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 4.

BAKE DATE: 2-7-05

START TIME: 11:00 AM

STOP TIME: 1:00 PM

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 2-7-05 | 1 | in | DG 1648 |
| 2-7-05 | | out | DG |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 205 | | | 00 | SMT ASSY LINE<br>SOLDER PASTE STENCIL<br>ONLY TOP SIDE OBTS PARTS | 5.6300 | 5.6300 | 5.6300 | |

• PROCESS PER CAA STEP 5

• RECORD SOLDER PASTE DATA BELOW:

QTC PO# 31728 EXPIRATION DATE 7/14/05

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 2-9-05 | 1 | | PF |
| | | | |
| | | | |

U56 - .0208

U55 - .0048

R591 - .0063

C561 - .0063

C571 - .0063

U53 - .0060

U52 - .0061

U58 - .0063

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



...Y/FN3 LAI-US-01644
CCA, GUEST, TEM

WO# 112005
REQ DATE 02-03-05
REL.DATE 12-21-04
RO#
PO# 0010043799
CUST P#
QTY 1
PROJECT# F17200
CUST# 15350

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-DOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 213 | | 00 | SMT ASSY LINE PICK-N-PLACE PARTS | | 10.0000 | 10.0000 | 10.0000 |

• PROCESS PER CAA STEP 6.

• RECORD SERIAL NUMBERS OF LISTED ASIC DEVICES:

FN-13 U3 1685 U4 1695 U5 1746 U6 1662
FN-23 U54 1742 U55 1745 U56 1799 U57 1754
U58 1741 U59 1743 U60 1733 U61 1801

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 2-9-05 | 1 | TP-11 | PS |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-DOT |
|---|---|---|---|---|---|---|---|---|
| 7 | 213 | | 00 | SMT ASSY LINE SOLDER REFLOW | 0.5000 | 0.5000 | 0.5000 | |

• PROCESS PER CAA STEP 7.

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

| DATE.... | QTY.. | REMARKS | STATUS |
|---|---|---|---|
| 2-9-05 | 1 | | PS |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-DOT |
|---|---|---|---|---|---|---|---|---|
| 8 | 213 | | 01 | SMT ASSY LINE AQUEOUS CLEAN | 0.1000 | 0.1000 | 0.1000 | |

• PROCESS PER CAA STEP 8.

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

| DATE.... | QTY.. | REMARKS | STATUS |
|---|---|---|---|
| 2-9-05 | 1 | | PS |
| | | | |
| | | | |

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112008 PAGE 4
REV/PN# LAT-DS-01046 REQ DATE 02-03-05 CUST PO#
PCA: GLAST, TEM REL DATE 12-21-04 QTY 1
SO# PROJECT# F17300
PO# C0000048790 CUST# 15356

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 9 | 490 | | 00 | QUALITY ASSURANCE AREA CFG: SLDR-4163 ASSY-5003 | 0.4400 | 0.4400 | 0.4400 | |

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

DRR#(S) 29341

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/11/05 | 1 | 108 | STD U |
| 3/4/05 | 1 | Rework Complete | |

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 10 | 210 | | 00 | CCA/BLACK BOX ASSY AREA PRE-WAVE BAKEOUT | 0.0000 | 0.0000 | 0.0000 | |

- PROCESS PER CAA STEP 10.

BAKE DATE: 3/7/05 START: 10:26 STOP: 12:26 mm-168

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/7/05 | 1 | Baked board. | mm-168 |

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 11 | 210 | | 00 | CCA/BLACK BOX ASSY AREA THRU-HOLE INSTALL | 2.4000 | 2.4000 | 2.4000 | |

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

TOOL # GTC-A-976 CAL DUE DATE ~~3-8-05~~ 5-05 ME 3-8-05

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-8-05 | 1 | | ME |

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 12 | 310 | | 00 | WAVESOLDER WAVE SOLDER | 0.0000 | 0.0000 | 0.0000 | |

- PROCESS PER CAA STEP 12.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3.8.05 | 1 | | 75 |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW



//PN# LAC-DS-01446
CCA: SLAC1.TEM

WO# 112008
REQ DATE 02-03-05
REL.DATE 12-31-04
SO#
PO# 0000048799

CUST D#
QTY
PRODUCT# F17200
CUST# 18351

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST LOT |
|---|---|---|---|---|---|---|---|---|
| 13 | 210 | | 00 | WAVESOLDER AQUEOUS CLEAN | 0.2000 | 0.2000 | 0.2000 | |

* PROCESS PER CAA STEP 13.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/7/05 | 1 | | ME |
| ME 3/9/05 | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST LOT |
|---|---|---|---|---|---|---|---|---|
| 14 | 220 | | 00 | QUALITY ASSURANCE AREA MFR: SLDR-600 ASSY-65 | 0.0000 | 0.0000 | 0.0000 | |

* PROCESS PER CAA STEP 14.

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

DRR#(S) 29910

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/8/05 | 1 | 108 | |
| 3/8/05 | 1 | Rework Complete | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST LOT |
|---|---|---|---|---|---|---|---|---|
| 15 | 210 | | 00 | CCA/BLACK BOX ASSY AREA ROOSTER | 0.0000 | 0.2000 | 0.0000 | |

* PROCESS PER CAA STEP 15

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-8-05 | 1 | 108 | BR 1648 |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST LOT |
|---|---|---|---|---|---|---|---|---|
| 16 | 210 | | 00 | CCA/BLACK BOX ASSY AREA ALCOHOL/DI CLEAN | 0.0000 | 0.2000 | 0.0000 | |

* PROCESS PER CAA STEP 16

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-8-05 | 1 | 108 | BR 1648 |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 112008  PAGE 6
REQ DATE 02-03-05  CUST P#
REL.DATE 12-21-04  QTY 1
SO#  PROJECT# P17510
PO# 0000148709  CUST# 10350

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

17 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
CPE: SLDR-20% ASSY-0

* PROCESS PER CAA STEP 17.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DDP#(S) _____

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3/8/05 | 1 | cleaned | KH 28 S |
| | | | |
| | | | |

18 310 01 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-FPGAS

* PROCESS PER CAA STEP 18.

ADHESIVE PO# 31450 EXP DATE: 05/17/05

FPGA SERIAL #'S: U43 40336 U62 50129

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3/8/05 | 1 | Place on metal heat sink | [illegible] |
| | | | |
| | | | |

19 310 01 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
SOLDER FPGA LEADS

* PROCESS PER CAA STEP 19.

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | | [illegible] 1337 |
| | | | |
| | | | |

21 340 01 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
POST WAVE ASSY-21, 24, 25

* PROCESS PER CAA STEP 21.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | | [illegible] 1337 |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

WO# 112008  PAGE 7
P/N# LAT-DS-01646  REQ DATE 02-03-05  CUST P#
CCA: GLAST, TEM  RED.DATE 12-21-04  QTY 1
DO#  PROJECT# P17200
PO# 0000048709  CUST# 19356

| Lin | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 01 | 010 | | 00 | CCA/BLACK BOX ASSY AREA<br>POST WAVE ASSY-R1, R2 | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 01.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | | me 1337 |
| | | | |
| | | | |

| Lin | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 02 | 010 | | 00 | CCA/BLACK BOX ASSY AREA<br>ALCOHOL/DI CLEAN | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 02.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | | me 1337 |
| | | | |
| | | | |

| Lin | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 03 | 290 | | 00 | QUALITY ASSURANCE AREA<br>DFE: SLDR-217 ASSY-236 | 0.2000 | 0.2000 | 0.2000 | |

• PROCESS PER CAA STEP 23.

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DRR#(S): _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | | |
| | | | |
| | | | |

| Lin | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 04 | 240 | | 00 | STEA TEST | 0.0100 | 0.0100 | 0.0100 | |

• PROCESS PER CAA STEP 24

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

TDRR#'S: _____

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/9/05 | 1 | GT108 ME | PASS |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW

W/O# 112005  PAGE 8
REQ DATE 02-03-05  CUST P/N
REL.DATE 12-21-04  QTY 1
SO#  PROJECT# P17300
PO# 0000048799  CUST# 15156

P/N# LAT-DS-01643
CCA, GLAST, TEM

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | RUN | LINE-MACH | ST-DOC |
|---|---|---|---|---|---|---|---|---|
| 2b | 210 | | 00 | CCA/BLACK BOX ASSY AREA<br>INSTALL CONNECTOR-SOLDER<br>SLDR CONN J1-ROW 1>CHECK<br>SLDR-CONN J1-ROW 2>CHECK<br>SLDR-CONN J1-ROW 3>CHECK<br>SLDR-CONN J1-ROW 4>CHECK | 15 8300 | 14 8300 | 13.8300 |

* PROCESS PER CAA STEP 25.

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

TOOL # GTC-A-972  CAL DUE DATE 8.805

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3.405 | 1 | Row 4 S.1 | HG.#1941 |
| 3.405 | 1 | Row 3 S.1 | HG.#1941 |
| 3.405 | 1 | Row 2 S.1 | HG.#1941 |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | RUN | LINE-MACH | ST-DOC |
|---|---|---|---|---|---|---|---|---|
| 2b | 290 | | 00 | QUALITY ASSURANCE AREA<br>CPE: SLDR-998 ASSY-405 | 5.6800 | 5.6800 | 5.6800 | |

* PROCESS PER CAA STEP 26

** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW

DR#(S) _____

| DATE | QTY. | REMARKS | STATUS |
|---|---|---|---|
| 3-10-05 | 1 | | GTC 3-10-05 |
| | | | |
| | | | |

3/9/05 Row 60-78 GTC 3/9/05

3/9/05 Row 40-59 GTC 3/9/05

Row 21-39

Row 4-20

3.405 Row 1 S.1 HG.#1941

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELER - NEW

PAGE 9

WO# 112005
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048729
CUST P#
QTY 1
PROJECT# F17200
CUST# 15886

P/N# LAT-DS 01646
D.A. GLAST, LAT

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 07 | 250 | | 00 | COATING/POTTING AREA<br>POTTING/STAKING | 0.6000 | 0.6000 | 0.6000 | |

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

RTV DC8-1104, GTC PO# 31495 EXPIRATION DATE 7-10-05
ADHSV 0151, GTC PO# 30156 EXPIRATION DATE 1/07

0151 ADHESIVE MIX RECORD (RECORD PER BATCH)

| | BATCH #1 | BATCH #2 | BATCH #3 | BATCH #4 |
|---|---|---|---|---|
| RESIN WGHT | 6.2 SME | 3-10-05 | | |
| HARDENER WGHT: | 2.1 | | | |

CURE DATE: 3-10-05 START: 11:50 AM/PM STOP: 1:50 PM

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-10-05 | 1 | | MJE |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 08 | 200 | | 00 | QUALITY ASSURANCE AREA<br>CFE SLDR-0 ASSY-104 | 0.1000 | 0.1000 | 0.1000 | |

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

DRR#(S):

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/10/05 | 1 | | |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | HOURS LINE-MACH | ST-LOC |
|---|---|---|---|---|---|---|---|---|
| 09 | 280 | | 00 | SOURCE INSPECTION<br>MFE - SLAC QAE INSPECTION<br>BEFORE SHIPMENT TO SLAC! | 0.0000 | 0.0000 | 0.0000 | |

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3/11/05 | | GT 106 | |
| | | GLAT 1759 | |
| | | BENT LEAD @ U62 | |
| 3/11/05 | 1 | Reworked U62 | mje |

LAT TO QA 3.11.05

1337

WORK CELL: 1/MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



../PNF_LAT-DS-01446
(LA, COAST, TBM

WO# 112008
REQ DATE 02-03-05
REL DATE 12-01-04
SO#
PO# 0000048799
CUST PT
QTY 1
PROJECT# P17200
CUST# 15356

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

30 200 00 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000
PACK & SHIP CCA

* PROCESS PER CAA STEP 30.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 3-11-18 | 1 | PACKED | E2018 |
| 03/11/05 | 1 | SHIPPED JOE LEOS | E1625 |

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

* PROCESS PER CAA STEP 31

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

DRR#(S) _____

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

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/12/05 | 1 | closed up | |
| 4/13/05 | 1 | opened up | |

32 260 00 SOURCE INSPECTION 0.0000 0.0000 0.0000
SLAC CAR PRE-COAT INSP.
MANDATORY INSPECTION
POINT

* PROCESS PER CAA STEP 32.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-25-05 | 1 | GLAT 1759 | LAT IO QA |

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW



f/P/N LAT-BS-01646
CCA, CHART, TEM

WO# 112005
REQ DATE 04-03-05
REL.DATE 03-21-04
QTY 1
S/N
PO# 0000048793
PROJECT# P17211
CUST# 15356

| 11# | DEPT | MACH# | OP# | DESCRIPTION | SET-UP | RUN | HOURS LINE-MACH | ST-LAB |
|---|---|---|---|---|---|---|---|---|
| 33 | 217 | | 00 | CCA/BLACK BOX ASSY AREA<br>ALCOHOL/DI CLEAN AND TEST<br>THE CLEANLINESS OF CCA. | 0.2000 | 0.2000 | 0.2000 | |

* PROCESS PER CAA STEP 33.

*** WEAR PROTECTIVE GLOVES WHEN HANDLING CCA ***

* ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/26/05 | 1 | S/N 108 Washed | me (337 |
| 4-26-05 | 1 | | |
| | | Cleaning | 4/2 |

| 34 | 290 | | 00 | QUALITY ASSURANCE AREA<br>SPF: SLDR-0 ASSY-11 | 0.0000 | 0.0000 | 0.0000 | |
|---|---|---|---|---|---|---|---|---|

* PROCESS PER CAA STEP 34.

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

DRR#(S):

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/26/05 | 1 | | |
| | | | |
| | | | |

| 35 | 260 | | 00 | COATING/POTTING AREA<br>MASK & CONFORMAL COATING | 0.6000 | 0.6000 | 0.6000 | |
|---|---|---|---|---|---|---|---|---|

* PROCESS PER CAA STEP 35.

*** WEAR PROTECTIVE GLOVES WHEN HANDLING CCA ***

RECORD BAKE DATE-TIME START/STOP BELOW

BAKE DATE: 4/25/05 START: 1:30pm STOP 2:30pm

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/25/05 | 1 | Mask/Bake | SHE |
| | | | |
| | | | |

WORK CELL: 4 MIXED  CUSTOMER: SIAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW



...Y/PN# LAT-DS-01646
COA: BLAST: TEM:

WO# 112005
REQ DATE 03-03-05
REQ DATE 12-21-04
SO#
PO# 0000048799
CUST P#
QTY 1
PROJECT# P17200
CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 36 | 250 | | 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

TMP: (1) HOUR AIR CURE (BEFORE OVEN BAKE):

DATE: 4/27/05 START: 7:25 Am STOP: 1:25pm

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/27/05 | 1 | Coat | Dm |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 37 | 250 | | 00 | COATING/POTTING AREA TOUCHUP / CURE-OVEN BAKE | 0.0000 | 0.0000 | 0.0000 | |

• PROCESS PER CAA STEP 37.

FIRST... BAKE DATE: 4/27/05 START: 1:25pm STOP: 9:30 PM

TOUCHUP... BAKE DATE: 4-27-05 START: 3:45 STOP 3:15

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4-27-05 | 1 | Unmask | |
| | | | |
| | | | |

WORK CELL: 6-MIXED  CUSTOMER: SLAC

TYPE: PRODUCTION  WORK ORDER TRAVELLER - NEW



. ../P/N# LAT-DS-01046
QUAL CLASS: ITEM

WO# 112208
REQ DATE 03-03-05  CUST P#
REF DATE 12-21-04  QTY 1
SO#  PROJECT# F17200
PO#  0000048799  CUST# 15956

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 38 | 290 | | 00 | QUALITY ASSURANCE AREA<br>OPS: SLAC-0 ASSY-98 | 0.5000 | 0.5000 | 0.5000 | |

* PROCESS PER CAA STEP 38.

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

DRR#'S: _____

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

MATERIAL CERTIFICATIONS...
...SEAM TEST DEFECT REPORTS...
...LEAK TEST DEFECT REPORTS...
...INSPECTION DEFECT REPORTS...
...NON-CONFORMANCE REPORTS...
...FORM QTC-129 (DOC REV RECORD)...
...NDT LOGS REPORTS...
...DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/28/05 | 1 | | |
| | | | |
| | | | |

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 39 | 280 | | 00 | SOURCE INSPECTION<br>CSI | 0.0000 | 0.0100 | 0.0000 | |

* PROCESS PER CAA STEP 39.

NOTE: NEXT ASSEMBLY IS LAT-DS-01461.

** PLEASE RETURN INSPECTED CCA TO QA UPON COMPLETION **

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 4/29/05 | 1 | | LAT TO QA |
| | | | |
| | | | |

( NEW )

WORK ORDER : 112009 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # : LAT-DS-01646 — BY LINE ITEM — EFFECTIVITY DATE: 02-00-00
QUANTITY : 1 — RELEASE DATE : 12-21-06
LOCATION: W02 — DATE PRINTED : 02-06-09

DATE PULLED: _____ PULLED BY: _____

| LI# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RSV'N LOT # | INVLOC | LOT NUMBER | INVTORY DETAIL LOT QUANTITY | LOT DATE / LOT LIFE | BIN BINLOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LAT-DS-01649<br>PWB, TEM<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | RSVD | 1.00 | 120299 | SKCF2<br>FN-D1 | 120299<br>PULLED: | 18.00 | 09-11-07 | | 1 |
| 2 | LAT-DS-01024<br>PLATE, CONN, TEM<br>ORIGINAL QUANTITY .. | EA | 1.00<br>1.00 | RSVD | 1.00 | 114784 | SKCF2<br>FN-D6 | 114784<br>PULLED | 18.00 | 06-19-07 | | 1 |
| 3 | LAT-DS-01031<br>PIN, CONNECTOR, TEM<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114785 | SKCF2<br>FN-D7 | 114785<br>PULLED: | 36.00 | 06-19-07 | | 2 |
| 4 | NAS1352N02-8<br>SCREW<br>ORIGINAL QUANTITY... | EA | 26.00<br>26.00 | RSVD | 26.00 | 114786 | SKCF2<br>FN-D3 | 114786<br>PULLED: | 546.00 | 09-23-04 | | 26 |
| 5 | LAT-DS-03982<br>STANDOFF<br>ORIGINAL QUANTITY .. | EA | 2.00<br>2.00 | RSVD | 2.00 | 114787 | SKCF2<br>FN-D5 | 114787<br>PULLED: | 38.00 | 09-23-04 | | 2 |
| 6 | MS51957-13<br>SCREW, PNHD, 4-40 X .25<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 93949 | SKCF2<br>FN-D10 | 93949<br>PULLED: | 291.00 | 11-24-03 | C3F | 2 |
| | | | | | | | FN-D10 | 114788<br>PULLED: | 78.00 | 09-23-04 | | |
| — | NAS620-C2<br>FLATWASHER<br>ORIGINAL QUANTITY .. | EA | 52.00<br>52.00 | RSVD | 52.00 | 114789 | SKCF2<br>FN-D2 | 114789<br>PULLED: | 1052.00 | 09-23-04 | | 52 |
| 8 | MS21671-2<br>SCREW<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | RSVD | 4.00 | 114790 | SKCF2<br>FN-D8 | 114790<br>PULLED: | 84.00 | 09-23-04 | | 4 |
| 9 | NAS671-C2<br>WSHR<br>ORIGINAL QUANTITY... | EA | 26.00<br>26.00 | RSVD | 26.00 | 114791 | SKCF2<br>FN-D4 | 114791<br>PULLED: | 520.00 | 09-23-04 | | 26 |
| 10 | LAT-DS-02588<br>ASSY, CABLE, CONN, TEM<br>ORIGINAL QUANTITY... | EA | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-(D9) | 23 J1<br>PULLED: | 0.00 | | | 0 |
| 11 | 0151<br>ADHESIVE: HYSOL 402 KIT<br>ORIGINAL QUANTITY... | OZ | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-D11 | PULLED: | 0.00 | | | 0 |
| 12 | CV-2946<br>RTV,NUSIL TECH<br>ORIGINAL QUANTITY... | OZ | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-D12 | PULLED: | 0.00 | | | 0 |
| 13 | 5750<br>CONFORMAL COATING URETHANE<br>ORIGINAL QUANTITY | OZ | 1.00<br>1.00 | BO | 1.00 | | SKCF2<br>FN-D13 | PULLED: | 0.00 | | | 0 |

( NEW )

WORK ORDER : 112009 — WORK ORDER PICK LIST — PAGE: 2

ASSEMBLY # : LAT-DS-01646 — BY LINE ITEM
QUANTITY : 1
LOCATION: 402

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

DATE PULLED: _____ PULLED BY: _____

| LIN | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | RSRV IN QUANTITY | LOT # | INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|
| 14 | DC8-1104 ADHESIVE | OZ | 1.00 | SO | 1.00 | | SKCF2 FN-514 | 0.00 | | 0 |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | |
| 15 | CWR11FH106KDB CAPACITOR | EA | 36.00 | RSVD | 36.00 | 120284 | SKCF2 120284 FN-1 C301 C302 C303 C304 C305 C307 C308 C309 C310 C311 C312 C313 C314 C315 C316 C317 C318 C319 C320 C321 C323 C324 C325 C326 C335 C339 C340 C378 C379 C380 C381 C382 C383 C384 C385 C386 | 1980.00 12-16-04 | | 36 |
| | ORIGINAL QUANTITY .. | | 36.00 | | | | PULLED: | | | |
| 16 | CWR11FH475KDB CAPACITOR | EA | 2.00 | RSVD | 2.00 | 120285 | SKCF2 120285 FN-2 C341 C342 | 2000.00 12-16-04 | | 2 |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | |
| 17 | CDR33BX473AKUS CAPACITOR | EA | 53.00 | RSVD | 53.00 | 114799 | SKCF2 114799 | 2235.00 09-23-04 | | 53 |
| | ORIGINAL QUANTITY... | | 53.00 | | | | PULLED- | | | |
| | | | | | | | 114942 | 933.00 09-27-04 | | |
| | | | | | | | PULLED: | | | |
| 18 | CWR29FQ47GKDB CAPACITOR | EA | 49.00 | RSVD | 49.00 | 114800 | SKCF2 114800 FN-4 C214 C215 C216 C218 C219 C220 C277 C278 C279 C280 C281 C282 C283 C284 C285 C286 C291 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C357 C358 C359 C360 C361 C362 C363 C364 C365 C366 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 C377 | 1127.00 09-23-04 | | 49 |
| | ORIGINAL QUANTITY... | | 49.00 | | | | PULLED: | | | |
| | | | | | | | 114943 FN-4 C214 C215 C216 C218 C219 C220 C277 C278 C279 C280 C281 C282 C283 C284 C285 C286 C291 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C357 C358 C359 C360 C361 C362 C363 C364 C365 C366 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 C377 | 1850.00 09-27-04 | | |
| | | | | | | | PULLED: | | | |
| 19 | CDR31BX472BKUS CAPACITOR | EA | 249.00 | RSVD | 249.00 | 114801 | SKCF2 114801 FN-5 C1 thru C200, C217, C221 thru C247, C397 thru C407. | 5004.00 09-23-04 | | 249 |
| | ORIGINAL QUANTITY... | | 249.00 | | | | PULLED: | | | |
| 20 | 12105C563KAZ1YWTM CAPACITOR | EA | 16.00 | RSVD | 16.00 | 114802 | SKCF2 114802 FN-6 C201 C202 C203 C343 C344 C345 C346 C347 C348 C349 C350 C351 C352 C353 C354 C356 | 1196.00 09-23-04 | | 16 |
| | ORIGINAL QUANTITY: | | 16.00 | | | | PULLED: | | | |
| 21 | MCR-1051 1B1 CONNECTOR | EA | 9.00 | RSVD | 9.00 | 114803 | SKCF2 114803 FN-7 J51 J52 J53 J54 J55 J56 J57 | 180.00 09-23-04 | | 9 |
| | ORIGINAL QUANTITY... | | 9.00 | | | | PULLED: | | | |
| 22 | MCR-1069-1B1 CONNECTOR | EA | 4.00 | RSVD | 4.00 | 114804 | SKCF2 114804 FN-8 J00 J01 J02 J03 | 80.00 09-23-04 | | 4 |
| | ORIGINAL QUANTITY | | 4.00 | | | | PULLED: | | | |
| 23 | 5962-8759106XA IC,LM185BYH-2.5/NSC | EA | 3.00 | RSVD | 3.00 | 114805 | SKCF2 114805 FN-9 D3 D4 D5 | 60.00 09-23-04 | | 3 |
| | ORIGINAL QUANTITY... | | 3.00 | | | | PULLED: | | | |
| 24 | JANTXV1N4153UR-1 DIODE | EA | 2.00 | RSVD | 2.00 | 114806 | SKCF2 114806 FN-10 D1 D2 | 40.00 09-23-04 | | 2 |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | |
| | | | | | | | 114949 FN-10 D1 D2 | 252.00 09-27-04 | | |
| | | | | | | | PULLED: | | | |

( NEW )

WORK ORDER : 112009 — WORK ORDER PICK LIST — PAGE: 3

ASSEMBLY # : LAT-DS-01646 — BY LINE ITEM — EFFECTIVITY DATE: 02-03-05
QUANTITY : 1 — RELEASE DATE : 12-21-01
LOCATION: WO2 — DATE PRINTED : 02-04-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RSV IN LOT # | INVLOC NUMBER | LOT QUANTITY | LOT DATE / LOT LIFE | BINLOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | SMD050<br>FUSE,RAYCHEM/POLYSWICH | EA | 4.00 | RSVD | 4.00 | 114807 | SKCF2 114807<br>FN-12 F2 F4 F6 F8 | 100.00 | 09-23-04 | | 4 |
| | ORIGINAL QUANTITY... | | 4.00 | | | | PULLED: | | | | |
| 26 | SMD075<br>IC | EA | 4.00 | RSVD | 4.00 | 114926 | SKCF2 114926<br>FN-13 F3 F5 F7 F9 | 100.00 | 09-24-04 | | 4 |
| | ORIGINAL QUANTITY... | | 4.00 | | | | PULLED: | | | | |
| 27 | MAX145AEUA<br>IC | EA | 36.00 | RSVD | 36.00 | 114809 | SKCF2 114809<br>FN-15 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 | 204.00 | 09-23-04 | | 36 |
| | ORIGINAL QUANTITY... | | 36.00 | | | | PULLED: | | | | |
| | | | | | | | 120296<br>FN-15 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 | 481.00 | 12-10-04 | | |
| | | | | | | | PULLED: | | | | |
| 28 | MAX9121AEEE<br>IC | EA | 2.00 | RSVD | 2.00 | 114810 | SKCF2 114810<br>FN-16 U1 U2 | 47.00 | 09-23-04 | | 2 |
| | ORIGINAL QUANTITY... | | 2.00 | | | | PULLED: | | | | |
| 29 | LAT-DS-03895<br>IC | EA | 1.00 | BO | 1.00 | 2/11/05 lot# 123791 | SKCF2<br>FN-17 U15 | 0.00 | | | 0 |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | | |
| | LAT-DS-03894<br>IC | EA | 1.00 | BO | 1.00 | 2/11/05 lot# 123758 | SKCF2<br>FN-18 U62 | 0.00 | | | 0 |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | | |
| 31 | LAT-TD-01814<br>IC | EA | 4.00 | RSVD | 4.00 | 114813 | SKCF2 114813<br>FN-19 U3 U4 U5 U6 | 82.00 | 09-23-04 | | 4 |
| | ORIGINAL QUANTITY... | | 4.00 | | | | PULLED: | | | | |
| 32 | 5962R9568101VXC<br>IC | EA | 1.00 | RSVD | 1.00 | 114814 | SKCF2 114814<br>FN-20 U63 | 32.00 | 09-23-04 | DRY-10 | 1 |
| | ORIGINAL QUANTITY... | | 1.00 | | | | PULLED: | | | | |
| 33 | 5962R9652301QYC<br>IC | EA | 5.00 | BO | 5.00 | | SKCF2<br>FN-22 U46 U47 U48 U53 U64 | 0.00 | | | 0 |
| | ORIGINAL QUANTITY... | | 5.00 | | | | PULLED: | | | | |
| 34 | LAT-TD-01812<br>IC | EA | 8.00 | RSVD | 8.00 | 114816 | SKCF2 114816<br>FN-23 U54 U55 U56 U57 U58 U59 U60 U61 | 102.00 | 09-23-04 | | 8 |
| | ORIGINAL QUANTITY... | | 8.00 | | | | PULLED: | | | | |
| 35 | RD/1206FX000<br>CHIP, FILM JUMPER | EA | 151.00 | RSVD | 151.00 | 114817 | SKCF2 114817<br>FN-24 R122 R123 R140 R141 R142 R144 R173 R174 R178 R180 thru R196 R201 thru R216 R218 thru R252 R254 thru R266 R268 R269 R272 R273 R274 R275 R276 R277 R280 thru R286 R660 thru R711 R743 R744 R746 R747 R754<br>PULLED | 4386.00 | 09-23-04 | | 151 |
| | | | | | | | 114967<br>FN-24 R122 R123 R140 R141 R142 R144 R173 R174 R178 R180 thru R196 R201 thru R216 R218 thru R252 R254 thru R266 R268 R269 R272 R273 R274 R275 R276 R277 R280 thru R286 R660 thru R711 R743 R744 R746 R747 R754<br>PULLED | 756.00 | 09-27-04 | | |
| 36 | M55342K06B10C0R<br>RESISTOR,CHIP,.10W 1% CH | EA | 55.00 | RSVD | 55.00 | 114818 | SKCF2 114818<br>FN-25 R4 R5 R6 R13 R14 R15 R16 R23 R24 R25 R30 R33 R34 R35 R36 R43 R44 R45 R46 R53 R54 R55 R63 R64 R65 R66 R73 R74 R75 R76 R83 R84 R85 R86 R87 R88 R89 R96 R97 R98 R99 R100 R101 R102 R109 R110 R111 R112 R113 R114 R115 R136 R137 R138<br>PULLED: | 2255.00 | 09-23-04 | | 55 |
| | ORIGINAL QUANTITY... | | 55.00 | | | | | | | | |

( NEW )

WORK ORDER : 112000 — WORK ORDER PICK LIST — PAGE: 4

MBLY # : IAT-DS-01646 — BY LINE ITEM — EFFECTIVITY DATE: 02-03-09
QUANTITY : 1 — RELEASE DATE : 02-01-24
W.. LOCATION: W02 — DATE PRINTED 02-04-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | QUANTITY | RSRV IN LOT # | LOT INVLOC NUMBER | LOT QUANTITY | LOT DATE LOT LIFE | BIN BINLOC QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|
| 36 | M55342K06B1E00R<br>RESISTOR,CHIP,.100W,1K OH | EA | 55.00 | | | | 114976<br>FN-28 R4 R5 R6 R13 R14 R15 R16 R23 R24 R25 R26 R33 R34 R35 R36 R43 R44 R45 R46 R53 R54 R55 R56 R63 R64 R65 R66 R73 R74 R75 R76 R83 R84 R85 R86 R87 R88 R89 R96 R97 R98 R95 R102 R101 R102 R109 R110 R111 R112 R113 R114 R115 R136 R137 R138<br>PULLED: | 178.00 | 09-27-04 | |
| | Cont from prior page. | | | | | | | | | |
| 37 | M55342K06B1F00R<br>RESISTOR,CHIP,100W,1M OHM<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114819 | GKCF1 114819<br>FN-29 R174 R175<br>PULLED: | 690.00 | 09-23-04 | |
| | | | | | | | 114977<br>FN-29 R174 R175<br>PULLED: | 217.00 | 09-27-04 | |
| 38 | M55342K05B10F0R<br>RESISTOR<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114820 | GKCF2 114820<br>FN-32 R165 R166<br>PULLED: | 136.00 | 09-23-04 | |
| | | | | | | | 114988<br>FN-32 R165 R166<br>PULLED: | 212.00 | 09-27-04 | |
| 39 | M55342K06B22D1R<br>RESISTOR<br>ORIGINAL QUANTITY... | EA | 205.00<br>205.00 | RSVD | 205.00 | 114821 | GKCF2 114821<br>FN-R150 thru R164 R303 R421 thru R435 R438 thru R453 R456 thru R471 R474 thru R489 R492 thru R507 R510 thru R525 R528 thru R543 R546 thru R561 R564 thru R579 R582 thru R597 R600 thru R615 R618 thru R633<br>PULLED: | 5180.00 | 09-23-04 | |
| ** | M55342K06B100R<br>RESISTOR,CHIP,100W,100 OH<br>ORIGINAL QUANTITY... | EA | 60.00<br>60.00 | RSVD | 60.00 | 114822 | GKCF2 114822<br>FN-35 R124 R126 R135 R301 R302 R407 thru R420 R436 R437 R454 R455 R472 R473 R490 R491 R508 R509 R526 R527 R544 R545 R562 R563 R580 R581 R598 R599 R616 R617 R634 R635 R636 R637 R638 R639 R644 R645 R646 R647 R731 R732 R733 R734 R735 R736 R737 R738<br>PULLED: | 4506.00 | 09-23-04 | |
| | | | | | | | 114998<br>FN-35 R126 R128 R135 R301 R302 R407 thru R420 R436 R437 R454 R455 R472 R473 R490 R491 R508 R509 R526 R527 R544 R545 R562 R563 R580 R581 R598 R599 R616 R617 R634 R635 R636 R637 R638 R639 R644 R645 R646 R647 R731 R732 R733 R734 R735 R736 R737 R738<br>PULLED: | 6.00 | 09-27-04 | |
| 41 | M55342K05B100ER<br>RESISTOR,CHIP,.100W,100K<br>ORIGINAL QUANTITY. | EA | 50.00<br>50.00 | RSVD | 50.00 | 114823 | GKCF2 114823<br>FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R360 R367 R368 R375 R377 thru R382 R397 R398 R399 R400 R401 R404 R405 R406<br>PULLED: | 2236.00 | 09-23-04 | 500 |
| | | | | | | | 114999<br>FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R366 R367 R368 R375 R377 thru R382 R397 R398 R400 R401 R404 R405 R406<br>PULLED: | 160.00 | 09-27-04 | |
| | | | | | | | 99995<br>FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R366 R367 R368 R375 R377 thru R382 R397 R398 R400 R401 R404 R405 R406<br>PULLED: | 40.00 | 01-08-04 | |
| 42 | M55342K06B200DA<br>RESISTOR<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114824 | GKCF2 114824<br>FN-37 R402 R403<br>PULLED: | 192.00 | 09-23-04 | |
| ** | 9311P18-056T56<br>TRANSISTOR, SM<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 0.00 | 114825 | GKCF2 114825<br>FN-41 R1 R2<br>PULLED: | 36.00 | 09-23-04 | |
| | | | | | | | 115004<br>FN-41 R1 R2<br>PULLED: | 46.00 | 09-27-04 | |
| 44 | 5962R9869103QYC<br>IC | EA | 4.00 | RSVD | 4.00 | 120269 | GKCF2 120269<br>FN-01 U49 U50 U51 U52 | 80.00 | 12-16-04 | |

ORIGINAL QUANTITY... 4.00

FULLED:

114826
FN-21 U49 U50 U61 U52
FULLED:

4.00 09-23-04 DRY-10

( NEW )

WORK ORDER : 112008 — WORK ORDER PICK LIST — PAGE: 5

ASBLY # : LAT-DS-01648 — SY LINE ITEM — EFFECTIVITY DATE: 02-03-05
QUANTITY : 1 — RELEASE DATE : 12-21-04
W.O LOCATION: WO2 — DATE PRINTED : 02-04-05

DATE PULLED: _____ PULLED BY: _____

| Line# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVTORY DETAIL: LOT NUMBER / INVLOC | LOT QUANTITY | LOT DATE | BIN LOT LIFE | BINLOC QUANTITY | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | M55342K06B49D9R<br>RESISTOR,CHIP,.100W,49.9<br>ORIGINAL QUANTITY... | EA | 4.00<br>4.00 | RSVD | 4.00 | 36398 | SKCF2 36398<br>FN-34 R648 R649 R650 R651<br>PULLED: | 17.00 | 03-23-03 | CF3D | | |
| | | | | | | | 114827<br>FN-34 R648 R649 R650 R651<br>PULLED: | 234.00 | 09-23-04 | | | 4 |
| 46 | M55342K09B1F00R<br>RESISTOR<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114828 | SKCF2 114828<br>FN-27 R391 R392<br>PULLED: | 88.00 | 09-23-04 | | | |
| | | | | | | | 114965<br>FN-27 R391 R392<br>PULLED: | 229.00 | 09-27-04 | | | 2 |
| 47 | M55342K05B5R11R<br>RESISTOR<br>ORIGINAL QUANTITY... | EA | 2.00<br>2.00 | RSVD | 2.00 | 114829 | SKCF2 114829<br>FN-30 R642 R643<br>PULLED: | 240.00 | 09-23-04 | | | |
| | | | | | | | 114963<br>FN-30 R642 R643<br>PULLED: | 232.00 | 09-27-04 | | | 2 |
| 48 | M55342K06B10B0R<br>RESISTOR,CHIP,.100W,10K O<br>ORIGINAL QUANTITY... | EA | 23.00<br>23.00 | RSVD | 23.00 | 114830 | SKCF2 114830<br>FN-31 R3 R145 R146 R147 R148 R149 R150<br>R151 R167 R168 R171 R172 R177 R179 R296<br>R640 R641 R478 R749 R750 R751 R752 R753<br>PULLED: | 619.00 | 09-23-04 | CF2C | | |
| | | | | | | | 114967<br>FN-31 R3 R145 R146 R147 R148 R149 R150<br>R151 R167 R168 R171 R172 R177 R179 R296<br>R640 R641 R478 R749 R750 R751 R752 R753<br>PULLED: | 697.00 | 09-27-04 | | | 23 |
| | | | | | | | 91324<br>FN-31 R3 R145 R146 R147 R148 R149 R150<br>R151 R167 R168 R171 R172 R177 R179 R296<br>R640 R641 R478 R749 R750 R751 R752 R753<br>PULLED: | 88.00 | 09-24-03 | | | |

# DEFECT RECORD REPORT

ID: 29910

**PART NUMBER:** LAT-DS-01646
**WORK ORDER:** 112008
**SALES ORDER:** F17200
**QUANTITY:** 1 **RW QTY:** 1
**CUSTOMER:** SLAC

**INSPECTION TYPE:** POST REFLOW
**INSPECTION LEVEL:** I
**INSPECTOR:** HUBBARD

**OFE SOLDER:**
**OFE ASSEMBLY:**
**DATE:** 3/8/2005
**WEEK CODE:** 12

| SERIAL NO. | QUANTITY | OPERATOR | DEFECT CODE | WORKCELL | DEFECT DESCRIPTION | REF DES | PIN NOTES |
|---|---|---|---|---|---|---|---|
| 108 | 2 | 1196 | S413 | | BRIDGING | JT2 | Reworked 3/8/05 |
| 108 | 3 | 1196 | S413 | | BRIDGING | JT0 | |
| 108 | 3 | 1196 | S413 | | BRIDGING | JC1 | |

3/8/05

# DEFECT RECORD REPORT

ID: 29341

PART NUMBER: LAT-DS-01646
WORK ORDER: 112008
SALES ORDER: 117200
QUANTITY: 1 RW QTY: 1
CUSTOMER: SLAC

INSPECTION TYPE: POST REFLOW
INSPECTION LEVEL: I
INSPECTOR: HUBBARD
WORK CELL: 4-MIXED

OFE SOLDER: 0
OFE ASSEMBLY: 0
DATE: 2/11/2005
WEEK CODE: 8

| SERIAL NO. | QUANTITY | OPERATOR | DEFECT CODE | WORKCELL | DEFECT DESCRIPTION | REF DES | PIN NOTES |
|---|---|---|---|---|---|---|---|
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U6 | |
| 108 | 1 | | A307 | | DAMAGED COMP | R481 | |
| 108 | 2 | | S402 | | INSUFFICIENT SOLDER | U5 | |
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U61 | |
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U54 | |
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U3 | |
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U56 | |
| 108 | 4 | | S402 | | INSUFFICIENT SOLDER | U4 | |
| 108 | 2 | | S402 | | INSUFFICIENT SOLDER | U58 | |

5/4/05

# REWORK TRAVELER

| SO NO: F17300 | PART NO: SLAC LAT-DS-01646 | REV: 56 |
|---|---|---|
| ASSEMBLY NAME: TEM CCA | | QTY: 1 |

| APPROVAL | | | | | | | |
|---|---|---|---|---|---|---|---|
| G.POZZI (Original signed editions reserved for copying) | | G.HEFKIN | 4-18-05 | K. BERGTHOLDT | 4/18/05 | P. LUJAN | |
| PREPARED BY | DATE | ENG MGR SVP | DATE | QA MGR | DATE | SLAC SOURCE | DATE 4/19/05 |

| STEP | OPERATION | Operator Sign Off. | Date | Time spent |
|---|---|---|---|---|
| 1 | Record serial numbers: TEM LAT-DS-01646 SN GT- 108 GLAT- 1759 | | | |
| 2 | **OPERATOR:** INSPECT FOR CLEANLINESS AND DEBRIS<br>USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER.<br>PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS.<br>VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED.<br>**NO SOLDER BALLS ALLOWED.** | 1337 | 4/20/05 | |
| 3 | AQUEOUS CLEAN USING RECIPE #3 | 1337 | 4/20/05 | |
| 4 | **INSPECTION:** INSPECT FOR BOARD CLEANLINESS. **NO SOLDER BALLS ALLOWED.** | 1337 | 4/20/05 | |
| 5 | **SOURCE INSPECTION** | LAT TO QA | 4.25.05 | |
| | | | | |
| | | | | |
| | | | | |

CRANE AEROSPACE & ELECTRONICS General Technology Corporation

# CONFORMAL COATING DATA SHEET

**CCA P/N:** LAT-DS-01646 GLAT 1759 GT108

**W.O. #:** 112008

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

**Date:** 4/27/05

## MIX RATIOS

**Coating TYPE:** ARATHANE **Mfr:** HUNTSMAN

**Lot Number:** ~~AK4~~ DM AK4G-B8013A **Expiration Date:** 6/30/05

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

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

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

WORK CELL: 4-MIXED CUSTOMER: SLAC

T PRODUCTION WORK ORDER TRAVELLER - NEW

PAGE 1

ASY#/PN# LAT-DS-02588
ASSY, CABLE, CONN. TEN

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

*SERIAL NUMBER LISTING:*****

N/A

*****APPROVAL:---

PROD RH 2/4/05

QA: MM 2.4.05

*WORKMANSHIP:----------

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

| LOT-NO. | LOT-QTY | SERIAL NUMBERS | SEQ NO. | REASON | APPRV &DATE |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*(wohdr rev 05.19.04 glh)----------

ESD SENSITIVE

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 200 | | | 00 | CONFIG RECORD/KITTING CONFIG | 0.0000 | 0.0000 | 0.0000 | |

* * * * * * * * * * CONFIGURATION DOCUMENTS * * * * * * * *

| DOCUMENT NUMBER | REV | FD/PL | OUTSTANDING EO'S |
|---|---|---|---|
| ASSY & PL: LAT-DS-02588 | | 51 | NONE |

TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC

* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * * *

USE... TRAVELER AND DRAWING

*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.02.05 *

| DATE.... | QTY.. | REMARKS..... | STATUS |
|---|---|---|---|
| 2-4-05 | | | |

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW



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

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

CUST PP
QTY 19
PROJECT# F17200
CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... | LINE-MACH | HOURS SU-LOT. |
|---|---|---|---|---|---|---|---|---|
| 2 | 201 | | 00 | STOCKROOM/KITTING AREA<br>KIT PARTS/MATERIALS | 0.0000 | 0.0000 | | 0.0000 |

* WIRE, CRIMP PINS, AND CONNECTOR.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/7/05 | 19 | | |
| | | | |
| | | | |

WORK CELL: 4-MIXED  CUSTOMER: SLAC

PRODUCTION  WORK ORDER TRAVELLER - NEW  PAGE 3

ASSY/PN# LAT-DS-02568
ASSY, CABLE, CONN. TEM

WO# 112026
REQ DATE 02-04-05
REL DATE 01-31-05
SO#
PO# 0000048799
CUST P#
QTY 19
PROJECT# P17200
CUST# 15356

| LI# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN... LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|
| 3 | 220 | | 00 | CABLE/HARNESS ASSY AREA<br>CUT WIRE, STRIP WIRE,<br>CRIMP PIN CONTACTS,<br>TIN LEADS. | 0.0000 | 0.0000 | 0.0000 |

* CRIMP TEST SETUP - GTC-2081.

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

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

... USE SCHLEUNIGER PNEUMATIC WIRE STRIPPER SET UP WITH 24 AWG STRIP BLADES, A STRIP LENGTH OF 3/16" (.19) 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: R Harrison 1970 DATE: 2/9/05 STATUS Pass

* ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
2) STRIP THE INSULATION LEAVING THE SLUG. 3/16 (.19)
3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
   * CUT 59 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM #89
   * CUT 58 PIECES TO 15/16 (.925") LONG. USE PROGRAM #90
4) STRIP SECOND END USING THERMAL TWEEZERS. 3/16
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/ M22520-2-08 TURRET/LOCATOR. GTC-A-463. K42 - mm.

* 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 | QTY | REMARKS | STAT |
|---|---|---|---|
| 2/10/05 | 4 each | 8 7/8"(39) & 1 1/8"(39) @ 4 each | M1970 |
| 3.10.05 | 8 | 1 1/8 (340) 1" (200) 1 5/16 (175) | H.6. #1941 |
| 3.11.05 | 8 | 1 1/8 strips | H.6. #1941 |

Cut 1-4 rm 1337 4/26/05
move to Start pg 3A

EQUIPMENT CHANGE: EUBANKS 3/16" STRIP LENGTH to 1/4" (.19) 3-01-05 2-8-05

Crimp Tensile Strength Sheet attached

(1)(2)(3)&(4) - performed using S.90

3/16 (.19)
USE PROGRAM #89 } ON EUBANKS
USE PROGRAM #90 }

2-8-05

3.11.05 & 5/16 strips H6 # 1941

3.11.05 crimps 1 5/16 H6. # 190

3-9-05 MV 1942 1" str
3.12.05 tinning H6. #1941 1 5

3.14.05 crimp/tin 1" (46) H6. #
3.14.05 crimp/tin 1 1/8 (96) H6. #
3.14.05 crimp/tin 1 1/8 (235) H6.
3.14.05 crimp/tin (126) 1" H6. #K

* pre-Assy crimp test 7.28.05 pass H6. #1941
pre-Assy crimp test 3.1.05 pass H.6. #1941
" " 3.2.05 pass H.6. #1941
" " 3.3.05 pass H.6. #1941
no crimping on 3.4.05
pre-Assy crimp test 3.5.05 pass H.6. #1941
" " 3.7.05 pass H6. #1941
pre-Assy crimp test 3.14.05 pass H6. #1941
pre-Assy crimp test 3.21.05 pass H.6. #1941

see page 3A - continued

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112035 PAGE 4
ASSY/TN# LAT-DS-02589 REQ DATE 02-06-05 CUST P#
ASSY, CABLE, CONN, TEM REL.DATE 01-31-05 QTY 19
SO# PROJECT# F17200
PO# 0000048799 CUST# 15356

| Li# | DEPT | MACH# | OP# | DESCRIPTION | HOURS SET-UP | HOURS RUN | HOURS LINE-MACH | HOURS ST-LOT |
|---|---|---|---|---|---|---|---|---|
| 4 | 290 | | 00 | QUALITY ASSURANCE AREA OPE: SLDR-79 ASSY-312 | | 0.0000 | 0.0000 | 0.0000 |

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

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

| S | 320 | | 00 | CABLE/HARNESS ASSY AREA INSERT CRIMP CONTACTS TO CONNECTOR | | 0.0000 | 0.0000 | 0.0000 |
|---|---|---|---|---|---|---|---|---|

3/11/15 1/5/16 inspector y strip 4 strips 1/11 3/11/05 1/11 1/11 strip 3/11/05

strips, crimps & tinning 3/4/05

8-23-05

* INSERT TERMINATED WIRES TO CONNECTOR.
...INSERT LONGER WIRES (1-~~5~~16) INTO HOLE NUMBERS 1 THRU ~~59~~ 20.
...INSERT SHORT WIRES (17-~~59~~) INTO HOLE NUMBERS 60 THRU 78. Insert 1 1/8 wires into 21 Through 59
...ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/17/05 | 4 | | PM 1970 |
| 3.15.05 | 2 | | H.6.#1941 |
| 3.21.05 | 1 | | H.6.#1941 |

3.21.05 3 completed H.6 #1941

| F | 290 | | 00 | QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-78 | | 0.0000 | 0.0000 | 0.0000 |
|---|---|---|---|---|---|---|---|---|

* INSPECT INSERTED WIRES.
** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.
DRR#(S) _____
ROUTE FOR WO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01040.

| DATE | QTY | REMARKS | STATUS |
|---|---|---|---|
| 2/17/05 | 4 | AMP206504-1 Conn inserts. Step 5. | |
| 3-15-05 | 2 | AMP 206504-1 Conn. Check wires | |
| 3/21-05 | 1 | | |
| 3/22/05 | 3 | Conn | |

( NEW )

WORK ORDER : 112026 — WORK ORDER PICK LIST — PAGE: 1

ASSLY # : LAT-DS-02588 — BY LINE ITEM — EFFECTIVITY DATE: 02-04-05
QUANTITY : 19 — RELEASE DATE : 01-31-05
LOCATION: WO2 — DATE PRINTED : 02-07-05

DATE PULLED: _____ PULLED BY: _____

| Li# | PART NUMBER AND DESCRIPTION | UM | REQUIRED QUANTITY | CURR STAT | STATUS QUANTITY | RESV IN LOT # | INVLOC | LOT NUMBER | INVTORY DETAIL LOT QUANTITY | LOT DATE | BIN LOC | BIN QUANTITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 206504-1<br>AMPLIMITE<br>ORIGINAL QUANTITY... | EA | 1.00<br>19.00 | RSVD | 19.00 | 114794 | SKCF2<br>FN-1 | 114794<br>PULLED: | 22.00 | 09-23-04 | | |
| 2 | M22759/11-24-9<br>WIRE, 24AWG, WHITE<br>ORIGINAL QUANTITY... | IN | 102.00<br>1938.00 | RSVD | 1938.00 | 115299 | SKCF2<br>FN-3 | 115299<br>PULLED: | 35994.00 | 11-01-04 | | |
| 3 | 204370-8<br>PIN, CRIMP<br>ORIGINAL QUANTITY... | EA | 84.00<br>1596.00 | RSVD | 1596.00 | 114796 | SKCF2<br>FN-2 | 114796<br>PULLED: | 1997.00 | 09-23-04 | IN ASSY | |
| | | | | | | | FN-2 | 115041<br>PULLED: | 972.00 | 12-27-04 | F17200 | |

The following parts have been defined as alternates for 206504-1:
Li# 1.1 311P407-5P-B-15 1 PER
Partial quantity replacements are allowed.

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

0750

# CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | RHODA MARMON / 1970 | TEST DATE: 2/09/05 |
| CONTACT PN: | 204370-8 | |
| WIRE PN: | M22759/11-24-9 | TESTED BY: RHODA MARMON 1970 |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A-930) | |
| DIE/LOCATOR PN (GTC Tool #): | M22520/02-09 (GTC-#-831) | WORK ORDER NO.: 112026 |
| SELECTOR VALUE: | 3 | |
| TEST EQUIP # (Last CAL date): | ALPHATRON MAF 2UA (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) | (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 rqd):

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 #: | / | TEST DATE |
| CONTACT PN: | | 2/09/05 |
| WIRE PN: | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | (GTC- ) | Ritoos Marmon 1970 |
| DIE/LOCATOR PN (GTC Tool #): | (GTC- ) | WORK ORDER NO. |
| SELECTOR VALUE: | | 112026 |
| TEST EQUIP # (Last CAL date): | ( ) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | | No. 2 | | No. 3 | |
|---|---|---|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | | 10 | | 10 | |
| MEASURED TENSILE STRENGTH: | 13.2 | | 13.4 | | 13.5 | |
| PASS/FAIL (circle test result) | (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} | | | JPM | | JPM | |
| OTHER (define) {f} | | | | | | |

SPECIAL INSTRUCTIONS (as rqd):

0830

# CRIMP TENSILE STRENGTH

LAT-05-02548

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | RHODA MARLOW / 1970 | TEST DATE: 2-15-05 |
| CONTACT PN: | 204370-8 | |
| WIRE PN: | M22759/11-24-9 | TESTED BY: RHODA MARLOW 197 |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A-830) | |
| DIE/LOCATOR PN (GTC Tool #): | M22520/02-09 (GTC-A-831) | WORK ORDER NO.: 112026 |
| SELECTOR VALUE: | 3 | |
| TEST EQUIP # (Last CAL date): | ALPHATRON MP 200A (6-1704) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 12.8 | 13.5 | 13.3 |
| PASS/FAIL (circle test result) | (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 rqd):

KB2251355

# CRIMP TENSILE STRENGTH

LAT-05-02558

MIL-STD-1344; METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | 1 | TEST DATE |
| CONTACT PN: | | 2/15/05 |
| WIRE PN: | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | (GTC- ) | Rhoda Marmon |
| DIE/LOCATOR PN (GTC Tool #): | (GTC- ) | WORK ORDER NO. |
| SELECTOR VALUE: | | Per H02/12026 |
| 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) | (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 rqd):

1:10 PM.

# CRIMP TENSILE STRENGTH

Lot-05-02588

MIL-STD-1344: METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Hedie Gray 1#1441 | TEST DATE |
| CONTACT PN: | 704370-8 | 2.28.05 |
| WIRE PN: | M22759/11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-1490) | Hedie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC-1631) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 112026 |
| TEST EQUIP # (Last CAL date): | Aldatron MPF 210A (~~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 rqd):

8:45 a.m. **CRIMP TENSILE STRENGTH** Lot-#5-02588

MIL-STD-1344: ~~METHOD~~ 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1#941 | TEST DATE |
| CONTACT PN: | 704370-8 | 3.1.05 |
| WIRE PN: | M22759 / 11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520 / 2-01 (GTC# 830) | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520 / 2-09 (GTC# 831) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 117026 |
| TEST EQUIP # (Last CAL date): | Alpha Tech MPF 20-A (~~6-2-04~~) 11-8-05 | |
| 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: | 13.8 | 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 rqd):

7:42 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 #: | Hobie Gray 1=7941 | TEST DATE |
| CONTACT PN: | 704370-8 | 3.3.05 |
| WIRE PN: | M22759 / 11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC 1-870) | Hobie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC 1-831) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 117026 |
| TEST EQUIP # (Last CAL date): | Alpha MPE 201 (~~1-1505~~) 6-17-04 | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

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 #1012) | | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC #631) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112026 |
| TEST EQUIP # (Last CAL date): | Aldutron MPF 204 (6.17.04) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

8:50 a.m. **CRIMP TENSILE STRENGTH** Cat. 05-02588

MIL-STD-1344: METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1#1941 | TEST DATE |
| CONTACT PN: | 204370-8 | 3.7.05 |
| WIRE PN: | M22759/11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC#1-630) | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC#1-631) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 117026 |
| TEST EQUIP # (Last CAL date): | Hdwtch MPF700A (1.18.05) | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 13.0 | 12.8 | 13.0 |
| PASS/FAIL (circle test result) | (PASS) FAIL | (PASS) FAIL | (PASS) FAIL |
| | Type of Separation Observed | | |
| SLIP (pull out) {a} | | | |
| CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b} | | ✓ | |
| CONTACT BROKEN IN CRIMP AREA (some or all) {c} | | | |
| CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d} | ✓ | | ✓ |
| CONTACT BROKEN OUTSIDE OF CRIMP AREA {e} | | | |
| OTHER (define) {f} | | | |

SPECIAL INSTRUCTIONS (as rqd):

7:45 a.m. **CRIMP TENSILE STRENGTH** Lot-05-02588

MIL-STD-~~1344~~, METHOD 2003.1

| TEST TYPE (circle one): | PRE - PROD | POST - PROD |
|---|---|---|
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1#1991 | TEST DATE |
| CONTACT PN: | 204370-8 | 3.7.05 |
| WIRE PN: | M22759 / 11-24-9 | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC 41012) | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC 4831) | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | 112026 |
| TEST EQUIP # (Last CAL date): | Micro MDT-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 | 13.1 | 13.7 |
| 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 rqd):

# CRIMP TENSILE STRENGTH lot #15-02588

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | (PRE) PROD | POST - PROD | |
| CRIMP OPERATOR NAME/EMP #: | Herbie Gray 1#1941 | | TEST DATE |
| CONTACT PN: | 20437O-8 | | 3.14.05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC# 102) | | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520/2-09 (GTC# 036) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112026 |
| TEST EQUIP # (Last CAL date): | Hunter MPT-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: | 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 rqd):

# 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 # 1441 | | TEST DATE |
| CONTACT PN: | 204370-8 | | 3.21.05 |
| WIRE PN: | M22759 / 11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520 / 2-01 (GTC # 1012) | | Herbie Gray |
| DIE/LOCATOR PN (GTC Tool #): | M22520 / 2-09 (GTC # 836) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112026 |
| TEST EQUIP # (Last CAL date): | Alpha Mpt-2004 (6.17.04) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

| SAMPLE NUMBER: | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| MINIMUM TENSILE STRENGTH: | 10 | 10 | 10 |
| MEASURED TENSILE STRENGTH: | 13.6 | 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 rqd):

Assy LAT-DS-02588

# CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | (PRE - PROD) | POST - PROD | |
| CRIMP OPERATOR NAME/EMP #: | Dora 113371 | | TEST DATE |
| CONTACT PN: | 204370-8 (C608P1) | | 4/28/05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-AG10) | | Dora |
| DIE/LOCATOR PN (GTC Tool #): | M22520-2-09 (GTC- ) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112026. |
| TEST EQUIP # (Last CAL date): | 6/17/04 Due 6/17/05 GTC-951 | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

Assy LAT-DS-0258

# CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

| | | | |
|---|---|---|---|
| TEST TYPE (circle one): | PRE - PROD | (POST - PROD) | |
| CRIMP OPERATOR NAME/EMP #: | Nora 11337 | | TEST DATE |
| CONTACT PN: | 204370-8 (608P1 | | 4/28/05 |
| WIRE PN: | M22759/11-24-9 | | TESTED BY |
| CRIMP TOOL PN (GTC Tool #): | M22520/2-01 (GTC-A610) | | nora |
| DIE/LOCATOR PN (GTC Tool #): | M22520-2-09 (GTC- ) | | WORK ORDER NO. |
| SELECTOR VALUE: | 3 | | 112026 |
| TEST EQUIP # (Last CAL date): | 6/17/04 Due 6/17/05 (GTC P511) | | |
| PULL RATE: | 1" +/-.25" per min. | OTHER PULL RATE: | |

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

# GENERAL TECHNOLOGY CORPORATION
# NONCONFORMANCE MATERIAL/RMA REPORT

| | |
|---|---|
| NCMR NUMBER | 2294 |
| DATE | 4/11/2005 |
| CUSTOMER | SLAC |
| CUSTOMER CONTACT | Pat Lujan |
| VENDOR | |
| PART NUMBER | LAT-DS-02388 |
| LOT QUANTITY | 8 |
| SALES ORDER | F17300 |
| PURCHASE ORDER | 48800 |
| LOT NUMBER | |
| WORK ORDER | 112064 |
| INITIATOR | Pat Lujan |
| ASSIGNED TO | SLAC |
| DATE REQUIRED | |
| ASSIGNED TO SIGNATURE | Pat Lujan |

| | |
|---|---|
| CUSTOMER RETURN | ☐ |
| RMA NUMBER | |
| QUANTITY RETURNED | |
| VENDOR DEFECT | ☐ |
| QUANTITY REJECTED | |
| PRODUCTION DEFECT | ☑ |
| QUANTITY REJECTED | 8 |
| REWORK REQUIRED | ☐ |
| QUANTITY REWORKED | 0 |
| PURCHASING DEFECT | ☐ |
| PURCHASING QUANTITY REJECTED | |

**DISCREPANCY**

IS: Insufficient staking on tantalum capacitors

S/B: Staking material should be in contact with both endfaces of the component.

GLAT SN's 1774,1775, 1776, 1778, 1779, 1780, 1781, 1782

**NOTES**

Per MRB Telecon held 4-15-2005:
Staking of sleeved Ta capacitors on TPS CCA LAT-DS-02388 is acceptable as is. Capacitors are staked along entire length but no staking comes in direct contact with the capacitor body. A thin bead of staking compound would have to be applied to the ends of the capacitor to reach inside the open ends of the sleeving. Photos of typical staking of the capacitors were reviewed and MRB agreed that the existing staking along with conformal overcoat would provide sufficient mechanical staking of the Ta capacitors to the CCA. Rework is not required for any staked Ta capacitors on TPS CCAs.

**CAUSE**

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

**CORRECTIVE ACTION**

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

| | |
|---|---|
| FINAL DISPOSITION | USE AS IS |
| Q/A APPROVAL | E-mails on file |
| Q/A APPROVAL DATE | 4/15/2005 |

# GENERAL TECHNOLOGY CORPORATION
# NONCONFORMANCE MATERIAL/RMA REPORT

| | |
|---|---|
| NCMR NUMBER | 2305 |
| DATE | 4/14/2005 |
| CUSTOMER | SLAC |
| CUSTOMER CONTACT | Pat Lujan |
| VENDOR | |
| PART NUMBER | LAT-DS-02338 |
| LOT QUANTITY | 19 |
| SALES ORDER | F17300 |
| PURCHASE ORDER | 48800 |
| LOT NUMBER | |
| WORK ORDER | 112064 |
| INITIATOR | Pat Lujan |
| ASSIGNED TO | SLAC |
| DATE REQUIRED | 4/25/2005 |
| ASSIGNED TO SIGNATURE | SLAC |

| | |
|---|---|
| CUSTOMER RETURN | ☐ |
| RMA NUMBER | |
| QUANTITY RETURNED | |
| VENDOR DEFECT | ☐ |
| QUANTITY REJECTED | |
| PRODUCTION DEFECT | ☑ |
| QUANTITY REJECTED | 19 |
| REWORK REQUIRED | ☑ |
| QUANTITY REWORKED | 19 |
| PURCHASING DEFECT | ☐ |
| PURCHASING QUANTITY REJECTED | |

**DISCREPANCY**

IS: On components Q10, Q11, and Q12 solder is grainy and cold exhibiting evidence of gold embrittlement.

SB: Should exhibit a properly wetted solder joint.

This condition exists on GT104 thru GT122. GLAT 1774 thru GLAT 1782.

**NOTES**

Per MRB Telecon held 4-15-2005:
MRB concluded to remove and replace mosfets (P/N IRHNJ597034SCS. DLC 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-tinned prior to surface mount. Grainy, discolored solder joints indicated excessive gold contamination that could result in embritting the joint.

**CAUSE**

Parts were provided in bulk to GTC. GTC outsourced tape and reel operation. Parts were not pre-tinned prior to Surface Mount Assembly.

**CORRECTIVE ACTION**

Schedule a MRB meeting with SLAC and GTC to determine method of removal, pre-tin, and reworking of these components.

Remove and replace with properly removed Gold per J-STD-001CS Para. 5.4.1.

SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.

**FINAL DISPOSITION** REWORK

**Q/A APPROVAL** E-mails on file

# *GENERAL TECHNOLOGY CORPORATION*
# *NONCONFORMANCE MATERIAL/RMA REPORT*

| | |
|---|---|
| *Q/A APPROVAL DATE* | 4/15/2005 |
| *COST OF QUALITY* | |

# GENERAL TECHNOLOGY CORPORATION
# NONCONFORMANCE MATERIAL/RMA REPORT

| | |
|---|---|
| NCMR NUMBER | 2323 |
| DATE | 4/25/2005 |
| CUSTOMER | SLAC |
| CUSTOMER CONTACT | Pat Lujan |
| VENDOR | |
| PART NUMBER | LAT-DS-02388 |
| LOT QUANTITY | 19 |
| SALES ORDER | F17300 |
| PURCHASE ORDER | 48800 |
| LOT NUMBER | All TPS |
| WORK ORDER | |
| INITIATOR | Pat Lujan |
| ASSIGNED TO | Tarkington |
| DATE REQUIRED | 4/28/2005 |
| ASSIGNED TO SIGNATURE | |

| | |
|---|---|
| CUSTOMER RETURN | ☐ |
| RMA NUMBER | |
| QUANTITY RETURNED | |
| VENDOR DEFECT | ☐ |
| QUANTITY REJECTED | |
| PRODUCTION DEFECT | ☐ |
| QUANTITY REJECTED | |
| REWORK REQUIRED | ☑ |
| QUANTITY REWORKED | 19 |
| PURCHASING DEFECT | ☐ |
| PURCHASING QUANTITY REJECTED | |

**DISCREPANCY**

IS: Cable Tie are trimmed below strap head.

Should Be: Per NASA-STD-8739.4 Para. 9.6.2. Cable ties should be trimmed flush at the strap head.

**NOTES**

During Qual - 2 the material used to stake the cable tie heads did not adhere properly. The requirement was deleted from the drawing.

**CAUSE**

Tool used to install cable ties was not adjusted properly

**CORRECTIVE ACTION**

Install cable ties with properly adjusted tool or manually Per NASA-STD_8739.4 Para. 9.6.2 Stake with Hysol 0151. Add Staking requirements to drawing. Rework all assemblies per rework traveler.

| | |
|---|---|
| FINAL DISPOSITION | REWORK |
| Q/A APPROVAL | E-mails on file |
| Q/A APPROVAL DATE | 4/15/2005 |
| COST OF QUALITY | |