

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

SHIPPER  
SHIPPER NUMBER F17301.16  
SALES ORDER NUMBER F17301  
SHIP DATE 07/13/05  
PAGE 1

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

B 15356  
I SLAC  
L ACCOUNTS PAYABLE  
L 2575 SAND HILL RD M/S85  
MENLO PARK, CA 94025  
T  
O

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

CUSTOMERS PO: 0000053627 RESALE.NO:

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

Special Inspection is required.

I#	ORDER/	QTY	UM	PART/DESCRIPTION	UNITS/PKG	SHIP QTY	LOT NO
1	12	EA		LN1-DS-01643 ASSY, UNIT-TEM/TPS S/N: GT120 GLAT1847. QTY DUE...: 2	52	1.00	1 132045

SHIP VIA: UPSR  
WAYBILL#:

Certificate of Conformance

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

*John A. Martin* (Signature) 7/13/05

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

**END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT120 GLAT1847**

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# 113239 : S/N (above SN)

TPS Unit: LAT-DS-01482 WO# 113208 : S/N GT07 GLAT1815

TPS CCA: LAT-DS-02388 WO# 112060 : S/N GT107 GLAT1777

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# 113119 : S/N GT118 GLAT1807

TEM CCA: LAT-DS-01646 WO# 112018 : S/N GT118 GLAT1769

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

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

( LAT-DS-02388 / NUMR 2224, 2305, 2323, 2294 )

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

LAT-DS-01643: Rev No. (Dwg/PL - 53 )

LAT-DS-01481: Rev No. (Dwg/PL - 54 )

LAT-DS-01482: Rev No. (Dwg/PL - 55 )

LAT-DS-01646: Rev No. (Drawing - 57 )

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

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

LAT-TD-02391: Rev No. (PL - 56 )

LAT-DS-02830: Rev No. (Dwg/PL - 53 )

LAT-DS-02831: Rev No. (Dwg/PL - 52 )

LAT-DS-02588: Rev No. (Dwg/PL - 57 )

**END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT120 GLAT1847**

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

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

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

TR# vs. TEM CCA LAT-DS-01646: \_\_\_\_\_

TR# vs. TPS CCA LAT-DS-02388: \_\_\_\_\_

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

( LAT-DS-02388 / 29410, 29379    LAT-DS-02830 / 29517    LAT-DS-01646 / 29517 )  
1305 11

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

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

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

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

3/4 view of TEM LAT-DS-01481 { } 3/4 view of TPS Unit LAT-DS-01482 { } ✓

3/4 view of TEM/TPS Unit LAT-DS-01643 { } ✓

Completed by: *Cynthia Martini*

Date: 7-14-05

GTC QA Acceptance: \_\_\_\_\_ 

Date: 7-14-05

SLAC QAR Acceptance: \_\_\_\_\_ 

Date: 7.25.05

WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

/RNR LAT-IG-01643  
UNIT-DEM/120

W# 113333  
DATE 02-12-05  
CUST PR  
PROJECT QTY 1  
COST# 17101  
COST# 15356

CUST PR  
PROJECT QTY 1  
COST# 17101  
COST# 15356

-SERIAL NUMBER -----  
GT120 GLAT1847

APPROVAL:\*\*\*  
PROD: Ret/5-3-05  
CA: MLK/5-3-05

\*\*\*\*\*WORKMANSHIP\*\*\*\*\*  
IPC/PIA-U-STD-201C CLASS 1; WITH "CS" SPACE SUPPLEMENT

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

-----HR 02.12 05-----

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



1 100 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000  
CONFIG

\*\*\*\*\* CONFIGURATION DOCUMENTS \*\*\*\*\*  
DOCUMENT NUMBER REV ED/PL OUTSTANDING ED'S  
ASSY DWG. LAT-IG-01643 53 NONE  
BOM PL. IGAME - ON DWG  
CUST SOW: LAT-IG-02615/03078 01 NONE  
VIBE/TC: (NOT ASSIGNED); WAS SW-282; SOW DELETED GTC DO.)  
ASSY AID: LAT-IG-01643 (RELEASED PER ED 2479)  
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)  
BUILD DOCUMENTS  
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.  
\* SEE LAST PAGE OF WO (FOOTER) FOR TRAVELER REV/CHG RECORD \*

DATE	QTY	REMARKS	STATUS
5/3/05			MLK



2 101 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000  
KITTING

\* PROCESS MATERIAL PER CAA STEP 2:

DATE	QTY	REMARKS	STATUS
5/17/05	1		Lina SCCA

Handwritten notes and stamps at the bottom right of the page.

WORK CELL: 1-BIG RIDGER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

LINE: UNIT-TEM/TPS

W/O # 112299  
REQ DATE 05-16-05  
REL DATE 05-21-05  
SCH 112301  
PC# 0000053427

CUST #  
PROJECT #  
CUST#

112301  
10300

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



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

PROCESS ASSY PER CAA STEP 3

DATE	QTY	REMARKS	STATUS
07/13/05	1		BYP (1288)

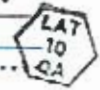


4 210 00 CCA/BLACK BOX ASSY AREA  
TORQUE FASTENERS. 0.0000 0.0000 0.0000

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

TORQUE TOOL # GTC-A-977  
GTC-E-944 CAL DUE DATE: 08/05

DATE	QTY	REMARKS	STATUS
07/13/05	1		BYP (1288)
7/13/05	1	WITNESS TORQUE	



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

- PROCESS ASSY PER CAA STEP 5
  - RECORD MATERIAL DATA BELOW:
- ADHESY 01E1: GTC P04 31403 EXPIRATION DATE 01/31/07  
CURE DATE/TIME: START 07/13/05 10:50 AM STOP 12:30 PM

DATE	QTY	REMARKS	STATUS
07/13/05	1		BYP (1288)

**MARKING & LABEL**

RECORD MATERIAL DATA BELOW:

INK SPANER: GTC FOR 31201 EXPIRATION DATE 04/27/07  
 LOT # (PT A) 200409080033  
 LOT # (PT B) 200407026071  
 MIX RECORD (PT A WEIGHT) 10g (PT B WEIGHT) 0.6g  
 MARKING DATE/TIME: 07/13/05 10:50 AM - 12:30 PM  
 CURE OCCURS AT STAVING STEP 11

Handwritten notes: 10/13/05

DATE	QTY	REMARKS	STATUS
07/13/05			BYP (1288)



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

UNIT# 184-PS-01843  
ASSY: UNIT-TEM/TPS

WCR 113339  
REQ DATE 06-06-05  
DEL DATE 04-21-05  
SO# F17331  
PO# 000003327

CUST #  
CITY  
PROJECT# P.7201  
CUST# 15256

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



6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
OPS: SLDR-0 ASSY-122

PROCESS ASSY PER CAA STEP 6.

RECORD DEFECT REPORT NO. IF APPLICABLE: \_\_\_\_\_

DATE	QTY	REMARKS	STATUS
7/13/05	1		TO ST 219



7 200 00 SOURCE INSPECTION 0.0000 0.0000 0.0000  
EXAMINE BOX JOINING  
AND EID PACKAGE

PROCESS ASSY PER CAA STEP 7.

RECORD DEFECT REPORT NO. IF APPLICABLE: \_\_\_\_\_

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

DATE	QTY	REMARKS	STATUS
7.13.05	1	GLAT 1847 EIU	KAT TO QA
		GLAT 1807 TEM	
		GLAT 1815 TPS	



8 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
OPS: SLDR-0 ASSY-12

PROCESS ASSY PER CAA STEP 8.

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

RECORD DEFECT REPORT NO. IF APPLICABLE: \_\_\_\_\_

DATE	QTY	REMARKS	STATUS
7/13/05	1		

MAIN TITLE: 1-DIG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 4

ASSY: UNIT-ITEM/TPS

WO# 111239  
REQ DATE 05-03-05  
REL DATE 04-01-05  
SQ# 217301-05  
PC# 000053627

COST #  
PROJECT # 217301  
COST# 15384

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



9 299 22 PACKAGING/SHIPPING INSP 0.0000 0.0000 0.0000  
PACKAGING/SHIPPING

\* PROCESS ASSEMBLY PER CAA STEP 9.

DATE	QTY	REMARKS	STATUS
07/13/05	1		SUP(200)

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

CREATED BY: REPAIR FOR ASSY REV. DATE: 04 26 05

REV	CHG	BY	DATE	CHANGE DETAIL
01	BLR	042605		UPDATED FOR UNITS 4 THRU 22.

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

WORK ORDER : 019219

NEW

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY : LAT-DS-01643  
QUANTITY : 1  
LOCATION: WU

BY LINE ITEM

EFFECTIVITY DATE: 05-28-05  
RELEASE DATE: 14-01-05  
DATE PRINTED: 05-17-05

DATE PICKED: \_\_\_\_\_

PICKED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIREMENTS		ASBY IN LOT	INVOIC NUMBER	LOT NUMBER	INVENTORY DETAIL				
			QUANTITY	STAT				QUANTITY	LOT	LOT DATE	BIN	QUANTITY
1	LAT-DS-01643 SKIDS SKID JAG 611X-62 ORIGINAL QUANTITY : 40-00	EA	40-00	REVD	40-00	100107	SKIDS FN 01	110107	40	05-10-07	IN ASSY	
2	1181 AGGRESSIVE WHEEL 400 710 ORIGINAL QUANTITY : 1-00	PC	1-00	SC	1-00		SKIDS FN 01					



WORK CELL: 1-BIG RUNNER

CUSTOMER: SLAC

TIME: 8:00:00

WORK ORDER TRAVELLER - NEW

PAGE 1

FMS LAT-08-01482  
ASSY, GLAST, DAC, 176

WOP 117300  
REQ DATE 14-03-05  
REL DATE 14-03-05  
COP 117300  
POR 000048800

CUST Pa  
KIT 1  
PROCES 117300  
CCSW 15356

SERIAL NUMBER  
GT107 GLAT1815

APPROVAL:  
PROD: KT 5-305  
CAJW 5-3-05

MEMORANDUM  
PROVIA-0-STD-0010 CLASS 3, WITH "CS" SPACE SUPPLEMENT  
SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE  
OF ANY STEP OF THE TRAVELLER/WORK ORDER. SLAC QAR MAY  
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

318 05 28 04

LINE ITEM MACHINE OPER DESCRIPTION SET-UP RUN HOURS LINE MACHINE ST-LOT



1 200 00 CONTROL RECORD/KITTING 0.0000 0.0000 0.0000

CONFIGURATION DOCUMENTS  
DOCUMENT NUMBER REV PD/PL OUTSTANDING 20'S  
ASSY DWG: LAT-08-01482 03 NONE  
FORM P: LANS-01-001 03 NONE  
CUST TRNG: LANS-01-001 03 NONE  
WOP TRNG: NVA TRNG LEVEL  
WOP TRNG: LAT-08-01482  
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)  
BUILD DOCUMENTS  
USE WORK ORDERS, CONTROLLED ASSEMBLY AID, & DRAWINGS  
SEE FOOTER OF WORK ORDER FOR REV HISTORY

DATE QTY REMARKS STATUS

5-3-05 \_\_\_\_\_ KTW



2 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

PROCESS MATERIAL PER QAA STEP 2

DATE QTY REMARKS

5/17/05 1 \_\_\_\_\_

STATUS  
LINA  
200A



WORK CELL - 1-BIG RUDDER

CUSTOMER- SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

PN# LAC-DS-01482  
ASBY, CLAST, DAO, TFS

W# 113208  
REQ DATE 08-06-05  
REL DATE 11-20-05  
SUP # 17300  
PO# 0000048800

CUST PV  
CITY  
PROJECT# 17300  
CUS# 15356

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



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

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

GTC PO# 32131 EXP DATE 10/01/05  
 LOT #1# 32775 (PT #) 32775  
 MIX BECDED (PART A WGT) 15gr (PART B WGT) 1gr

DATE	QTY	REMARKS	STATUS
07/12/05	1		Buy(1288)



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

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER GT 107

DATE	QTY	REMARKS	STATUS
07/12/05	1		Buy(1288)



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

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

TOOL # GTC-E-95 1/2 CAL DUE DATE 08/05  
 GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/12/05	1		Buy(1288)

DATE	QTY	REMARKS	STATUS
7.12.05	1	WITNESS TOOLS	



WORK CELL: L-BIG RUNNER

CUSTOMER: SLAC

TIME: PRODUCTION

WORK ORDER TRAVELLER: NEW

PAGE 3

WPN# LAT-28 01482  
ARRY, GLASCO, IAD, TPS

WKS: 113008  
MFG DATE 01-10-05  
MFG DATE 01-20-05  
FO# 000014822

CUST #  
CITY 1  
PROJECT# 217000  
COST# 13356

LINE DEPT MACH# OP# DESCRIPTION ..... K D U R S  
SETUP RUN... LINE-MACH ST-LOT



0 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL 01

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

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

DATE	QTY	REMARKS	STATUS
07/12/05	1		Byp (1288)
7/21/05	1	WITNESS TORQUE	LAT TO QA



1 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
SECURE TO HARNESS

- \* PROCESS ASSY PER OCA STEP 7.

DATE	QTY	REMARKS	STATUS
07/12/05	1		Byp (1288)

~~BYP 7/12/05 1 Byp~~



2 210 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL 01 TO LID

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

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

DATE	QTY	REMARKS	STATUS
07/12/05	1		Byp (1288)
7/21/05	1	WITNESS TORQUE	LAT TO QA

WIPY TELL, 1-BIG RIGGER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

WIPY/PN# 127 78-01483  
ASSY: SLAC07, DAD: 129

WU# 113308  
REQ DATE 08-08-06  
REL DATE 04-20-05  
SOP 217300  
PO# 0000048800

CUST PR  
CITY  
PROJECT# 217300  
CUST# 12996

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



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

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

ADMSY 0151, QTY PO# 31403 EXPIRATION DATE 01/31/07  
CURE DATE/TIME: START-07/12/05 1:30 PM STOP- 3:30 PM

DATE	QTY	REMARKS	STATUS
07/12/05	1		ByP(1288)



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

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

ADMSY 0151, QTY PO# 31403 EXPIRATION DATE 01/31/07  
CURE DATE/TIME: START-07/12/05 1:30 PM STOP- 3:30 PM

DATE	QTY	REMARKS	STATUS
07/12/05	1		ByP(1288)



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

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

ADMSY 0151, QTY PO# 31403 EXPIRATION DATE 01/31/07  
CURE DATE/TIME: START-07/12/05 1:30 PM STOP- 3:30 PM

DATE	QTY	REMARKS	STATUS
07/12/05	1		ByP(1288)

WORK CELL: 1-813 KUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

Part No: LAC 06-01493  
ASSY: GLA07, DAC, 145

WO# 113208  
REQ DATE 06-06-05  
REL DATE 06-20-05  
S/N# 817900  
PO# 00004900

CUST #  
QTY 1  
PROJECT # 817900  
CUST# 15386

PAGE #

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



12 100 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
STAKE 01 HARDWARE

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

ADHSV 0181: GTC FOR 31403 EXPIRATION DATE 01/31/07  
PURE DATE/TIME: START 07/12/05 1:30PM STOP 3:30PM

DATE	QTY	REMARKS	STATUS
07/12/05	1		By (1288)



13 010 00 OCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
MARKING (SN LABEL)

- \* PROCESS ASSY PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
07/12/05	1		By (1288)



14 000 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
OPD: SIDA-0 ASSY-051

- \* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: \_\_\_\_\_

DATE	QTY	REMARKS	STATUS
7/12/05	1		



15 000 00 SOURCE INSPECTION 0.0000 0.0000 0.0000  
EXAMINE ASSY FOR TICKS

- \* PROCESS ASSY PER CAA STEP 15

RECORD DEFECT REPORT NO. IF APPLICABLE: \_\_\_\_\_

DATE	QTY	REMARKS	STATUS
7/12/05	1	GLAT 1815	

WORK CELL 1-BIG RUNNER

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

ALD/PH: LAT-16-01482  
ASSY: MANT: CAD, TRP

WC# 111308  
REQ DATE 05-06-05  
REL DATE 05-06-05  
COST 0000000000  
POS 0000148800

CUST P# 1  
CUST# 12300  
PROTEC# 12300  
CUST# 12300

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



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

\* PROCESS ASSY PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
07/12/05	1		BYP(1288)



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

\* PROCESS ASSY PER CAA STEP 17.

.. ALERT SLAC CAR TO WITNESS TORQUE PROCESS..

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

TOOL # GTC-E-951/6 CAL DUE DATE 08/05

GTC-E-914 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
07/12/05	1		BYP(1288)
7.12.05	1	WITNESS TORQUE	LAT TO CA



18 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
OP# SLDW-0 ASSY-44

\* PROCESS ASSY PER CAA STEP 18.

RECORD DEFECT REPORT NO, IF APPLICABLE

DATE	QTY	REMARKS	STATUS
7/12/05	1		

WORK CELL: 1-BIG RODDER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 7

ASSY: /PNS LOT 25-01462  
ASSY: GLAST, DAC: TFS

WORK ORDER NO: 0000048800  
DATE: 07/12/05  
TIME: 1:30 PM

CUST: 0000048800  
PROJECT: 0000048800  
COST: 0000048800

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



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

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

ADMSV DISL. GTC FOR 31403 EXPIRATION DATE 01/31/07  
CORE DATE/TIME: START- 07/12/05 1:30 PM STOP- 3:30 PM

DATE	QTY	REMARKS	STATUS
07/12/05	1		BLP(12ES)



20 230 00 QUALITY ASSURANCE AREA IPE SMDR-D ASSY-40 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
7/12/05	1		



21 280 00 SOURCE INSPECTION CUSTOMER SOURCE INSP 0.0000 0.0000 0.0000

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

DATE	QTY	REMARKS	STATUS
7/12/05	1	GLAT 1815	



\*\*\*\*\* TRAVELLER REVISION HISTORY RECORD \*\*\*\*\*  
 CREATED BY: [REDACTED] DATE: [REDACTED]  
 REPAIR: [REDACTED] ASSY REV: [REDACTED] DATE: [REDACTED]  
 ASSY: [REDACTED] DATE: [REDACTED]  
 REV: [REDACTED] DATE: [REDACTED]  
 55 5LN 042013 RELEASED AT REV 55 AND CAA AT REV [REDACTED]

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

WORK ORDER 110008

NEW

WORK ORDER PICK LIST

PAGE: 2

WEEK END: LAT-09-01-80  
AGENCY: 1  
LOCATION: A03

BY LINE ITEM

EXPIRES: 08-01-80  
RELEASE DATE: 08-01-80  
DATE PRINTED: 08-17-80

DATE PULLED

PULLED BY

LINE	ITEM NUMBER AND DESCRIPTION	UM	ACQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	REQ QUANTITY	REQ IN LOG #	INVLOC	LOT NUMBER	INVENTORY DETAIL	QTY	DATE	BY
1	LAT-09-00088 BASE SIX (2) ORIGINAL QUANTITY: 1.00	EA	1.00	RSVD	1.00	110025		SKCP2 FN-1	12124	14-09-09-01-80	1	09-01-80	SLAC
2	LAT-09-00088 BASE SIX (2) ORIGINAL QUANTITY: 1.00	EA	1.00	RSVD	1.00	110024		SKCP2 FN-4	10124	14-10-19-01-80	1	09-01-80	SLAC
3	LAT-09-00088 BASE SIX (2) ORIGINAL QUANTITY: 1.00	EA	1.00	RD	1.00			SKCP2 FN-1					
4	WAS182N14-6 CORE ORIGINAL QUANTITY: 10.00	EA	10.00	RSVD	10.00	110042		SKCP2 FN-1	110042	100-01-07-04	30	07-04	LOT 110
								FN-4	110042	100-02-04-13-10	100	04-13-10	BY ASBY
5	WAS182N14-6 WAS182N14-6 ORIGINAL QUANTITY: 32.00	EA	32.00	RD	32.00			SKCP2 FN-6	110042	100-01-07-04	30	07-04	LOT 110
6	WAS182N14-6 CORE ORIGINAL QUANTITY: 20.00	EA	20.00	RSVD	20.00	110019		SKCP2 FN-6	110019	100-01-07-04	30	07-04	LOT 110
								FN-6	110019	100-01-16-04	20	04-16-04	BY ASBY
7	WAS182N14-6 AGGRESSIVE ORIGINAL QUANTITY: 1.00	EA	1.00	RD	1.00			SKCP2 FN-1	110042				
8	WAS182N14-6 AGGRESSIVE ORIGINAL QUANTITY: 1.00	EA	1.00	RD	1.00			SKCP2 FN-10	110042				
9	WAS182N14-6 AGGRESSIVE ORIGINAL QUANTITY: 5.00	EA	5.00	RD	5.00			SKCP2 FN-10	110042				
10	WAS182N14-6 AGGRESSIVE ORIGINAL QUANTITY: 4.00	EA	4.00	RD	4.00			SKCP2 FN-10	110042				
11	WAS182N14-6 AGGRESSIVE ORIGINAL QUANTITY: 1.00	EA	1.00	RD	1.00			SKCP2 FN-11	110042				
12	LAT-09-00088 BASE SIX (2) ORIGINAL QUANTITY: 1.00	EA	1.00	RD	1.00			SKCP2 FN-10	110042				



WORK ORDER : 111113

12PM

WORK ORDER PICK LIST

PAGE: 1

PLV # : 107-06-1412  
PLV # :  
PLV # :  
PLV # :  
PLV # :

BY LINE ITEM

DATE: 06-03-00  
TIME: 14:00  
BY: [Signature]  
BY: [Signature]  
BY: [Signature]

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	ASSEMBLY QUANTITY	CITY	REQUIREMENTS		REQ. IN	LOC	INVENTORY DETAIL						
				STAC	QUANTITY			LOC	DATE	STINLOC	QUANTITY			
13	8113-00-1440 SCREW 1/4" DIA X 1/2" L ORIGINAL QUANTITY	EA	BO	2.00	2.00		8113-00-1440							

*[Handwritten signature]*

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCT: W

WORK ORDER TRAVELLER - NEW

ASST/ENG LAT-US-08884  
CMT: GLAST, TR

NO 112141  
DATE 02-0-05  
LATE 12-01-01  
JOB 0000048800

JUST PR  
CITY  
PROJECT  
LUSTS

DATE

SERIAL NUMBER: GT107 GLAT1777 APPROVAL: PROD KH/2/10/05  
2/10/05

WORKMANSHIP: 120 20A-3-STD-1017 CLASS 3: WITH '05' SPACE SUPPLEMENT  
SLAC CAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE  
OF ANY STEP OF THE TRAVELLER/WORK ORDER SLAC CAR MAY  
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP  
EQU. 01-17-05

124 PART NAME OR DESCRIPTION: SET-UP KIT H O U S S  
KIT-UP KIT LINE-PAK ST-LUT



1 000 00 CONFIG RECORD/KITTING 0.0000 0 0000 0.0000

CONFIGURATION DOCUMENTS  
REV 01/01 01/01  
REV 02/01 02/01  
REV 03/01 03/01  
REV 04/01 04/01  
REV 05/01 05/01  
REV 06/01 06/01  
REV 07/01 07/01  
REV 08/01 08/01  
REV 09/01 09/01  
REV 10/01 10/01  
REV 11/01 11/01  
REV 12/01 12/01  
REV 13/01 13/01  
REV 14/01 14/01  
REV 15/01 15/01  
REV 16/01 16/01  
REV 17/01 17/01  
REV 18/01 18/01  
REV 19/01 19/01  
REV 20/01 20/01  
REV 21/01 21/01  
REV 22/01 22/01  
REV 23/01 23/01  
REV 24/01 24/01  
REV 25/01 25/01  
REV 26/01 26/01  
REV 27/01 27/01  
REV 28/01 28/01  
REV 29/01 29/01  
REV 30/01 30/01  
REV 31/01 31/01  
REV 32/01 32/01  
REV 33/01 33/01  
REV 34/01 34/01  
REV 35/01 35/01  
REV 36/01 36/01  
REV 37/01 37/01  
REV 38/01 38/01  
REV 39/01 39/01  
REV 40/01 40/01  
REV 41/01 41/01  
REV 42/01 42/01  
REV 43/01 43/01  
REV 44/01 44/01  
REV 45/01 45/01  
REV 46/01 46/01  
REV 47/01 47/01  
REV 48/01 48/01  
REV 49/01 49/01  
REV 50/01 50/01  
REV 51/01 51/01  
REV 52/01 52/01  
REV 53/01 53/01  
REV 54/01 54/01  
REV 55/01 55/01  
REV 56/01 56/01  
REV 57/01 57/01  
REV 58/01 58/01  
REV 59/01 59/01  
REV 60/01 60/01  
REV 61/01 61/01  
REV 62/01 62/01  
REV 63/01 63/01  
REV 64/01 64/01  
REV 65/01 65/01  
REV 66/01 66/01  
REV 67/01 67/01  
REV 68/01 68/01  
REV 69/01 69/01  
REV 70/01 70/01  
REV 71/01 71/01  
REV 72/01 72/01  
REV 73/01 73/01  
REV 74/01 74/01  
REV 75/01 75/01  
REV 76/01 76/01  
REV 77/01 77/01  
REV 78/01 78/01  
REV 79/01 79/01  
REV 80/01 80/01  
REV 81/01 81/01  
REV 82/01 82/01  
REV 83/01 83/01  
REV 84/01 84/01  
REV 85/01 85/01  
REV 86/01 86/01  
REV 87/01 87/01  
REV 88/01 88/01  
REV 89/01 89/01  
REV 90/01 90/01  
REV 91/01 91/01  
REV 92/01 92/01  
REV 93/01 93/01  
REV 94/01 94/01  
REV 95/01 95/01  
REV 96/01 96/01  
REV 97/01 97/01  
REV 98/01 98/01  
REV 99/01 99/01  
REV 100/01 100/01

SAB 4-28-05

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)  
JOB: WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS  
REV BY: JH DATE: 01 07 05

DATE	QTY	REMARKS	STATUS
<u>2/10/05</u>			<u>WIP</u>



1 001 00 STOCKROOM/KITTING AREA 0.0000 0 0000 0.0000

- PROCESS PER CAR STEP 2.
- ALL SMC PARTS ROUTE THROUGH THE SMC DRY ROOM.
- ALL OTHER PARTS ROUTE TO BELUCO ASBY.

DATE	QTY	REMARKS	STATUS
<u>2/10/05</u>			<u>WIP</u>

WIP  
SENSIT

WORK CELL: 4 MIXED

CUSTOMER: STAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 2

CALL FOR LAT-DS-02000  
COA: GLAST. TPS

W# 110060  
REQ DATE 02-11-05  
REL DATE 12-01-04  
SO#  
PO# 0111148900

COST BR  
COST WY  
PAGE WY  
COST# 15156

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



3 210 00 COA/BLACK BOX ASSY AREA  
MARK STO SN 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 1:

DATE	QTY	REMARKS	STATUS
2-11-05	1		OK



4 210 01 SMT ASSY LINE  
PRE-SMT BARCODE 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 4

RECORD SMT DATE-TIME START/STOP BELOW.

BASE DATE: 2-11-05 START: 7:11:00 STOP: 10:11:00

DATE	QTY	REMARKS	STATUS
2-11-05	1		OK



5 210 00 SMT ASSY LINE  
STENCIL BOTTOM SIDE 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 5

RECORD SOLDER PASTE DATA BELOW.

SIC FOR 31722 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2-11-05	1		OK



6 210 00 SMT ASSY LINE  
SICK-PLATE TAPDR 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 1:

DATE	QTY	REMARKS	STATUS
2-11-05	1	TP-11	OK

0-75 .0072  
0-113 .0073  
0-102 .0075

WORK CELL: 4 MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER: ISAVELLER - NEW

PAGE 3

ENR LAT-05-00188  
COK, 11/27, 122

W# 112060  
REQ DATE 11-12-05  
QTY 1  
PC# 0000048800

QWST 0114  
PROJ 0114  
UNITS 10000

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



7 212 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		7A



8 212 00 SMT ASSY LINE  
ACQUBORG CLEAN 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 8:

DATE	QTY	REMARKS	STATUS
2-11-05	1		7A



9 207 00 QUALITY ASSURANCE AREA  
SPE 510R-1259 ASSY-1645 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 9:

\*\* RECORD DEFECT REPORT NUMBERS BELOW:

DATA(S) 29379 | 29410

DATE	QTY	REMARKS	STATUS
2/14/05	1		STD
2/15/05	1		STD



10 212 00 SMT ASSY LINE  
SOLDER PASTE STENCIL  
TOP SIDE 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 10:

\* RECORD SOLDER WASTE DATA BELOW:

WID FOR 31728 EXPIRATION DATE 7/17/05

DATE	QTY	REMARKS	STATUS
2-22-05	1		2F
		REF. ITEM# NCM, 2324	

D4 - .0072

41804 - .0071

41859 - .0071

41859 - .0074

1.14 - .0074

WORK CELL: 4-MIXED

CUSTOMER: SEAT

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

CAA: 508 SAT-08-02300  
CAA: 3LASH, TFR

WOB: 110080  
REL. DATE: 02-10-05  
REL. DATE: 02-11-04  
PC#: 000048800

CUST P#  
PROJECT# 1717300  
CUST# 10000

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



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

\* PROCESS PER CAA STEP 11:

DATE	QTY	REMARKS	STATUS
2/12/05	1	Start DSOC	OK



12 212 00 SMT ASSY LINE SOLDER REFINISH 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 12:

DATE	QTY	REMARKS	STATUS
2/16/05	1		OK



13 211 00 SMT ASSY LINE THROUGH CLEAN 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 13:

DATE	QTY	REMARKS	STATUS
2/22/05	1		OK



14 240 00 QUALITY ASSURANCE AREA SPP: SLDK-1421 ASSY TFR 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 14:

\*\* RECORD DETECT RECORD REPORT NUMBER(S) BELOW:

REC# 0 2224

DATE	QTY	REMARKS	STATUS
2/14/05	1		
2/15/05	1		

REC# 2224

403X CELL: 4-MIXED

CUSTOMER: SLAC

FORM: 44000000

WORK ORDER TRAVELLER - NEW

PAGE 2

FORM 107 16-02492  
TOTAL (LAST) 795

W# 112080  
R# 041880  
REL. NUMBER 043-10-01  
REL. NUMBER 043-01-04  
P# 0000148800

CUST #  
PROJ. QTY  
CLOT #  
CLOT #

W17402  
043880

LINE DEPT MATHS OPS DESCRIPTION.....  
SET-UP RUN.....  
H M S  
LIVE-MATH SQ-LAC



15 000 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
110 THRU-HOLE PARTS

- PROCESS PER CAA STEP 15.
- SPECIAL IN-PROCESS QA EXAMINATION OF 10 LEAD PREP AND SACK WIRE PREP.
- RECORD DEFECT RECORD REPORT NUMBERS BELOW.

ERR# 5

DATE	QTY	REMARKS	STATUS
3/10/05	1	Tinned Parts	Exp/120Z
3/14/05	1	Trimmed Leads	ByP

3-15-05 — 35 Stripped wires

3/17/05 35 inspected wires  
3/17/05 - 35 tinned wires



16 000 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
WICH ASSY - WISNYS/VRS

- PROCESS PER CAA STEP 16.
- RECORD ADHESIVE DATA BELOW:  
OTC # 31450 EXPIRATION DATE 05/17/05
- RECORD ASSIGNED TOOLS USED, AND CAL DUE DATE, BELOW:  
TOOL # GTC-A-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
04-01-05	1		IMP



17 000 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
TERMINATE VRS

- PROCESS PER CAA STEP 17.
- | DATE    | QTY | REMARKS               | STATUS |
|---------|-----|-----------------------|--------|
| 4-01-05 | 1   | Inspected wires at 95 |        |

← Special in-process QA Examination of wires ME 4

checked wires for VRS 3/22/05

03-22-05 1 package - tinned wires for VRS



WIRK CELL: 4-MIXED

CUSTOMER: SLAC

15 PRODUCTION

WIRK ORDER TRAVELLER - NEW

CC# 00000000000000000000  
CCA# 00000000000000000000

NO. 113250  
ISSUE DATE 12-10-06  
DATE 12-01-14  
FOUNDRY # 0000000000

CURT #  
PROJECT # 217900  
CUST# 15350

PAGE #

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



18 211 20 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL/SOLDER R1, R2

\* PROCESS PER CAA STEP 18

DATE	QTY	REMARKS	STATUS

*Model to install & solder to  
step 26 ME 3-7-05*



19 211 20 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL/SOLDER TO WIRES

\* PROCESS PER CAA STEP 19

DATE	QTY	REMARKS	STATUS
04/04/05	1		Buy



20 211 20 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
OFF-FLIR-70 ASSY-41

\* PROCESS PER CAA STEP 20

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

DR#(S)

DATE	QTY	REMARKS	STATUS
4/4/05	1		



21 211 20 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
MICH ASSY-BOTTOM SIDE

\* PROCESS PER CAA STEP 21

\*\* RECORD ADHESIVE DATA BELOW

ADH # = 31450 EXPIRATION DATE 05/17/05

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

TOOL = GTC-A-985 CAL DUE DATE 06/20/05

DATE	QTY	REMARKS	STATUS
04/11/05	1	install I.D.	Buy

WORK ORDER: 4 MIXED

CUSTOMER: SLAC

7 0 PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

CAA/BLAST, TMS

WOS 112141  
REQ DATE 08-17-08  
REL. MACH 10-01-04  
POS 000048800

CUST ID  
PROJEC  
CUST# 15356

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



22 000 00 CCA/BLACK BOX ASSY AREA  
INSTALL/SOLDER WIRES-1CS 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 02

DATE	QTY	REMARKS	STATUS
05/21/05	1	soldered wires	STG 1288 Byf



23 000 00 QUALITY ASSURANCE AREA  
CFC, SLDR-35 ASSY-02 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 01

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

CAA# 0:

DATE	QTY	REMARKS	STATUS
5/21/05	1		STG 1288 Byf



24 200 00 CCA BLACK BOX ASSY AREA  
INSTALL/SOLDER CFC4, CFC4 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 04

\*\* RECORD ADHESIVE DATA BELOW

JTC FOR 32131 EXPIRATION DATE 10/01/05

DATE	QTY	REMARKS	STATUS
05/21/05	1	installed & soldered CFC4 & Q64	STG 1288 Byf



25 200 00 CCA/BLACK BOX ASSY AREA  
INSTALL/SOLDER CFC5 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 05

DATE	QTY	REMARKS	STATUS
5/21/05	1	Prep caps	STG 1288 Byf
05/23/05	1	installed & soldered caps	STG 1288 Byf



FIRM CDL: 4-MIXED

CUSTOMER: SLAT

WORK ORDER DESCRIPTION

WORK ORDER TRAVELLER - NEW

001 2ND LAY-05-02384  
001 BLAST-193

WWS 122266  
WMSD DATE 02-10-05  
WMSD DATE 12-01-04  
WOS 000048800

WOST 75  
CITY 1  
PROJECT 1  
CUST 127400  
122266

PAGE 8

LINE DEPT MACH# QTY DESCRIPTION

SET-UP RUN H.O. U.S.S. LINE MACH ST-LOT



06 010 00 COA-BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL/SOLDER P, R

PROCESS PER CAA STEP 26. R1 & R2 ME 3-7-05

DATE	QTY	REMARKS	STATUS
05/25/05	1		Byg



07 090 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
SOLDER-14 ASSY-30

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

DATE	QTY	REMARKS	STATUS
5/25/05	1		



08 245 00 SPCR INT 0.0000 0.0000 0.0000  
SPDX TEST

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

DATE	QTY	REMARKS	STATUS
5.27.05	1	SN:GT107 chc	Passed



09 010 00 COA-BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
INSTALL/SOLDER IS CABLE

SOLDER P-R-ROW CHECK -- 05-31-05 - MLD  
SOLDER P-R-ROW CHECK -- 05-31-05 - MLD  
05-31-05 MLD

PROCESS PER CAA STEP 29.

DATE	QTY	REMARKS	STATUS
05/31/05	1	Soldered Row #1	Byg
05/31/05	1	Soldered Row #2	Byg
05/31/05	1	Soldered Row #3	Byg

WORK CELL: 1-MIXED

CUSTOMER: SLAC

WORK DESCRIPTION

WORK ORDER TRAVELLER + NEW

WORK ORDER NO: 02388  
DATE: 05-31-05

WORK ORDER NO: 0000248900  
DATE: 05-31-05

CUSTOMER: SLAC  
PROJECT: 10000000  
DATE: 05-31-05

PAGE 9

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



00 JCA/BLACK BOX ASSY AREA 0 0000 0 0000 0 0000  
INSTALL/SOLDER O/P CABLE  
SLDR O/P-ROW 1-CHECK 05-31-05 M.D.  
SLDR O/P-ROW 2-CHECK 05-01-05 M.D.  
SLDR O/P-ROW 3-CHECK 05-02-05 M.D.  
SLDR O/P-ROW 4-CHECK up for

\* PROCESS PER QAA STEP 30.

DATE	QTY	REMARKS	STATUS
05/31/05	1	soldered Row # 1	Byp (GTC 1298)
06/01/05	1	soldered Row # 2	Byp (GTC 1298)
06/02/05	1	soldered Row # 3	Byp (GTC 1298)
06/02/05	1	soldered Row # 4	Byp (GTC 1298)



00 QUALITY ASSURANCE AREA 0 0000 0 0000 0 0000  
OPR: SLDR-96 ASSY 107

\* PROCESS PER QAA STEP 31.

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

DRR#(S)

DATE	QTY	REMARKS	STATUS
up for	1		Byp (GTC 1298)



00 JCA/BLACK BOX ASSY AREA 0 0000 0 0000 0 0000  
HANDS CLEAN

\* PROCESS PER QAA STEP 12.

DATE	QTY	REMARKS	STATUS
up for	1	washed board in aqueous	Byp (GTC 1298)

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TO: PRODUCTION

WORK ORDER TRAVELLER: NEW

QCA: DNE LAT-06-0388  
QCA: START: 1P9

NO: 112040  
DATE: 07-10-05  
DATE: 12-11-04  
MATERIAL: 0000048801

CUST: 24  
PROJECT: 011300  
JOB: 011300

PAGE 11

LINE DEPT WARE: QCA DESCRIPTION: SETUP RUN HOURS LINE-MACH ST LOT



13 250 00 COATING/POTTING AREA  
POT WITH RTV - CABLE  
D06-1104 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 33

RTV D06-1104, GTC P0# 32070 EXPIRATION DATE 01/07/06

SEE ADHESIVE (151) APPLICATION FOR CURE DATA

DATE	QTY	REMARKS	STATUS
06/09/05	1		Buy (1288)



14 210 00 COA/BLACK BOX ASSY AREA  
STAKE WITH RTV - VRS  
D06-1104 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 44

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

RTV D06-1104 P0# 32070 EXPIRATION DATE 01/07/06

DATE	QTY	REMARKS	STATUS
06/09/05	1		Buy (1288)



15 210 00 COA/BLACK BOX ASSY AREA  
POTTING/STAKING ICE  
D06-1104 0.0000 0.0000 0.0000

\* PROCESS CAA PER CAA STEP 20.7

CURE DATE 06-30-05 START 01/07/06

CURE DATE YEAR STOP

DATE	QTY	REMARKS	STATUS
06/09/05	1		Buy (1288)

MARK CODE: 4-MIXED

CUSTOMER: SLAV

MARK CODE: 4-MIXED

MARK CODE: TRAVELLER - NEW

PAGE 11

COMPONENT: LAT-08-07884  
CIA, START: 000

WOB 12040  
WROB DATE 02-10-05  
WRY DATE 12-01-04  
WOB 0000046000

CUST 08  
PROJECT 08  
CUST 08  
CUST 08

LINE DEPT MACHINE QTY DESCRIPTION SET-UP MIN. HOURS LINE-YACHT ST-LOT



36 210 00 CIA/BLACK BOX ASSY AREA 1.0000 0.0000 0.0000  
STAKE HARDWARE \* NUTS  
WASHERS, STUDS, BUSHES

\* PROCESS PER CAA STEP 34

ADHESIVE 0161, QTY PCB 31403 EXPIRATION DATE 01/31/07

CURE DATE 06/09/05 START 1:30 PM STOP 3:30 PM

DATE... QTY... REMARKS... STATUS  
06/09/05 1 Byp (1288)



37 210 00 CIA/BLACK BOX ASSY AREA 1.0000 0.0000 0.0000  
INSTALL/STAKE SUPPORTS

\* PROCESS PER CAA STEP 37

ADHESIVE 0161, QTY PCB 31403 EXPIRATION DATE 01/31/07

CURE DATE 06/09/05 START 1:30 PM STOP 3:30 PM

DATE... QTY... REMARKS... STATUS  
06/09/05 1 Byp (1288)



38 210 00 CIA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
STAKE COMPONENTS \* C550,  
C450, P2\*P2

\* PROCESS PER CAA STEP 38

ADHESIVE 0161, QTY PCB 31403 EXPIRATION DATE 01/31/07

CURE DATE 06/09/05 START 1:30 PM STOP 3:30 PM

DATE... QTY... REMARKS... STATUS  
06/09/05 1 Byp (1288)

WORK ORDER: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 12

PLANT: 100  
MATERIAL: 100

W.O. NO: 31403  
W.O. DATE: 06/09/05  
JOB NO: 000048800

COST Pk: 1  
COST QTY: 1  
PROJECT: 717300  
COST: 18355

LINE DEPT WAREHOUSE DESCRIPTION HOURS  
SET UP RUN LINE WAREHOUSE LOT



33 100 00 00A BLACK BOX ASSY AREA  
STAKE INDUCTIONS 0.0000 0.0000 0.0000

PROCESS PER CAR STEP 39.

ADHESIVE DISP. QTY FOR: 31403 EXPIRATION DATE 01/31/07

WIP DATE 06/09/05 START 1:30 PM STOP 3:30 PM

DATE	QTY	REMARKS	STATUS
06/09/05	1		Exp(1288)



40 100 00 00A BLACK BOX ASSY AREA  
STAKE CAPACITORS AND R22, R1 & R2 0.0000 0.0000 0.0000

9213 4-28-05

PROCESS PER CAR STEP 40.

ADHESIVE DISP. QTY FOR: 31403 EXPIRATION DATE 01/31/07

WIP DATE 06/09/05 START 1:30 PM STOP 3:30 PM

DATE	QTY	REMARKS	STATUS
06/09/05	1		Exp(1288)



41 100 00 QUALITY ASSURANCE AREA  
SFR SLD-C ASSY-47 0.0000 0.0000 0.0000

PROCESS PER CAR STEP 41.

RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.

DATE:

DATE	QTY	REMARKS	STATUS
6/3/05	L		

WORK FIELD: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELER - NEW

PAGE 13

WVE'S LAT-05-17784  
SLAC SLAS7-110

WOB 112042  
WOB DATE 01-10-10  
WOB DATE 01-01-04  
JOB  
JOB 0000018800

CUST #1  
CITY 1  
PROJECT # P17300  
CDDIS 10166

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



00 00 SOURCE INSPECTION  
SLAC CAR INSPECTION - MIF 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 42.  
SCW MANDATORY INSPECTION POINT - MIF

DATE	QTY	REMARKS	STATUS
6.20.05	1	GLAT 1777	LAT TO QA



00 00 PACKAGING/SHIPPING INSP  
PACKAGE & SHIP CAA FOR  
TEST & CUSTOMER. 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 43.

DATE	QTY	REMARKS	STATUS
06/20/05	1		By (w88)

7/10 GT107

Teladrop  
256 1 tripped  
506 1 tripped



00 00 QUALITY ASSURANCE AREA  
RECEIVING INSPECTION 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 44.

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

REF#(S):

DATE	QTY	REMARKS	STATUS
2/8/05	1		DEFECT
7/7/05	1		DEFECT



00 00 SOURCE INSPECTION  
SLAC CAR INSPECTION - MIF  
MANDATORY INSPECTION  
POINT TEST POINT 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 45

DATE	QTY	REMARKS	STATUS
7.7.05	1	GLAT 1777	LAT TO QA

WORK CELL: 4-MIXED

CUSTOMER: aIAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 14

ASSY/20# LOT 05-02368  
CAA, BLAST, CFE

WOB# 112060  
REV DATE 12-10-05  
REV DATE 12-11-14  
SO#  
PO# 000004600

CUST ID  
CITY  
PROJECT#  
CUSTY

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



46 110 70 CAA/BLACK BOX ASSY AREA  
HAND CLEAN AND TEST  
FOR CLEANLINESS OF CAA  
ATTACH RESULTS REPORT TO  
THE TRAVELLER/NO.

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

DATE	QTY	REMARKS	STATUS
7-7-05	1	clean	HW
7-7-05	1	TEST (leg-1)	HW



47 201 00 QUALITY ASSURANCE AREA  
CPE SCOR-D ASSY-7

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

DEF#(S)

DATE	QTY	REMARKS	STATUS
7/8/05	1		



48 200 00 COATING-POPPING AREA  
BAKE-OUT AND MARK

- \* PROCESS CAA PER CAA STEP 48
- RECORD BAKE DATE-TIME START/STOP BELOW:
- BAKE DATE: 7/08/05 START: 8:58 AM STOP: 10:30 AM

DATE	QTY	REMARKS	STATUS
7/8/05	1	MARK/BAKE	SAZ

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

WEEK CAT: 05-02444  
W. BLAST: 120

QUANTITY: 10000  
DATE: 10-21-05  
C/M: 0000018800

CUST: 10000  
FACTORY: 10000  
CUST: 10000

LINE 1000 MATCH: 000 DESCRIPTION: COATING/POTTING AREA CONFORMAL COATING



49 250 00 COATING/POTTING AREA CONFORMAL COATING 0.0000 0.0000 0.0000

\* PROCESS CAA PER CAA STEP 49.

CONFORMAL COATING POW 32174 EXPIRATION DATE 12/15/05  
AIR CURE DATE 7/8/05 START 11:20AM STOP 2:00PM

DATE: 7/8/05 QTY: 1 REMARKS: Coat STATUS: Dm/1035



50 250 00 COATING/POTTING AREA OVEN CURR/STICKUP 0.0000 0.0000 0.0000

\* PROCESS CAA PER CAA STEP 50.

OVEN CURE DATE 7-8-05 START 2:05pm STOP 4:00pm  
OVEN CURE DATE 7-11-05 START 8:00AM STOP 10:00 AM

DATE: 7-8-05 QTY: 1 REMARKS: STATUS: H/H

DATE: 7-11-05 QTY: 1 REMARKS: STATUS: P



51 250 00 QUALITY ASSURANCE AREA OVE. SLD 0 ASSY-7 0.0000 0.0000 0.0000

\* PROCESS CAA PER CAA STEP 51.

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

- COPIES OF CERTIFICATIONS...
- COCA TEST REPORTS
- INDUSTRY REPORTS
- NON CONFORMANCE REPORTS
- END-ITEM PACK BACKLOG FORMS
- ORIGINAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE: 7/11/05 QTY: 1 REMARKS: STATUS:



WJBY CELL: 1-MINER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 10

WJBY LAT-DS-00000  
CON. GLASS, 178

WJBY 112460  
REQ. DATE 02-10-05  
REQ. DATE 12-01-04  
PC# 0000046800

CUST. CD  
PROJ. CD  
CLST#

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



01 13 00 SURFACE INSPECTION 0 0000 0 0000 0 0000

\* PROCESS CAR PER CAR STEP 64.

NOTE: NEXT ASSEMBLY IS LAT-DS-01192.

DATE ... QTY... REMARKS *SUCCESS INDICATED* STATUS  
7-12-05 1 UNUSUAL AMOUNT OF  
TOUCH UP / BRUSH COATING

SERIAL NUMBER ..... ACCOUNT.....  
PROD: \_\_\_\_\_  
QA: \_\_\_\_\_

MEMBERSHIP .....  
INDUST. C-STD-0010 CLASS 3, WITH "CS" STAGE SUPPLEMENT  
SLAC CAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE  
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAR MAY  
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.  
SIN 02 10 05.....

WORK ORDER : 112060

( NEW )

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS 02388  
QUANTITY : 1  
LOCATION: WC2

BY LINE ITEM

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

...PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS		RECV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
					STAT	QUANTITY				LOT QUANTITY	LOT DATE	BIN
1	LAT-DS-02388 PWS - GLASS ORIGINAL QUANTITY...	EA	1.00					SK2 FN-D1		0.00		
			1.00		RSVD	1.00	120305	SKCF2	120305	10.00	09-11-07	
2	LAT-DS-02830-01 ASSY. CABLE, TSS I/P PWR ORIGINAL QUANTITY...	EA	1.00	BO		1.00		SK2 FN-D2	17.72	0.00		
			1.00					SKCF2		0.00		
3	LAT-DS-02445 HEAT SHNK, TSS ORIGINAL QUANTITY...	EA	4.00					SK2 FN-D3		0.00		
			4.00		RSVD	4.00	115014	SKCF2	115014	4.00	06-23-07	
4	LAT-DS-01931-01 ASSY. CABLE, TSS O/P PWR ORIGINAL QUANTITY...	EA	1.00	BO		1.00		SK2 FN-D4	18.02	0.00		
			1.00					SKCF2		0.00		
5	LAT-DS-01598 SUPPORT CABLE HARNESS ORIGINAL QUANTITY...	EA	2.00					SK2 FN-D01		0.00		
			2.00		RSVD	2.00	115020	SKCF2	115020	72.00	09-27-04	F17300
										23.00	09-11-07	2N ASSY
6	LAT-DS-05535 LABEL ON ORIGINAL QUANTITY...	EA	1.00	BO		1.00		SK2 FN-D22		0.00		
			1.00					SKCF2		0.00		
7	MAS1145CN430R WASHER ORIGINAL QUANTITY...	EA	4.00	RSVD		4.00	90129	SK2 FN-D5	01120	15.00	09-01-03	ASP
			4.00							6.00	07-31-01	
										138.00	09-27-04	LOT 115

WORK ORDER 112060

( NEW )

WORK ORDER PICK LIST

PAGE: 2

ASSEMBLY # : LAT-DG-02385  
QUANTITY : 1  
LOCATION: M02

BY LINE ITEM

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

LINE FULLED:

FULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVLOC	LOT NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STATUS	STAT QUANTITY			LOT QUANTITY	LOT DATE	BINLOC
8	NAS67106 NUT #6 SM.PAT ORIGINAL QUANTITY	EA	19.00	RSVD	19.00	117403	SK2 FN-6	132.00	11-04-04	DH
							FULLED:			
							FN-6	545.00	02-02-05	
							FULLED:			
							FN-6	911.00	02-02-05	
							FULLED:			
							FN-6	500.00	02-02-05	
							FULLED:			
							FN-6	500.00	02-02-05	
							FULLED:			
							SKCP2	19.00	08-10-00	CPSD
							FULLED:			
							118770	423.00	10-08-04	
							FULLED:			
9	NAS1152N06-6 SCREW ORIGINAL QUANTITY	EA	7.00		7.00	115011	SK2 FN-D7	0.00		
							FULLED:			
							SKCP2	149.00	09-27-04	
							FULLED:			
10	NAS1150N04-6 SCREW ORIGINAL QUANTITY	EA	4.00		4.00	114832	SK2 FN-D8	0.00		
							FULLED:			
							SKCP2	540.00	09-27-04	LOT 115
							FULLED:			
							115010	712.00	09-27-04	IN ASSY
							FULLED:			
11	NAS1149CN632R WASHER ORIGINAL QUANTITY	EA	19.00		19.00	115010	SK2 FN-D9	0.00		
							FULLED:			
							SKCP2	40.00	09-27-04	
							FULLED:			
12	NAS67104 NUT, HEX. SS, PASS. 4-60THRD ORIGINAL QUANTITY	EA	4.00	RSVD	4.00	122091	SK2 FN-D10	245.00	01-20-05	
							FULLED:			
							FN-D10	28.00	12-17-04	HW
							FULLED:			
							FN-D10	46.00	01-20-05	
							FULLED:			
							FN-D10	64.00	01-20-05	
							FULLED:			

ASSEMBLY # : 1AT-D8-02188  
QTY : 1  
LOCATION : 402

BY LINE ITEM

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

0 PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL			
			QTY	STAT				LOT QUANTITY	LOT DATE	BINLOC	QTY
12	NAS67104 NUT, HEX, SS, PASS, 4-40TRD Cont from prior page.	EA	4.00			FN-D10	122180	250.00	01-21-05		
						FN-D10	123196	2000.00	02-04-05		
						FN-D10	123384	320.00	02-07-05		
						FN-D10	123397	610.00	02-07-05		
						FN-D10	123510	80.00	02-07-05		
						FN-D10	123521	155.00	02-07-05		
						FN-D10	123532	160.00	02-07-05		
						FN-D10	123691	700.00	02-07-05		
						SKCF2	119009	31.00	09-27-04	LOT 119	
13	CV-2346 RTV, MSIL TECH ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D11		0.00			
			1.00			SKCF2		0.00			
14	1153 ADHESIVE, HYSCOL, 4OZ KIT ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D11		0.00			
			1.00			SKCF2		0.00			
15	8214M-076 SS, CARLS, LOCKING, PANJOIT ORIGINAL QUANTITY...	EA	5.00	BO	5.00	SK2 FN-D15		0.00			
			5.00			SKCF2		0.00			
16	8750 CONFORMAL COATING IRELANE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00	SK2 FN-D07		0.00			
			1.00			SKCF2		0.00			

WORK ORDER 112060

( NEW )

WORK ORDER PICK LIST

PAGE 4

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

BY LINE ITEM

EFFECTIVITY DATE: 00-10-06  
RELEASE DATE: 12-01-04  
DATE PRINTED: 02-11-06

A PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	REQUIREMENTS		RESV IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL		
				CURS STAT	STATUS QUANTITY				LOT QUANTITY	LOT DATE	SIN
17	DC6-1104 AGGRESSIVE ORIGINAL QUANTITY...	CE	1.00	RSVD	1.00		SK2 FN-D18		0.00		
			1.00				SKCF2		0.00		
18	M22759/11-24-8 WIRE 24AWG WHITE ORIGINAL QUANTITY...	IN	1.00	RSVD	1.00	46190	SK2 FN-D19	16100	1245.00	09-14-00	SK2 R4
			1.00				SKCF2	115299	17710.00	10-01-04	LOT1152
19	LAT-DS-14101 HEATSINK ORIGINAL QUANTITY...	EA	2.00				SK2 FN-D20		0.00		
			2.00	RSVD	2.00	120304	SKCF2	120304	42.00	09-11-07	
20	ADP462 OR TIGHTER ORIGINAL QUANTITY...	EA	1.00				SK2 FN-24 VRS		0.00		
			1.00	RSVD	1.00	114959	SKCF2	114959	21.00	09-27-04	
21	MAX7245CK IC ORIGINAL QUANTITY...	EA	7.00				SK2 FN-36 U6 U7 U8 U10 U15 U17 U18		0.00		
			7.00	RSVD	7.00	114961	SKCF2	114961	177.00	09-27-04	
22	5962R966J501VXC ORIGINAL QUANTITY...	EA	5.00				SK2 FN-36 U20 U559 U540 U559 U560		0.00		
			5.00	RSVD	5.00	120301	SKCF2	120301	190.00	10-16-04	
								114960	5.00	09-27-04	INV-10
23	58X1040GTX DIP8 ORIGINAL QUANTITY...	EA	7.00				SK2 FN 19 D1 D2 D3 D4 D8 D19 D20		0.00		
			7.00	RSVD	7.00	114948	SKCF2	114948	335.00	09-27-04	
24	5ANTXVIN4155UB-1 DIP28 ORIGINAL QUANTITY...	EA	5.00				SK2 FN 10 D510 D503 D509 D599 D502 D503		0.00		
			5.00								



ASSEMBLY # : LAC-DS-02358  
QUANTITY : 1  
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE : 02-10-05  
RELEASE DATE : 12-01-04  
DATE PRINTED : 03-11-04

1 PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS		RECV IN LOT #	INVL0C NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STAT QUANTITY			LOT	LOT DATE	BINLOC QUANTITY	
	DIC08 Cont from prior page	EA	RSVD	8.00	114949	SKCF2	114949	250.00	09-27-04	
25	JANTXV1N4106UR DIC08 INS000098 ORIGINAL QUANTITY...	EA		8.00						
			RSVD	8.00	114950	SKCF2	114950	158.00	09-27-04	
26	JANTXV1N4497US DIC08 ORIGINAL QUANTITY...	EA		6.00						
			RSVD	6.00	114952	SKCF2	114952	7.00	09-27-04	
27	JANTXV1N4106UR-1 DIC08 ORIGINAL QUANTITY...	EA		4.00						
			RSVD	4.00	114953	SKCF2	114953	77.00	09-27-04	
28	JANTXV1N4494US DIC08 ORIGINAL QUANTITY...	EA		1.00						
			RSVD	1.00	114955	SKCF2	114955	18.00	09-27-04	
29	JANTXV1N4496US DIC08 ORIGINAL QUANTITY...	EA		1.00						
			RSVD	1.00	114951	SKCF2	114951	15.00	09-27-04	
30	JANTXV1N3419 TRANSISTOR ORIGINAL QUANTITY...	EA		4.00						
			RSVD	4.00	115006	SKCF2	115006	58.00	09-27-04	
31	8862R95826V4VX0 ORIGINAL QUANTITY...	EA		6.00						
			RSVD	6.00	120302	SKCF2	120302	128.00	12-16-04	

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

BY LINE ITEM

EFFECTIVITY DATE: 01-10-10  
RELEASE DATE: 10-11-11  
DATE PRINTED: 02-11-13

& PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UN	REQUIREMENTS		REQ IN	INVLOC	LOT NUMBER	INVENTORY DETAIL		
			REQUIRED QUANTITY	CURR STATUS				LOT	LOT DATE	SIN
	IC Cont from prior page.	EA				114953		2.00	09-27-04	DRY-10
32	CKK32BK103BKUS CAP 0.01UF 100V 10%	EA	22.00							
	ORIGINAL QUANTITY...		22.00							
			RSVD	22.00	114937	SKCF2	114937		9/27/04	09-27-04
33	CH209HC106KOE CAPACITOR	EA	4.00							
	ORIGINAL QUANTITY...		4.00							
			RSVD	4.00	114939	SKCF2	114939		30/01	09-27-04
34	M39006/22-0267H CAPACITOR	EA	30.00							
	ORIGINAL QUANTITY...		30.00							
			RSVD	30.00	114941	SKCF2	114941		6/20	09-27-04
	12-08993K251VHTM CAPACITOR	EA	12.00							
	ORIGINAL QUANTITY		12.00							
			RSVD	12.00	114902	SKCF2	114902		88/00	09-23-04
36	RXC065 FUSE	EA	2.00							
	ORIGINAL QUANTITY...		2.00							
			RSVD	2.00	114957	SKCF2	114957		54/00	09-27-04
37	556218771001VXA IC	EA	2.00							
	ORIGINAL QUANTITY...		2.00							
			RSVD	2.00	114942	SKCF2	114942		97/00	09-27-04
38	10755-11 INDUCTOR	EA	12.00							
	ORIGINAL QUANTITY...		12.00							
			RSVD	12.00	114944	SKCF2	114944		288/00	09-17-04
39	10761-11 INDUCTOR	EA	2.00							
	ORIGINAL QUANTITY...		2.00							







WORK ORDER = 110160

( NEW )

WORK ORDER PICK LIST

PAGE 8

ASSEMBLY # : CAT-DS-02022  
QUANTITY : 1  
LOCATION : W02

BY LINE ITEM

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

LINE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS QUANTITY	RSVD IN LOT #	INVLOC	LOT NUMBER	INVENTORY DETAIL				
									LOT QUANTITY	LOT DATE	BIN	QUANTITY	
46	M55342K0651F08 RESISTOR,CHIP,100K,1M OVM ORIGINAL QUANTITY...	EA	6.00					SK2 FN-49 R506 R508 R510 R404 R415 R456 PULLED:	0.00				
				RSVD	6.00	114819	SKCF2	114819	054.00	09-23-04			
								PULLED:					
								114977	075.00	09-27-04			
								PULLED:					
47	M55342K0652E008 RES,CHIP,2.10K,14.71M ORIGINAL QUANTITY...	EA	1.00					SK2 FN-57 R330 PULLED:	0.00				
				RSVD	1.00	115091	SKCF2	115091	141.00	09-28-04			
								PULLED:					
48	M55342K0652E74K RESISTOR,CHIP ORIGINAL QUANTITY...	EA	3.00					SK2 FN-52 R71 R75 R77 PULLED:	0.00				
				RSVD	3.00	114990	SKCF2	114990	87.00	09-27-04			
								PULLED:					
49	M55342K0654E75R RESISTOR ORIGINAL QUANTITY...	EA	2.00					SK2 FN-53 R309 R609 PULLED:	6.00	11-11-03	510A		
				RSVD	2.00	91326	SKCF2	91326	65.00	09-24-04	CF2C		
								114981	488.00	09-27-04			
								PULLED:					
50	M55342K0655E62A RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	119010		SK2 FN-58 R14 PULLED:	39.00	11-30-04	528		
								SKCF2	114984	144.00	09-27-04		
								PULLED:					
51	M55342K0659F05R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	84080		SK2 FN-57 R9 R11 PULLED:	20.00	04-15-03	528		
								SKCF2	114985	57.00	09-27-04		
								PULLED:					
52	M55342K0651E08K RESISTOR,CHIP,100K,100K O ORIGINAL QUANTITY...	EA	21.00					SK2 FN-59 R40 R42 R44 R46 R48 R50 R52 R54 R56 R58 R60 R62 R64 R66 R68 R70 R72 R74 R76 R78 R80 R82 R84 R86 R88 R90 R92 R94 R96 R98 R100 PULLED:	0.00				
				RSVD	21.00	114620	SKCF2	114620	001.00	09-23-04	CF2C		
								PULLED:					
								114557	657.00	09-27-04			
								PULLED:					

APPROVAL # : LAT-DS-12388  
QUANTITY : 1  
LOCATION: W02

BY LINE ITEM

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

LINE FULLED:

FULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS	RESV IN	LOT #	INVOLOC	NUMBER	INVENTORY DETAIL			
										LOT	LOT DATE	LOT LIFE	BINLOC QUANTITY
	RESISTOR, CHIP, 100W, 10K 0 Cont from prior page.	EA					91924			58.00	09-24-03		
							FULLED:						
53	CR04BX104AKUS CAP, .10UF,50V	EA	32.00										
	ORIGINAL QUANTITY...		32.00										
				RSVD	32.00	114935		SKCP2	114935	32.00	09-27-04		
							FULLED:						
54	CR031BX102BKUS CAPACITOR	EA	2.00							0.00			
	ORIGINAL QUANTITY...		2.00										
				RSVD	2.00	114936		SKCP2	114936	2.00	09-27-04		
							FULLED:						
55	CR031BP100BKUS CAPACITOR	EA	14.00							0.00			
	ORIGINAL QUANTITY...		14.00										
				RSVD	14.00	114938		SKCP2	114938	14.00	09-27-04		
							FULLED:						
56	CR033BA222BKUS CAPACITOR	EA	4.00							0.00			
	ORIGINAL QUANTITY...		4.00										
				RSVD	4.00	114940		SKCP2	114940	4.00	09-27-04		
							FULLED:						
57	CR033BX473AKUS CAPACITOR	EA	7.00							0.00			
	ORIGINAL QUANTITY...		7.00										
				RSVD	7.00	114799		SKCP2	114799	7.00	09-23-04		
							FULLED:						
										315.00	09-27-04		
							FULLED:						
58	CR011BP100BKUS CAPACITOR	EA	4.00							0.00			
	ORIGINAL QUANTITY...		4.00										
				RSVD	4.00	119090		SKCP2	119090	4.00	09-28-04		
							FULLED:						
59	CR020FP2470H23 CAPACITOR	EA	59.00							0.00			
	ORIGINAL QUANTITY...		59.00										
				RSVD	59.00	114943		SKCP2	114943	59.00	09-27-04		
							FULLED:						

WORK ORDER : 112060

( NEW )

WORK ORDER PICK LIST

PAGE: 10

ASSEMBLY # : IAT-08-02388

BY LINE ITEM

EFFECTIVITY DATE: 02-10-05

QUANTITY : 2

RELEASE DATE : 12-01-04

LOCATION: R02

DATE PRINTED : 02-22-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS QUANTITY	CURR STAT	STATUS	ASSY IN LOT #	INVLOC	SOT NUMBER	INVENTORY DETAIL				
									LOT	LOT DATE	SINLOC	BIN	
	CAPACITOR Cont from prior page	EA						114800	255.00	09-23-04			
60	CDR318P1018KUS CAPACITOR ORIGINAL QUANTITY...	EA	4.00					SK2 FN-12 C121 C507 C607 C612 PULLED:	0.00				
			RSVD			4.00	114944	SKCF2 114944 PULLED:	576.00	09-27-04			
61	JANTXV1N4489US DIODE ORIGINAL QUANTITY ...	EA	1.00					SK2 FN-25 DS00 PULLED:	0.00				
			RSVD			1.00		SKCF2 114954 PULLED:	2.00	09-27-04			
62	AXE11C FUSE, POLYMER ORIGINAL QUANTITY...	EA	2.00					SK2 FN-22 F4 F5 PULLED:	0.00				
			RSVD			2.00	114958	SKCF2 114958 PULLED:	0.00	09-27-04			
63	SKR99SA200FR RESISTOR ORIGINAL QUANTITY...	EA	1.00					SK2 FN-43 R22 PULLED:	0.00				
			RSVD			1.00	114968	SKCF2 114968 PULLED:	97.00	09-27-04			
64	M55142H06B1821R RESISTOR ORIGINAL QUANTITY...	EA	4.00					SK2 FN-45 R30 R51 R58 R61 PULLED:	0.00				
			RSVD			4.00	114970	SKCF2 114970 PULLED:	238.00	09-27-04			
65	M55142H06B2021R RESISTOR ORIGINAL QUANTITY...	EA	6.00					SK2 FN-51 R37 R40 R64 R65 R66 R67 PULLED:	0.00				
			RSVD			6.00	114979	SKCF2 114979 PULLED:	447.00	09-27-04			
66	M55142K09B102FR RESISTOR ORIGINAL QUANTITY...	EA	4.00					SK2 FN-60 R543 R544 R642 R644 PULLED:	0.00				
			RSVD			4.00	114920	SKCF2 114920 PULLED:	130.00	09-27-04			
							114999	SKCF2 114999 PULLED:	313.00	09-27-04			

EMBL # : LAT-09-02288  
QUANTITY :  
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 02-10-06  
RELEASE DATE : 10-04-06  
DATE PRINTED : 09-27-06

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LT#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN	LOT #	INVLOC NUMBER	INVENTORY DETAIL		
								LOT QUANTITY	LOT DATE	SIN
67	M55342K06B18E0R RESISTOR ORIGINAL QUANTITY...	EA	3.00					0.00		
			3.00	RSVD	3.00	114989	SK2 FN-61 R15 R16 R46 PULLED:	134.00	09-27-04	
68	M55342K06B18E0R RESISTOR, CHIP, 100W, 1% O ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	4305	SK2 FN-62 R19 PULLED:	144.00	09-26-02	SSB
			1.00				SKCP2 114990 PULLED:	82.00	09-27-01	
69	M55342K06B18E0R RESISTOR ORIGINAL QUANTITY...	EA	2.00					0.00		
			2.00	RSVD	2.00	114991	SK2 FN-03 R211 R567 PULLED:	140.00	09-27-04	
							SKCP2 114991 PULLED:			
70	M55342K06B20E0R RESISTOR, 30KOHMS ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	17105	SK2 FN-04 R505 R507 R510 R525 R605 R607 R610 R625 PULLED:	317.00	03-23-99	
			8.00				SK2 FN-04 R5175 R625 PULLED:	15.00	04-18-03	597
							SK2 FN-64 R505 R507 R510 R525 R605 R607 R610 R625 PULLED:	1000.00	09-26-00	
							SKCP2 114992 PULLED:	208.00	09-27-04	
71	M55342K06B22D0R RESISTOR ORIGINAL QUANTITY...	EA	1.00					0.00		
			1.00	RSVD	1.00	114993	SK2 FN-65 R511 PULLED:	141.00	09-27-04	
							SKCP2 114993 PULLED:			
72	M55342K06B22E1R RESISTOR ORIGINAL QUANTITY...	EA	5.00	RSVD	5.00	50590	SK2 FN-66 R24 R45 R512 R566 R612 PULLED:	53.00	12-15-00	SSG
			5.00				SKCP2 50591 PULLED:	10.00	12-15-00	SSG
							SKCP2 114994 PULLED:	172.00	09-27-04	
73	M55342K06B33E0R RESISTOR ORIGINAL QUANTITY...	EA	1.00					0.00		
			1.00	RSVD	1.00	114995	SK2 FN-67 R666 PULLED:	138.00	09-27-04	
							SKCP2 114995 PULLED:			

WORK ORDER . 112000

( NEW )

WORK ORDER PICK LIST

PAGE 12

ASSEMBLY # : LAT-09-02348  
QUANTITY : 1  
LOCATION: W02

BY LINE ITEM

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

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVOLOC	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURS STAT	STATUS			RESV IN LOT #	LOT QUANTITY	LOT DATE	BINLOC
74	M55342K06B45E0R RESISTOR, 49.9KOHMS ORIGINAL QUANTITY...	EA	6.00	RSVD	6.00	81542	SK2 81542 FN-68 R27 R42 R598 R599 R498 R499 PULLED:	308.00	03-24-04		
			6.00				SK2 82256 FN-68 R27 R42 R598 R599 R498 R499 PULLED:	12.00	03-19-03	S1E	
							SKCF2 114996 PULLED:	261.00	09-27-04		
75	M55342K06B6155A RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84266	SK2 84266 FN-69 R667 PULLED:	21.00	04-15-03	S7H	
			1.00				SKCF2 114997 PULLED:	144.00	09-27-04		
76	M55342K06B100DR RESISTOR, CHIP, 100W, 100 OH ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	104427	SK2 104427 FN-70 R501 R510 R601 R610 PULLED:	256.00	04-27-04	S7H	
			4.00				SKCF2 114922 PULLED:	3426.00	09-23-04		
							SKCF2 114995 PULLED:	6.00	09-27-04		
77	M55342K06B100DR RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	13.00				SK2 84225 FN-71 R6 R7 R200 R201 R202 R203 R204 R205 R207 R513 R597 R613 R697 PULLED:	12.00	04-15-03	S9D	
							SKCF2 114823 PULLED:	1336.00	09-23-04	S9D	
				RSVD	13.00	114923	SKCF2 114999 PULLED:	160.00	09-27-04		
							SKCF2 26596 PULLED:	40.00	01-08-04		
78	M55342K06B201DR RESISTOR ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	50769	SK2 50769 FN-72 R50 PULLED:	33.00	12-20-00	S9D	
			1.00				SKCF2 51325 PULLED:	64.00	09-24-03	S9D	
							SKCF2 115000 PULLED:	47.00	09-27-04		
79	D55342K07B400BR RES, 4.7K, 1/4W, 1W ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	84172	SK2 84172 FN-73 R531 PULLED:	24.00	04-15-03	S2S	

WORK ORDER : 112060

( NEW )

WORK ORDER PICK LIST

PAGE : 14

ISLY # : IAT-08-02388  
JANTRY : 1  
K. LOCATION: W02

BY LINE ITEM

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

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LT#	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVOIC	LOT NUMBER	INVENTORY DETAIL			
			REQUIRED QUANTITY	CURR STAT QUANTITY	RESV IN LOT #			LOT QUANTITY	LOT DATE	SINLOC	BIN QUANTITY
66	M55342K0655E1R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	60670	SK2 60670 FN-55 K508 R808 PULLED:	52.00	09-27-01	597	
			2.00				SK259 FN-55 R005 R009 PULLED:	9.00	03-17-03		
							SKCF2 114829 PULLED:	204.00	09-23-04		
							114988 PULLED:	232.00	09-27-04		
67	M55342K09810DCK RESISTOR ORIGINAL QUANTITY...	EA	1.00				SK2 FN-58 R011 PULLED:	0.00			
				RSVD	1.00	114986	SKCF2 114986 PULLED:	241.00	09-27-04		

# DEFECT RECORD REPORT

ID: 29410  
 PART NUMBER: FAT DS-02388  
 WORK ORDER: 112050  
 SALES ORDER: F1700  
 QUANTITY: 1 RW QTY: 1  
 CUSTOMER: SLAC

OFE SOLDER: 1746  
 OFF ASSEMBLY: 1645  
 DATE: 2/15/2005  
 WEEK CODE: 9

INSPECTION TYPE: 1ST SOLDER INSPECTION  
 INSPECTION LEVEL: II  
 INSPECTOR: HUBBARD

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	FIN NOTES
107	1	1857	A335		LIFTED PADS OR CONDUCTORS	L5	FIN 1 (STC 502) 12-05 (STC 502) 5-12-05

# DEFECT RECORD REPORT

ID: 290399

PART NUMBER: LA1405 02 302

WORK ORDER: 112060

SALES ORDER: F17300

QUANTITY: 1 RAW QTY: 3

CUSTOMER: SLAC

INSPECTION TYPE: 1ST SOLDER INSPECTION

INSPECTION LEVEL: 1

INSPECTOR: EMARINEZ

OFF SOLDER: 0

OFF ASSEMBLY: 0

DATE: 2/14/05

WEEK CODE: 9

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
107	2	1829	A342		> 25% OVERHANG	L6	DO 2-14-05 <i>rework damaged</i>
107	1	1829	S402		INSUFFICIENT SOLDER	L6	DO 2-14-05 <i>Damaged</i>
107	2	1829	S407		NON SOLDERED CONNECTION	L15,3	DO 2-14-05 <i>Ret. 2/18/05</i>
107	3	1829	S412		< 75% HEEL FILLET AT 10X MAGN.	L36,19,20	DO 2-14-05 <i>all rep</i>





**CRANE**  
**AEROSPACE &  
 ELECTRONICS**  
 Electronics Group

NCMR 2224  
 SLAC  
 PO# 48800  
 WO# 112060

June 30, 2005

LAT-DS-02388  
 GT-107 GLAT-1777

**Cause and Corrective Action**

Item 1.) Repair on NCMR 2224 not performed per repair instructions:

**Cause:** Jumper wire from L5 pad #1 to L14 pad # 3, was not performed per IPC 7721 method 3 6.1. as called out on the rework instructions. Operator did not position the wire correctly prior to soldering. Operator also stripped the wire too short causing the insulation to be embedded into the solder joint.

**Corrective Action:** Reviewed IPC 7721 method 3 6.1 with the operator. Reviewed proper wire strip lengths with the operator. The line supervisor oversaw the corrections and instructed the operator throughout the repair process.

Item 2.) Step 9 of traveler was bypassed.

**Cause:** A split lot of TPS Lat-DS-02388 boards were processed through the SMT area on a Friday night and Saturday morning. This traveler step was not properly signed off by the Saturday morning shift. Reviews of the other Travelers, showed that they are in compliance, and were signed off correctly. This one was missed.

**Corrective Action:** The line supervisor, line leads, assemblers and inspectors were instructed to make sure that all Traveler steps are signed off before they can proceed to the next Traveler step.

Gregory Pozzi  
 Manufacturing Engineer  
 General Technology Corp.  
 Crane Aerospace and Electronics  
 505-245-5591 X 3031

ELDEC  
 GENERAL TECHNOL  
 HYDRO-AIRE  
 INTERPOINT  
 LEAR ROMEC  
 P.L. PORTER  
 RESISTOFLEX  
 SIGNAL TECHNOL

General Technology  
 1450 Mission Avenue  
 Albuquerque, NM 87  
 505 345 5591  
 505 343 7553 fax  
 info@gtcorp.com

# GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

<p><b>NCMR NUMBER</b>      <input type="text" value="2224"/></p> <p><b>DATE</b>                      <input type="text" value="2/15/2005"/></p> <p><b>CUSTOMER</b>                <input type="text" value="SLAC"/></p> <p><b>CUSTOMER CONTACT</b>    <input type="text" value="Pat Lujan"/></p> <p><b>VENDOR</b>                    <input type="text"/></p> <p><b>PART NUMBER</b>            <input type="text" value="LAT-DS-02388"/></p> <p><b>LOT QUANTITY</b>          <input type="text" value="1"/></p> <p><b>SALES ORDER</b>            <input type="text" value="F17300"/></p> <p><b>PURCHASE ORDER</b>      <input type="text" value="0000048800"/></p> <p><b>LOT NUMBER</b>             <input type="text" value="GLAT1777"/></p> <p><b>WORK ORDER</b>            <input type="text" value="112060"/></p> <p><b>INITIATOR</b>                <input type="text" value="GREG POZZI"/></p> <p><b>ASSIGNED TO</b>            <input type="text"/></p> <p><b>DATE REQUIRED</b>          <input type="text"/></p> <p><b>ASSIGNED TO SIGNATURE</b> <input type="text"/></p> <p><b>DISCREPANCY</b>          <input type="text" value="S/N GT107&lt;br/&gt;Item 1: L5 PIN #1 HAS A LIFTED PAD. DEFECT CODE A335&lt;br/&gt;Item 2: Step 9 of traveler was bypassed"/></p> <p><b>NOTES</b>                    <input type="text" value="Interim disposition 3/8/05: Provide rework traveler and proceed with proposed repair. Report any findings to SLAC GE."/></p> <p><b>CAUSE</b>                    <input type="text" value="Operator tried to remove part without removing all of the solder. Part was slightly lifted and the pad separated from the board."/></p> <p><b>CORRECTIVE ACTION</b>    <input type="text" value="Preliminary: Remove L5 to view damaged pad and evaluate options."/></p> <p><b>FINAL DISPOSITION</b>    <input type="text" value="GET CUSTOMER APPROVAL"/></p> <p><b>Q/A APPROVAL</b>            <input type="text"/></p> <p><b>Q/A APPROVAL DATE</b>    <input type="text"/></p> <p><b>COST OF QUALITY</b>        <input type="text"/></p>	<p><b>CUSTOMER RETURN</b>      <input type="checkbox"/></p> <p><b>RMA NUMBER</b>            <input type="text"/></p> <p><b>QUANTITY RETURNED</b>    <input type="text"/></p> <p><b>VENDOR DEFECT</b>         <input type="checkbox"/></p> <p><b>QUANTITY REJECTED</b>    <input type="text"/></p> <p><b>PRODUCTION DEFECT</b>    <input checked="" type="checkbox"/></p> <p><b>QUANTITY REJECTED</b>    <input type="text"/></p> <p><b>REWORK REQUIRED</b>        <input checked="" type="checkbox"/></p> <p><b>QUANTITY REWORKED</b>   <input type="text"/></p> <p><b>PURCHASING DEFECT</b>    <input type="checkbox"/></p> <p><b>PURCHASING QUANTITY REJECTED</b> <input type="text"/></p>
---	--

# GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

<b>NCMR NUMBER</b>	<input type="text" value="2224"/>	<b>CUSTOMER RETURN</b>	<input type="checkbox"/>
<b>DATE</b>	<input type="text" value="2/15/2005"/>	<b>RMA NUMBER</b>	<input type="text"/>
<b>CUSTOMER</b>	<input type="text" value="SLAC"/>	<b>QUANTITY RETURNED</b>	<input type="text"/>
<b>CUSTOMER CONTACT</b>	<input type="text" value="Pat Lujan"/>	<b>VENDOR DEFECT</b>	<input type="checkbox"/>
<b>VENDOR</b>	<input type="text"/>	<b>QUANTITY REJECTED</b>	<input type="text"/>
<b>PART NUMBER</b>	<input type="text" value="LAT-DS-02388"/>	<b>PRODUCTION DEFECT</b>	<input checked="" type="checkbox"/>
<b>LOT QUANTITY</b>	<input type="text" value="1"/>	<b>QUANTITY REJECTED</b>	<input type="text"/>
<b>SALES ORDER</b>	<input type="text" value="F17300"/>	<b>REWORK REQUIRED</b>	<input checked="" type="checkbox"/>
<b>PURCHASE ORDER</b>	<input type="text" value="0000048800"/>	<b>QUANTITY REWORKED</b>	<input type="text"/>
<b>LOT NUMBER</b>	<input type="text"/>	<b>PURCHASING DEFECT</b>	<input type="checkbox"/>
<b>WORK ORDER</b>	<input type="text" value="112060"/>	<b>PURCHASING QUANTITY REJECTED</b>	<input type="text"/>
<b>INITIATOR</b>	<input type="text" value="GREG POZZI"/>		
<b>ASSIGNED TO</b>	<input type="text"/>		
<b>DATE REQUIRED</b>	<input type="text"/>		
<b>ASSIGNED TO SIGNATURE</b>	<input type="text"/>		
<b>DISCREPANCY</b>	<input type="text" value="L5 PIN #1 HAS A LIFTED PAD, DEFECT CODE A335&lt;br/&gt;S/N GT107"/>		
<b>NOTES</b>	<input type="text"/>		
<b>CAUSE</b>	<input type="text" value="Operator tried to remove part without removing all of the solder. Part was slightly lifted and the pad separated from the board."/>		
<b>CORRECTIVE ACTION</b>	<input type="text" value="Preliminary: Remove L5 to view damaged pad and evaluate options."/>		
<b>FINAL DISPOSITION</b>	<input type="text" value="Interim Disposition"/>		
<b>Q/A APPROVAL</b>	<input type="text" value="K. [Signature]"/> 2/15/05		
<b>Q/A APPROVAL DATE</b>	<input type="text"/>		
<b>COST OF QUALITY</b>	<input type="text"/>		

WESTEK

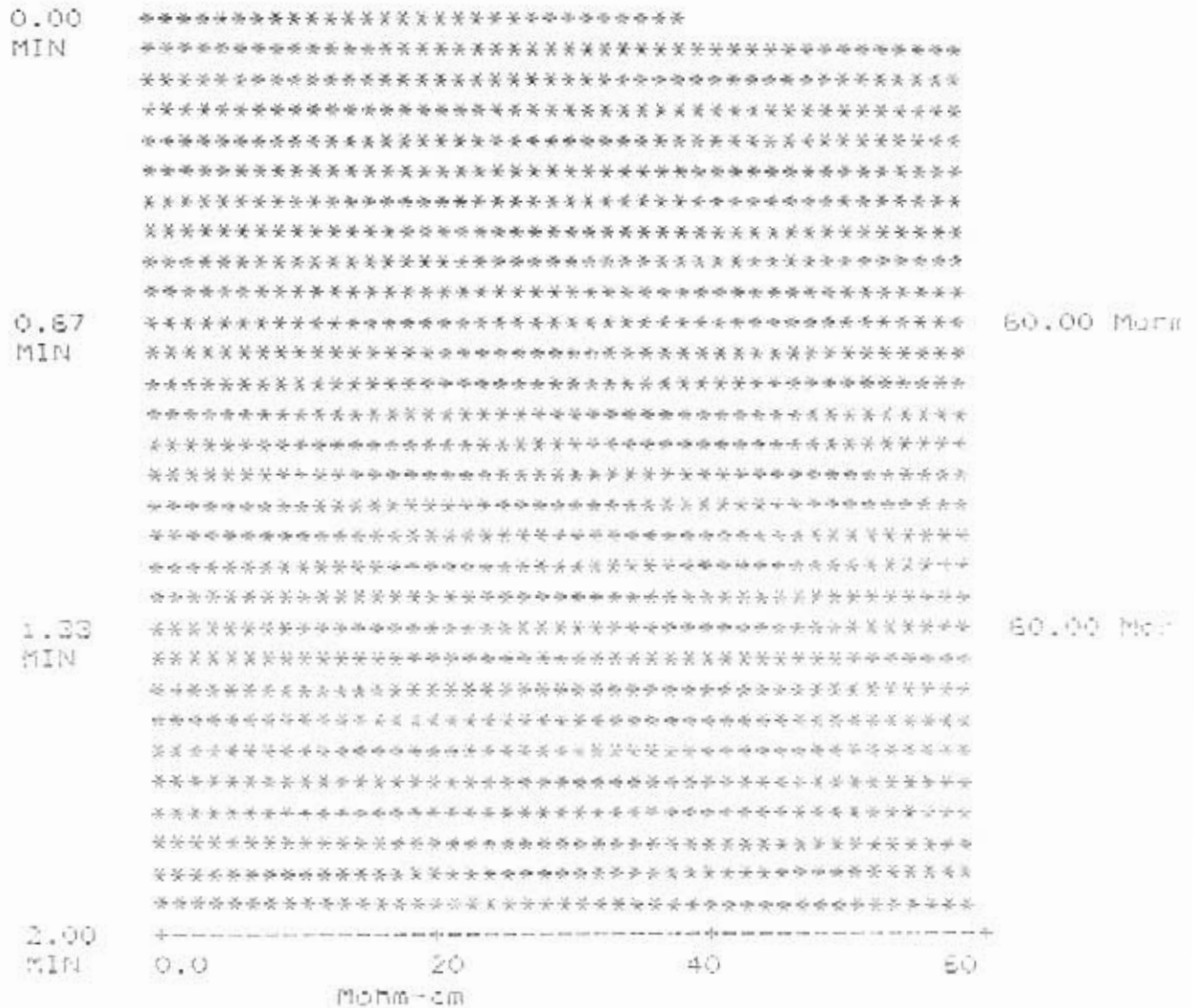
Operator : HANH  
06/29/05  
18:31:05

Test Type : Auto  
Test name : 'Manual Test'  
Board # GT107 has P A S S E D

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

Initial Resistivity : 53.40 Mohm-cm  
NaCl Equivalence (Final) : 0.58 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 60.00 Mohm-cm



NCMR 2224  
SLAC  
PO# 48800  
WO# 112060

June 30, 2005

LAT-DS-02388  
GT-107 GLAT-1777

### Cause and Corrective Action

Item 1.) Repair on NCMR 2224 not performed per repair instructions:

**Cause:** Jumper wire from L5 pad #1 to L14 pad # 3, was not performed per IPC 7721 method 3 6.1. as called out on the rework instructions. Operator did not position the wire correctly prior to soldering. Operator also stripped the wire too short causing the insulation to be embedded into the solder joint.

**Corrective Action:** Reviewed IPC 7721 method 3 6.1 with the operator. Reviewed proper wire strip lengths with the operator. The line supervisor oversaw the corrections and instructed the operator throughout the repair process.

Item 2.) Step 9 of traveler was bypassed.

**Cause:** A split lot of TPS Lat-DS-02388 boards were processed through the SMT area on a Friday night and Saturday morning. This traveler step was not properly signed off by the Saturday morning shift. Reviews of the other Travelers, showed that they are in compliance, and were signed off correctly. This one was missed.

**Corrective Action:** The line supervisor, line leads, assemblers and inspectors were instructed to make sure that all Traveler steps are signed off before they can proceed to the next Traveler step.

Gregory Pozzi  
Manufacturing Engineer  
General Technology Corp.  
Crane Aerospace and Electronics  
505-245-5591 X 3031

ELDEC

GENERAL TECHNOLOGY

HYDRO-AIRE

INTERPOINT

LEAR ROMEO

P. L. PORTER

RESISTORLEX

SIGNAL TECHNOLOGY

General Technology  
1450 Mission Avenue  
Albuquerque, NM 87102  
505 345 5591  
505 343 7663 fax

info@gr-corp.com

## REWORK TRAVELER

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

APPROVAL <span style="float: right;">(Original signed edition RESERVED for copying) <i>[Signature]</i></span>							
G. POZZI	4-18-05	G. HEFKIN	4-18-05	K. BERGTHOLDT	P. LUJAN		
PREPARED BY	DATE	ENG MGR SUP.	DATE	QA MGR Eth.	DATE	SLAC SOURCE	DATE 4-19-05

STEP	OPERATION	Operator Sign Off	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>107</u> GLAT- <u>1777</u>	<i>[Signature]</i>	04/23/05	
2	<b>OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS</b> USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. <b>NO SOLDER BALLS ALLOWED.</b>	<i>[Signature]</i>	06/08/05	
3	AQUEOUS CLEAN USING RECIPE #3	<i>Dim - 122.48/05</i>	4/8/05	
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		4/9/05	
5	<i>transferred bag + changed procedure id.</i> SOURCE INSPECTION	<i>6/20/05</i> 	4/17/05	



## REWORK TRAVELER

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

ASSEMBLY NAME: SLAC CCA'S	QTY: ALL
---------------------------	----------

<b>APPROVAL</b>							
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
1	Record serial numbers: TPS LAT-DS-02388 SN's GT- <u>107</u> , GLAT- <u>1777</u>	Byp	04/20/05	
2	<p><b>OPERATOR:</b></p> <p>REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS</p> <p>PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG.</p> <p>KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.</p>	Byp Byp Byp	05/18/05 05/18/05 05/18/05	
3	<p><b>OPERATOR:</b></p> <p>VERIFY PADS HAVE NO DAMAGE.</p>	Byp	05/18/05	
3	<p><b>OPERATOR:</b></p> <p>SOLDER Q10, Q11, AND Q12 ONTO BOARD</p> <p>USE THE METCAL SOLDERING IRON WITH A .5" BLADE TIP.</p>	Byp	05/18/05	
4	<p><b>OPERATOR:</b></p> <p>HAND CLEAN BOARDS USING ALCOHOL.</p>	Byp	06/08/05	
5	<p><b>INSPECTION:</b></p> <p>INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS</p>	Byp	6/13/05	
6	SOURCE INSPECTION	Byp	6/17/05	



## REWORK TRAVELER

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

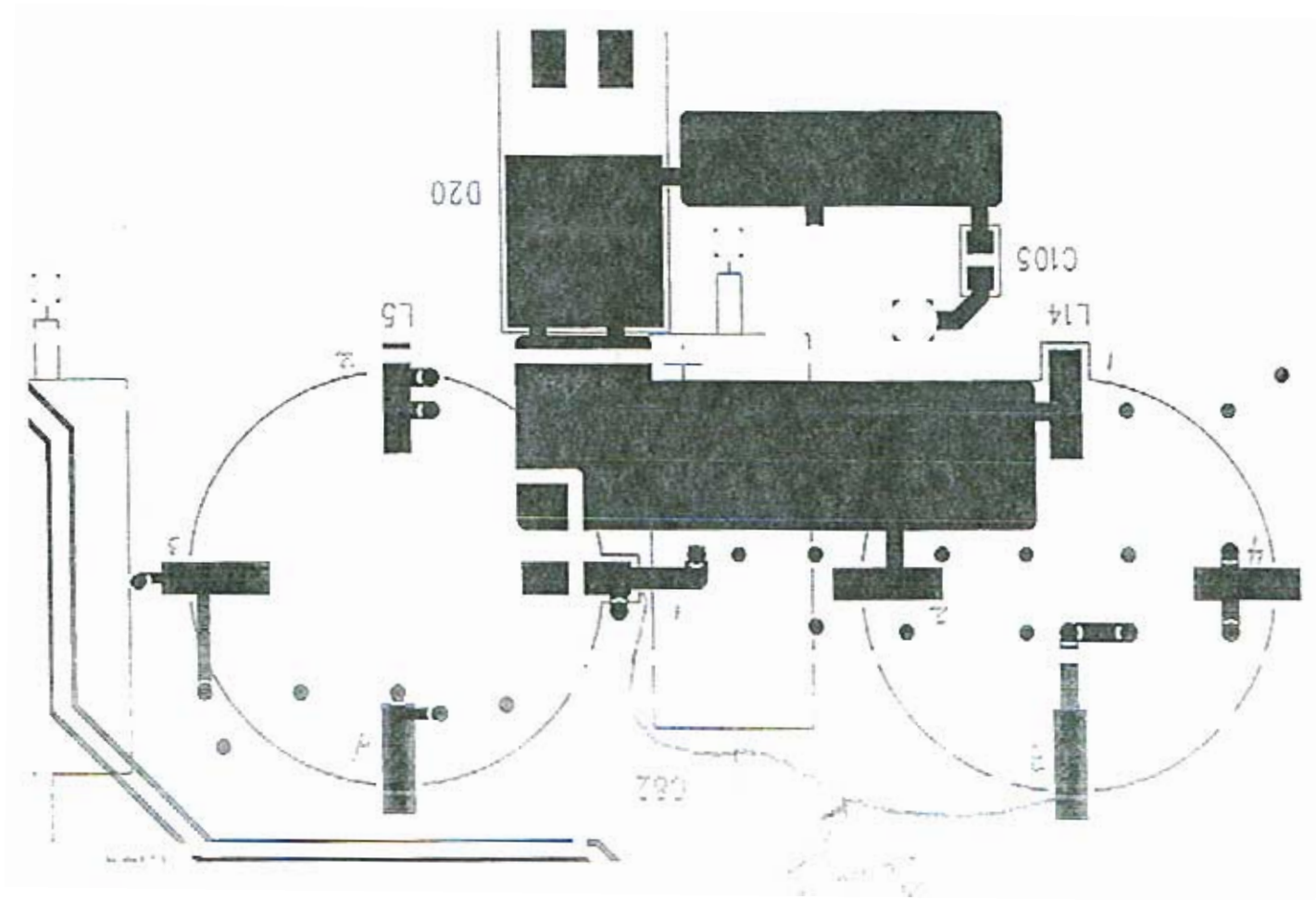
APPROVAL							
G. Pozzi	4-25-05	G. Hefkin	4-25-05	M. Mora	4-25-05	P. Lujan	4-25-05
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	Source Insp.	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	RE. NCMR 2323. <i>sun</i> Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792 __ Serial Number <u>GT107 GLAT1777</u>	 <i>Byf</i>	04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSSES.	 <i>Byf</i>	06/09/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	 <i>Byf</i>	06/09/05	
4	TRIM CABLE TIES FLUSH TO THE STRAP HEAD ADD A DROP OF ADHESIVE TO THE CUT STRAP SO THAT THE ADHESIVE FLOWS DOWN INTO THE LOCKING MECHANISM. USE HYSOL 0151 ADHESIVE <i>REFER TO CAA LAT-DS-02388 FOR MIX INSTRUCTIONS</i>	 <i>Byf</i>	06/09/05	
5	Hysol 0151 data: DATE MIXED <u>06/09/05</u> Expiration Date <u>01/31/07</u> PO# <u>31403</u>	 <i>Byf</i>	06/09/05	
6	Inspection	 <i>Byf</i>	6/10/05	
7	Source Inspection		6/17/05	









LAT-DS-02388  
CCA, SLAC-GLAST,TPS  
SN GT-107  
SO # F17300  
WO# 112060  
NCMR 2224

2-17-05

Repair of lifted pad on L5 Pin 1

Component <sup>L5</sup>L5 was removed to better view the damage to Pin #1 pad per NCMR 2224.

Inspection of the lifted pad shows two via hole connections. One of them has approximately 50% of the pad torn from it. Both of these via holes are connected to the internal "Power Plane Layer #3". (See photos and copy of schematic.)

Suggested repair methods:










1. Reattach lifted pad using IPC 7721 Method # 4.4.1, Lifted Land Repair Epoxy Method.
2. Add a jumper wire from L5 pad #1 to L14 pad # 3 per IPC 7721 Method # 6.1.

Gregory Pozzi  
Manufacturing Engineer  
Mixed Cell  
X3031



## REWORK TRAVELER

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

APPROVAL							
G. POZZI	3-08-05	G. POZZI	3-08-05	K. HANRAHAN	3/8/05	MORA	3-9-05
PREPARED BY	DATE	ENG MGR	DATE	PROD MGR	DATE	QA MGR	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: <u>GT107 GLAT1777</u> <u>NCMR 2224</u>			
2	CLEAN AREA AROUND L5 PAD #1 WITH ALCOHOL		03-11-05	
3	BOND PAD TO BOARD PER IPC7721 METHOD#4.4.1, LIFTED LAND REPAIR EPOXY METHOD. USE LOCTITE/ HYSOL ADHESIVE # 0151. RECORD PO# <u>30156</u> EXPIRATION DATE <u>01-07</u>		03-11-05	
4	BAKE AT 170 TO 180 DEGREES F FOR 1 HOUR		03-11-05	
5	INSPECTION		3/14/05	
6	ADD A JUMPER WIRE FROM L5 PAD #1 TO L14 PAD #3. PER IPC 7721 METHOD 3.6.1. USE MAGNET WIRE 22 AWG PN J-W-1177/14-22-0 RECORD PO# <u>96623</u> LOT # <u>91501</u>		03-12-05	
7	TACK WIRE TO BOARD TWO PLACES. (SEE ATTACHED SKETCH). USE LOCTITE/ HYSOL ADHESIVE # 0151. RECORD PO# <u>30156</u> EXPIRATION DATE <u>01-07</u>		03-12-05	
8	BAKE AT 170 TO 180 DEGREES F FOR 1 HOUR		03-12-05	
9	INSPECTION		3/14/05	
10	SOURCE INSPECTION		3/14/05	

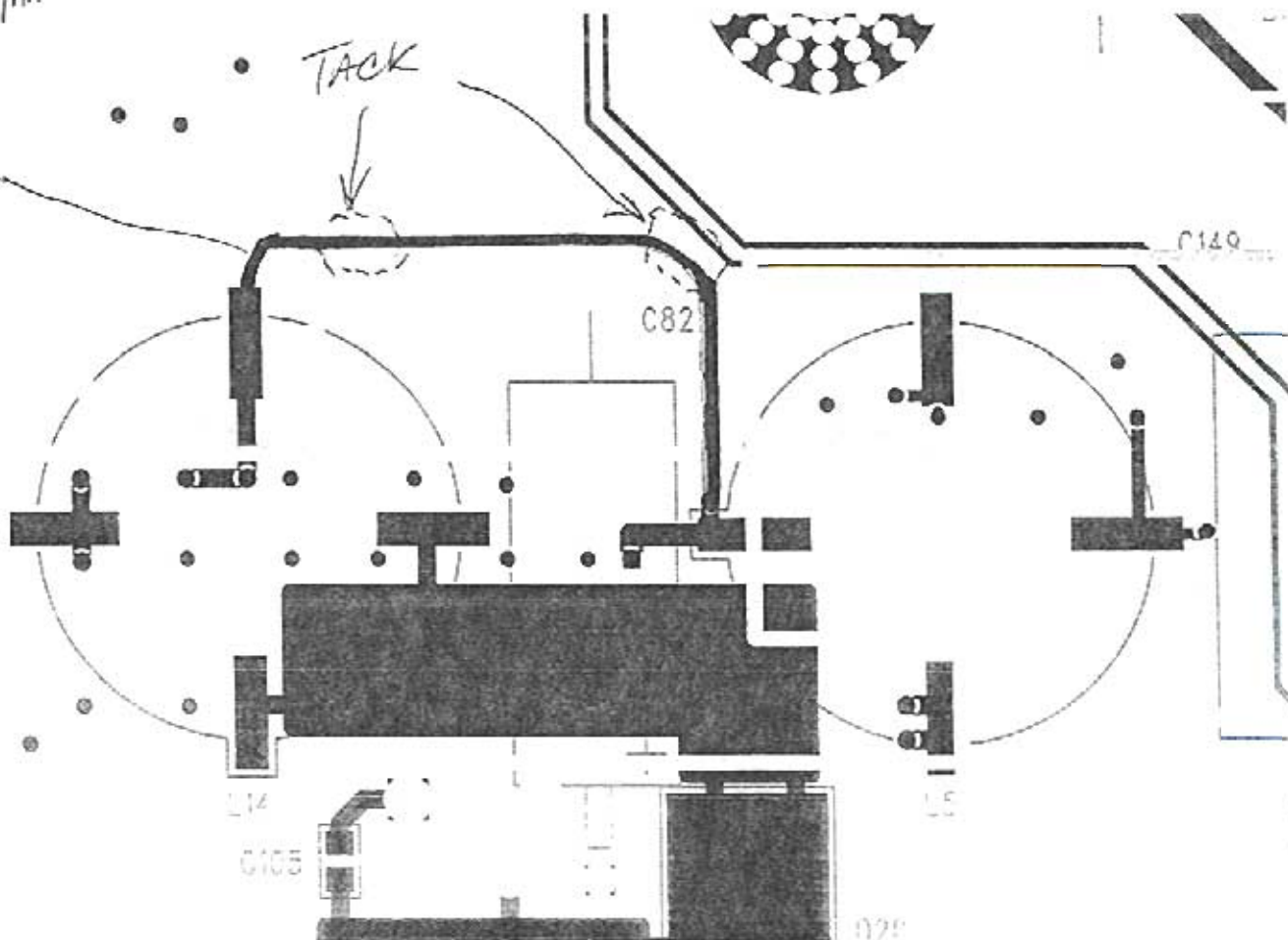
Reworked wire L5 Pad #1 to L14 Pad #3 per IPC 7721 inspection of wire from L5 pad to L14 pad.

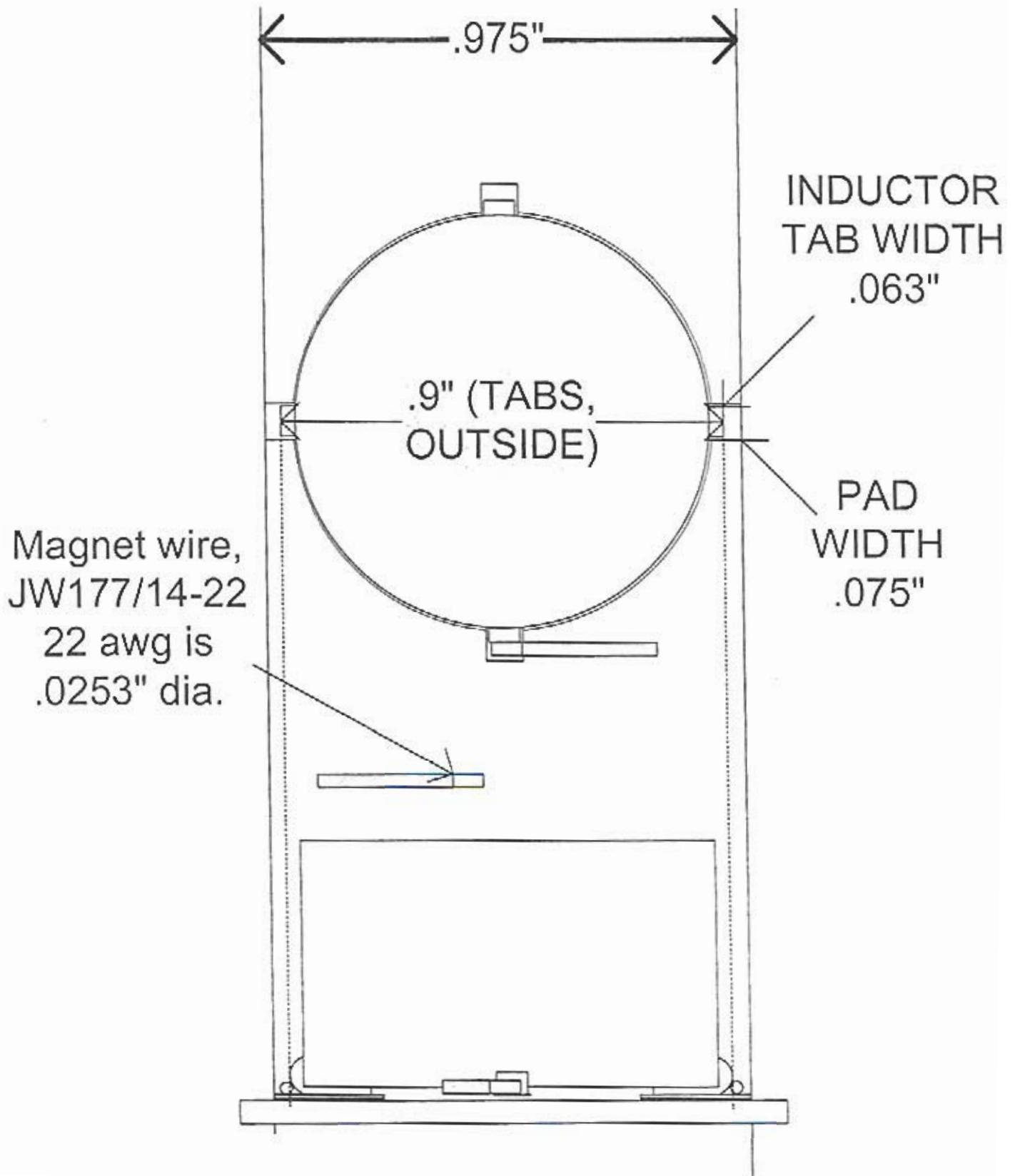
 M.D. 04/26/05  
 4/26/05

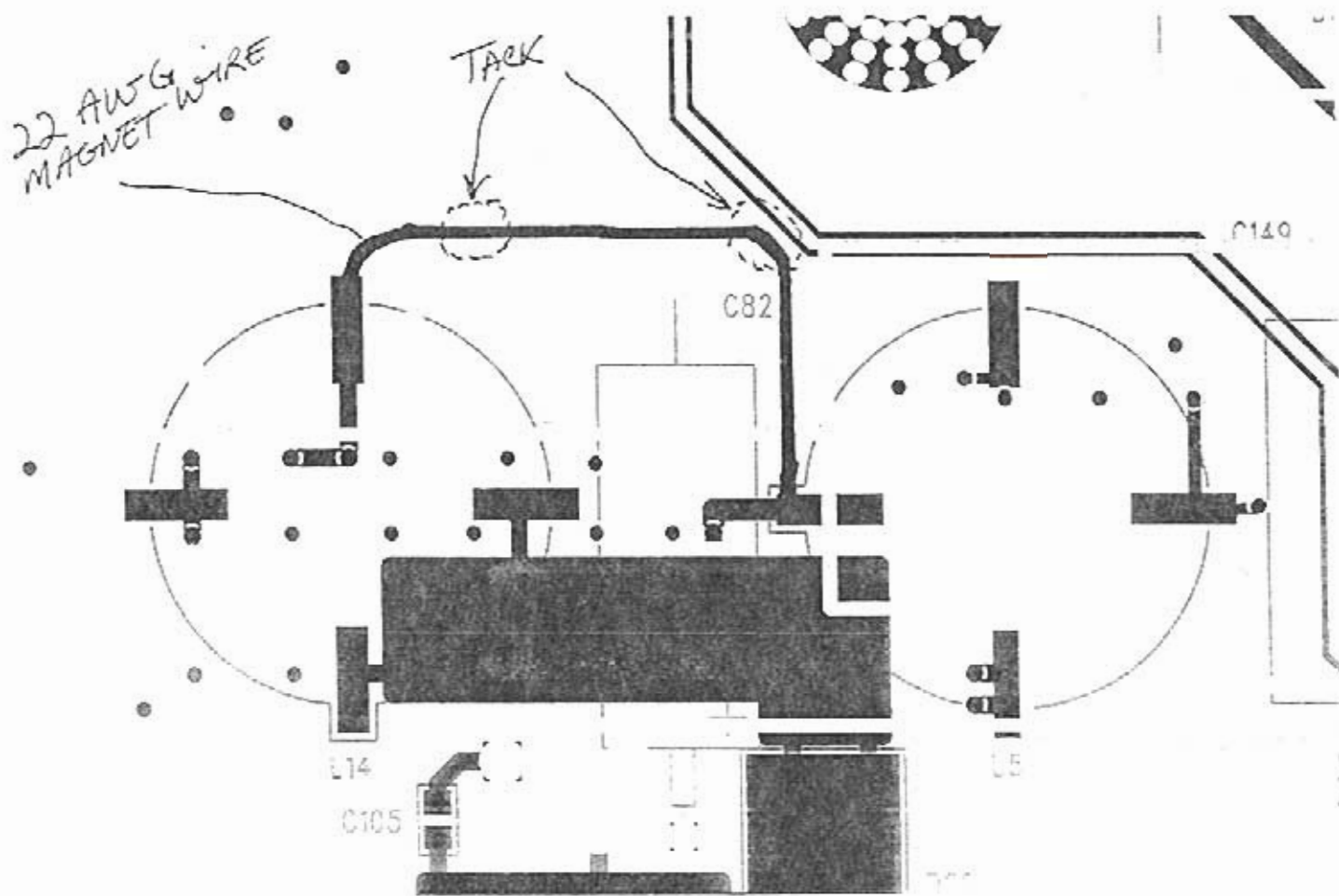


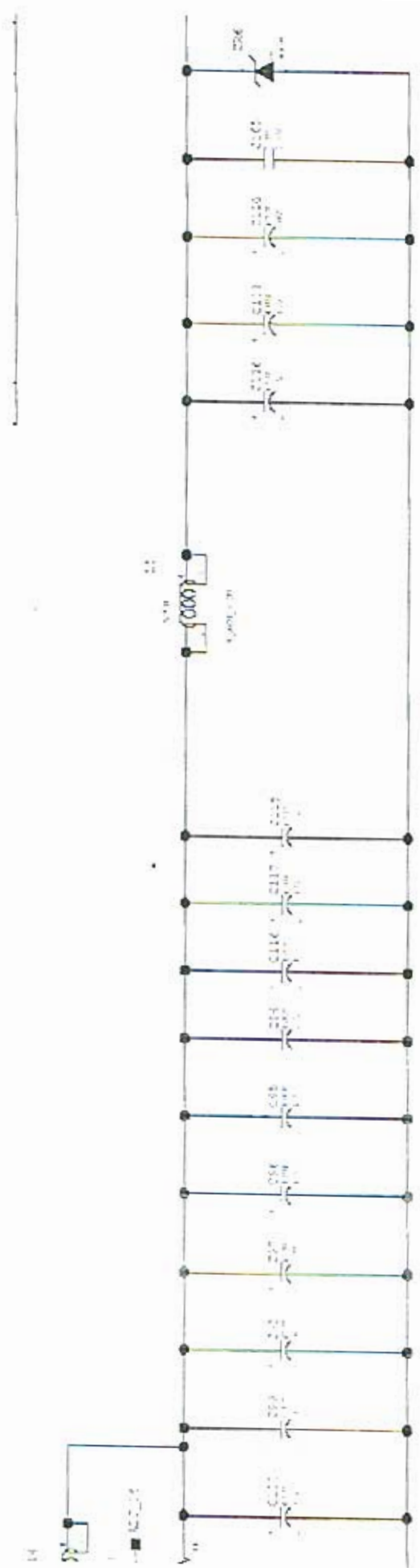
22 AWG MAGNET  
WIRE

TACK







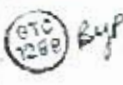


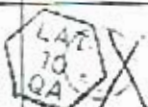




## REWORK TRAVELER

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

APPROVAL G. POZZI <i>G. Pozzi</i>	G. HEFKIN	K. BERGTHOLDT <i>K. Bergtholdt to MKM</i>	P. LUJAN <i>P. Lujan</i>
PREPARED BY	DATE	QA MGR	DATE
	<i>4-28-05</i>	<i>4/20/05</i>	<i>4-28-05</i>
	ENG MGR		SLAC SOURCE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- <u>107</u> GLAT- <u>1777</u>	 <i>Buy</i>	<i>04/28/05</i>	
2	OPERATOR: STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40	 <i>Buy</i>	<i>04/28/05</i>	
3	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.		<i>6/13/05</i>	
4	SOURCE INSPECTION		<i>6/17/05</i>	
		VOID REJECT STAMP USED IN ERROR		
			<i>Pt Lujan 6-17-05</i>	





**CRANE**  
 AEROSPACE &  
 ELECTRONICS  
 Electronics Group

NCMR 2300  
 SLAC  
 PO# 48800  
 WO# 112060

May 20, 2005

LAT-DS-02388  
 GT-107 GLAT-1777

**Cause and Corrective Action**

Item 1.) Excessive Solder balls surrounding Surface Mount Components:

**Cause:**

Solder balls and micro solder balls were caused in the solder reflow oven.

**Corrective Action:**

The normal procedure would be to reprofile the board for reflow through the oven to obtain the best available solder joints. All boards of this series were completed. Issued a rework procedure to clean solder balls from components and board.

Item 2.) Repair on NCMR 2224 not performed per repair instructions:

**Cause:**

Jumper wire from L5 pad #1 to L14 pad # 3, was not performed per IPC 7721 method 3 6.1, as called out on the rework instructions. Operator did not position the wire correctly prior to soldering. Operator also stripped the wire too short causing the insulation to be embedded into the solder joint.

**Corrective Action:**

Reviewed IPC 7721 method 3 6.1 with the operator. Reviewed proper wire strip lengths with the operator. The line supervisor oversaw the corrections and instructed the operator throughout the repair process.

Gregory Pozzi  
 Manufacturing Engineer  
 General Technology Corp.  
 Crane Aerospace and Electronics  
 505-245-5591 X 3031

- ELDEC
- ▶ GENERAL TECHNOLOGY
- HYDRO AIRE
- INTERPOINT
- LEAR/ROMEC
- P.L. PORTER
- RESISTORLEX
- SIGNAL TECHNOLOGY
- General Technology  
 1450 Mission Avenue  
 Albuquerque, NM 871  
 505 345 5591  
 505 343 7653 fax  
 info@gt-corp.com



General Technology Corporation

# CONFORMAL COATING DATA SHEET

CCA PIN: LAT-DS-02388 GLAT1777 GT107

W.O. #: 112060

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

Date: 7-8-05

## MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

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

AIR CURE: START - 11:20AM (7-8-05) FINISH 2:00 PM

OVEN CURE: START - 7/8/05 2:00PM END 4:00PM

WORK UNIT 3 MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER NEW

PNJ 1A1 TA 0283 11  
ASSY LABEL TPA 016 PAR

WTR 10000  
MFG UNIT 02 04 05  
REL DATE 02 23 05  
PCB  
PCB 000004400

UNIT 10  
PROJECTS P17300  
METS 10300

DATE:

SERIAL NUMBER LISTING

N/A

APPROVAL

PROD: 2/10/05  
DA: 2/9/05

WORKMANSHIP

ANSI-Z-370-0010 CLASS 3, OTHER  
(DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE, ABOVE)

LOT NO	QTY	SERIAL NUMBERS	SEC NO	REASON	APPRV	DATE
A	15	N/A	3		mm	2/10/05
B	4	N/A	3	To mak.	mm	2/10/05

(whdr rev 02 13 01 gth)

LINE PART NAME OR DESCRIPTION... SETUP RUN... LINE-MACH... WT-LWT



300 00 CONFIG RECORD/FITTING... P.0000 P.0000 P.0000

\*\*\*\*\* CONFIGURATION PAYMENTS \*\*\*\*\*  
 ASSY & PL DOCUMENT NUMBER REV TO/PL OUTSTANDING EQ'S  
 REFERENCE ASSY PL LAT-DS-0283 11 NONE  
 TEST SPEC N/A  
 ASSY AID N/A  
 CUSTOMER NAME SLAC  
 \*\*\*\*\* QUOTE DOCUMENTS \*\*\*\*\*  
 USE TRAVELER AND DRAWING  
 \*REV'D/PREP'D BY: GH (DATE/DAID: 02 03 05)

DATE	QTY	REMARKS	STATUS
2-9-05			mm



W. 1711 1 MIXED

W. 1711 1 MIXED

DESCRIPTION

W. 1711 1 MIXED

PAGE 2

W. 1711 1 MIXED

W. 1711 1 MIXED

W. 1711 1 MIXED

114 DEPT MACHS CTS DESCRIPTION

SET-UP RUN... LINE-MACH ST-LOC.



7 201 00 STOCKROOM/SHIPPING AREA KIT PARTS/MATERIALS

• WIRE CRIME PINS, CONNECTOR, AND RTV

STATUS QTY REMARKS STATUS

WIRE CRIMP MIXER

CUSTOMER: 1140

TYPE: PRODUCTION

WORK ORDER: TRAVELMAN 804

WIR 112044  
 REQ DATE 07/14/05  
 EST DATE 07/14/05  
 PROJ CTG 14  
 PROJ STA 14  
 PROJ W/1204  
 PROJ 1544

WIRE TEST MACH# OF# PRESCRIPTION  
 W O U B S  
 SET-UP RIM 3 LINE MACH ST-001



00 WGA BLACK BOX ASSY AREA  
 CUT WIRE STRIP WIRE  
 CRIMP SOCKET CONTACTS  
 TIN LEADS

\* CRIMP TEST SETUP - 900-2-81

CUT 6 PIECES OF WIRE 3' 6" TO 3' LONG, FOR FULL TESTS.  
 USE 1 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

\* STRIPPING METHOD - ALL ASSEMBLY AND TEST ACTIVITY

USE ~~STRIPPERS~~ PNEUMATIC WIRE STRIPPER SET UP WITH  
 24 AMP STRIP BLADES, A STRIP LENGTH OF 1/8" (1.25")  
 AND LEAVES THE INSULATION SLUG IN PLACE.

*21/11/05 9:00 AM MEXX #1490 - 014*

\* PRE-ASSY CRIMP TEST

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE  
 SAMPLE CRIMPS PER GTC-2041. RECORD RESULTS. IF FAIL,  
 CONTACT ENGINEERING.

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

*Crimp Tensile Strength paper attached  
 Print*

\* ASSEMBLY ACTIVITY

- 1) FRED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SLUG. (1/8" (1.25"))
- 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 FOLDER DIP. CLEAN WITH ALCOHOL
- 6) FULL INSULATION SLUG AND CRIMP CONTACT (220) ONTO LEAD  
 USE M2252072-01 CRIMPER W/ M22420 D-14 DIESET/LOCATOR

\* POST-ASSY CRIMP TEST

STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE  
 SAMPLE CRIMPS PER GTC-2041. RECORD RESULTS. IF FAIL,  
 CONTACT ENGINEERING

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

DATE: 2/15/05 QTY: 4 REMARKS: 78 wires x 4 = 312 STATUS: Rm1970

WORK TITLE: A NIXON

COMPONENT: 2024

DESCRIPTION

WIRE COOPER TRAVELLER - NTK

NO. OF PARTS: 05-02831-01  
TASK: CASLE, TPR OVI PAR

NO. 112144  
REV. DATE: 02-04-05  
REL. DATE: 03-09-05  
SIC: 0000000000  
PDI: 0000000000

UNIT: 14  
LOC: 13  
REWORKS: 11100  
LIST: 14156

PAGE 1

IN DEPT. MATR. OR DESCRIPTION

U O I E S

SET-UP: 016 LINE-MAN ST-101



010 00 002 BLACK BOX ASSY AREA 4 0000 010000 010000  
002 WIRES AT CONNECTOR

- APPLY RTV, D04-1114, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL TOWARD THE WIRES 1/2" TO 5/8"
- TRANSFER RTV TO AN EFD SYRINGE TYPE OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.
- ALIGN WIRES WITH 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 COU.
- APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE CORNERS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.
- RECORD RTV MATERIAL P04 AND EXPIRATION DATE BELOW.
- CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (49 C).
- RECORD CURE DATE, START/STOP TIME BELOW.

QTY: 31201 EXT. DATE: 6-12-05  
 DATE: 03-08-05 START: 10:48 AM STOP: 12:48 PM

DATE	QTY	REMARKS	STATUS
03-08-05	4	RTV Conn	1212



010 00 002 QUALITY ASSURANCE NTK 4 0000 010000 010000  
002 WIRES AT ASSY

- INSPECT INDIVIDUAL PARTS OF LEAD ASSEMBLY
- RECORD DEFECT RECORD REPORT NUMBER, REF #

IRREPAIR

ROUTE TO: NO CLOSURE AND NEXT ASSY - LAD-05-0288

QTY: 3905 4



ASSEMBLY # : 1A2-DS 02831 01  
QTY : 19  
CAUTION: W02

BY LINE ITEM

EFFECTIVITY DATE : 02-08-05  
RELEASE DATE : 01-03-05  
DATE PRINTED : 02-09-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIREMENTS		RESV IN LOT #	INVLOC NUMBER	INVENTORY DETAIL					
			REQUIRED QTY	CURR STAT QTY			LOT	LOT DATE	BIN	QUANTITY		
1	20557-1 CONN: 1121401-55 B-15 ORIGINAL QUANTITY...	EA	100	00	19 00	SKCP2 FN-1		0.00				
<p>The following parts have been defined as alternates for 20557-1:</p> <p>Line 1.1 3119401-55 B-15 1 PER</p> <p>Partial quantity replacements are allowed.</p> <p><i>SBENT-DS-02831</i> <i>LOT # 114947</i></p>												
2	M21759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	940	00	RSVD 16340.00	115299	SKCP2 FN-3	34056	00	10-01-04	LOT1152	
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	26	84	00 510.00	SKCP2 FN-2		0.00				
<p>The following parts have been defined as alternates for 206071-1:</p> <p>Line 3.1 00051 1 PER</p> <p>Partial quantity replacements are allowed.</p>												
3.1	00051 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	51.16	RSVD	972 00	115001	SKCP2 FN-2	972	00	08-27-04		
<p>This line is an alternate part for line 3. 00051 is used in a 1 to 1 ratio to 206071. Partial quantity replacements are allowed.</p>												
4	DC6-110s ADHESIVE ORIGINAL QUANTITY...	02	1.00	00	10 00	SKCP2 FN-2		0.00				
<p>REQUIREMENT SHOWS ON 1A2-DS-02831. APPLY HERE PULLED:</p>												



1345

## CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHOA 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-A-520)	R Mannon 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A-834)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	ALPHA TRON MPT 2007 (1.15.05)	
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:	13.4	13.8	13.8
PASS/FAIL (circle test result)	PASS	PASS	PASS
	FAIL	FAIL	FAIL
	Type of Separation Observed		
SLIP (pull out) (a)		✓	✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)	✓		
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

1555

## CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	/	TEST DATE
CONTACT PN:		2/15/05
WIRE PN:		TESTED BY
CRIMP TOOL PN (GTC Tool #):	(GTC- )	RHODA MAEMOJ
DIE/LOCATOR PN (GTC Tool #):	(GTC- )	WORK ORDER NO.
SELECTOR VALUE:		112044
TEST EQUIP # (Last CAL date):	(677-07)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

## OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	12.9	13.6	13.6
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	

ASSY: 0259 LAT-02-01281  
SLAC: 0259

NO: 025915  
REV: 025915  
DATE: 02/24/05  
TIME: 09:00  
JOB: 02591500

CUST ID: 025915  
PROJECT: 025915  
REV: 025915

SERIAL NUMBER  
QT118 GLAT1807

APPROVAL  
PRO: RLH 4/27/05  
DATE: 4.27.05

WORKMANSHIP: .....  
ISO/EIA 9000-2000 CLASS 3, WITH "CS" SPACE SUPPLEMENT  
SLAC CAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE  
IF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC CAR MAY  
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.  
WH: 02.28.04

100 TEST MACHY OFF DESCRIPTION ..... HOURS  
SET-UP RUN... LINE-MACH 02-1001



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000

\*\*\*\*\* CONFIGURATION DOCUMENTS \*\*\*\*\*  
DOCUMENT NUMBER REV TO/FR OUTSTANDING ED'S  
ASSY DWG. LAT-02-01281 04 NONE  
BOM P. 025915 (ON DWG)  
TEST SW: LAT-02-00418 02 NONE  
ESS TEST: (N/A THIS LEVEL)  
ASSY AID: LAT-02-01281 (RELEASED PER 02 2426)  
CUSTOMER NAME: SLAC STANFORD LINEAR ACCELERATOR CENTER  
BUILD DOCUMENTS  
USE .. WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.  
\*\*\* SEE FOOTER OF WORK ORDER FOR REV HISTORY \*\*\*

DATE	QTY	REMARKS	STATUS
4-27-05			<i>[Signature]</i>



0 201 00 STOCKROOM/KITTING AREA 0.0000 0.0000 0.0000

PROCESS MATERIAL PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
4/27/05	1		<i>[Signature]</i>



WORK CELL: 1-RTG RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

PNP LAY-DS-31481  
ASSY, BLAST. DAQ. TEM

NO 114119  
DATE 10/01/05  
BY 100000  
M 100000  
C 100000  
S 100000  
E 100000  
R 100000  
T 100000  
L 100000  
K 100000

COST # 1  
PROJECT # 1  
CUST # 1  
117200  
101000  
101000

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



3 210 10 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
APPLY ADHESIVE

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

SIC NO: 32131 EXP DATE 10/01/05  
 LOT #'S: PT A: 32775 PT B: 32775  
 MIX RECORD (PART A WGT): 15gr (PART B WGT): 1gr

DATE...	QTY..	REMARKS.....	STATUS
<u>07/04/05</u>	<u>1</u>		<u>ByP(1288)</u>



4 210 10 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0010  
LOG CCA SN TO WORK ORDER  
CRASS SCREW THREADS  
INSTALL CCA TO BOX

- PROCESS ASSY PER CAA STEP 4.
- INSTALLED CCA SERIAL NUMBER: GT118

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



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

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

TORQUE TOOL = GTCE95 1/2  
 CTC-S-914 CAL DUE DATE 09/05

DATE	QTY	REMARKS.....	STATUS
<u>07/06/05</u>	<u>1</u>		<u>ByP(1288)</u>
<u>7-20-05</u>	<u>1</u>	<u>WITNESS TORQUE</u>	



WORK CELL: 1-B19 RUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

1/5/05 12:10:00  
ASSY: GLAST, 121, 124

WOB 111119  
WROD DATE 04-01-05  
WROD DATE 04-01-05  
WOB 111119  
WROD DATE 04-01-05  
WROD DATE 04-01-05

COST #  
UTL  
PROJECT # 17920  
COST # 16286

PAGE 3

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



6 419 00 00A/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
STAKE BOLT HEADS

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

ADSNV (191): GTC PO# 31403 EXPIRATION DATE 01/31/07  
CURE DATE/TIME: START 07/06/05 1:00 PM STOP 3:00 PM

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



7 310 00 00A/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
ASSY MARKING

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

INK 50-1008 GTC PO# 31201 EXPIRATION DATE 04/27/07  
LOT # 1PT A: 200409080033  
LOT # 1PT B: 200407020071  
MIX RECORD 1PT A WGT: 3.1g (PT B WGT) 1.0g  
MARKING DATE/TIME: 07/06/05 1:00 PM - 3:00 PM  
CURE OCCURS AT STAKING STEP 13.

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



8 190 00 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
1PT: 01R-0 ASSY-12

- PROCESS ASSY PER CAA STEP 8.

RECORD DEFECT REPORT NO. IF APPLICABLE:

DATE	QTY	REMARKS	STATUS
7/6/05	1		



WORK CELL: 1-819-KUNNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

7 FNF LAC-06-01801  
ASSY SLAC77, JAO, TEM

NO: 113119  
DATE: 01-09-05  
DATE: 01-09-05  
DATE: 01-09-05  
DATE: 01-09-05  
DATE: 01-09-05

CUST ID  
PROJECT  
COST  
COST

.....  
LIM DEPT MACH# CP# DESCRIPTION.....  
.....  
.....



9 240 00 SOURCE INSPECTION 0.0000 0.0000 0.0100  
EXAMINE BOX ASSY

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

DATE	QTY	REMARKS	STATUS
7.7.05	1	G CAT 1807	



10 210 07 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0100  
INSTALL LID

- PROCESS ASSY PER CAA STEP 10.

DATE	QTY	REMARKS	STATUS
07/07/05	1		Byf(1288)



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

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

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

DATE	QTY	REMARKS	STATUS
07/07/05	1		Byf(1288)
7.7.05	1	WITNESS TORQUE	



12 257 01 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0100  
CPE: SLDR-5 ASSY-91

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

DATE	QTY	REMARKS	STATUS
7/7/05	1		



WORK ORDER: 1-BIG SKINNER

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 5

Q/PN# 147 DS 01681  
ASSY. CLASS# 130. 000

WC# 119110  
REQ. DATE 14-03-10  
REL. DATE 04-04-10  
SC# F17200  
POS 0000018799

CUST ID#  
QTY  
PROCESS# F17200  
MSTR# 12122

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



13 000 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000  
STAKE BOLT HEADS

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

ACREV 1181: OTC PO# 31403 EXPIRATION DATE 01/31/07  
 CURR DATE/TIME: START 07/07/05 2:00 PM STOP 4:00 PM

DATE	QTY	REMARKS	STATUS
<u>07/07/05</u>	<u>1</u>		<u>Sup (1280)</u>



14 000 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
SPE: SLDR-0 ASSY-37

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

DATE	QTY	REMARKS	STATUS
<u>7/8/05</u>	<u>1</u>		



15 000 00 SOURCE INSPECTION 0.0000 0.0000 0.0000  
CUSTOMER SOURCE INSP

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

DATE	QTY	REMARKS	STATUS
<u>7.8.05</u>	<u>1</u>	<u>GCAT 1807</u>	

\*\*\*\*\* TRAVELER REVISION HISTORY RECORD \*\*\*\*\*  
 CREATED BY: FOR ASSY REV. DATE:  
 54 01 03.01.05  
 CHANGE DETAIL  
 54 01 03.01.05 RELEASED AT REV 54. RVC CAA AT REV

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

WBY # 147-08-01481  
WALLEY  
LOCATION WFO

BY LINE ITEM

EFFECTIVITY DATE 14-10-11  
RELEASED DATE 14-10-11  
COMP. PRINTED 14-10-11

DATE PULLED: \_\_\_\_\_

FULLED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	UOM	REQUIRED QUANTITY	CURR STATUS	REQD IN LOT #	INVLOC NUMBER	DOC	INVENTORY DETAIL	
								QUANTITY	LOT #
1	147-08-00084 TEM BOX BASE ORIGINAL QUANTITY	EA	1.00			SKCF2 100288		1.00	10-10-04 SLAC
				REVD	1.00 100288				
2	147-08-00085 TEM BOX LID ORIGINAL QUANTITY	EA	1.00			SKCF2 123297		0.00	10-10-14 SLAC
				REVD	1.00 123297				
3	147-08-01164 OCA GLASS, TEM ORIGINAL QUANTITY	EA	1.00			SKCF2		0.00	
				SO	1.00				
4	NAS1851ND4-6 HARDWARE ORIGINAL QUANTITY	EA	20.00			SKCF2 114831		0.00	08-23-04
				REVD	20.00 114831				
5	NAS1851ND4-6 SCREW ORIGINAL QUANTITY	EA	29.00			SKCF2 114832		0.00	10-01-04 LOT 115
				REVD	29.00 114832				08-27-04 IN ASSY
									04-13-08
6	NAS1851ND4-6 HARDWARE ORIGINAL QUANTITY	EA	1.00			SKCF2 104510		0.00	08-23-04
				REVD	1.00 104510				
7	147-08-01164 OCA GLASS, TEM ORIGINAL QUANTITY	EA	1.00			SKCF2		1.00	
				SO	1.00				





WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: IMPROVISED

WORK ORDER NUMBER: NEW

PAGE 1

P/N: LAT-DS-02430-01  
PARTIC. 1/3 1/4 1/4

WOM 110043  
REQ DATE 02-09-05  
REQ DATE BY 02-09-05  
SUS  
DOT 000000000

INST PB  
D/CY 10  
FACILITY 117330  
CUST# 15354

----- SERIAL NUMBER LISTING -----

N/A

APPROVAL  
PROD: YH 2/3/05  
QA: WJN 2-9-05

----- WORKMANSHIP -----

ANSI Z39-18 CLASS 1; OTHER:  
DEFAULT WORKMANSHIP UNLESS INDICATED OTHERWISE. ASU-2

LOC NO	LOT QTY	SERIAL NUMBERS	SEQ NO	REASON	APPRV ADATE
A	13	N/A	6		mm 3/1/05
B	4	N/A	6	To mail	mm 3/1/05
A <sup>2</sup>	2	N/A	6	To mail	mm 3/1/05

(include rev 05.19.04 min)

LINE DEPT MATR# OP# DESCRIPTION SET UP HOURS  
RUN... LINE MACH S/CLOT



203 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000  
CONFIC

\*\*\*\*\* CONFIGURATION DOCUMENTS \*\*\*\*\*  
 DOCUMENT NUMBER REV PE/PL OUTSTANDING EO'S  
 ASSY & P/N: LAT-DS-02810 53 NONE  
 REFERENCE ASSY/PL LAT-DS-72388 FOR RTV APPLICATION RDT  
 TEST SEE: N/A  
 ASSY AID: N/A  
 CUSTOMER NAME: SLAC  
 \*\*\*\*\* BUILD DOCUMENTS \*\*\*\*\*  
 USE... TRAVELER AND DRAWING  
 \*REV'D/APP'D BY: GH (DATE: 02.09.05)

ESD SENSITIVE

DATE QTY. REMARKS STATUS

2-9-05

*[Signature]*



WORK CELL: 4 MIXED

INTUNTER: NEW

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

7PNS IAT DC-2081-01  
W JV, UASLC, TFS 1/4 1/4R

WOB 112043  
REQ DATE 02-05-05  
DEL DATE 02-01-05  
SQ# 01000000000000000000  
P#0

UNIT PR  
QTY 10  
FRULLC# 112043  
C#14

PAGE 1

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



3 210 00 CCA/BLACK BOX ASSY AREA  
CUT WIRE, STRIP WIRE,  
CRIMP PIN CONTACTS,  
TIN LEADS. 0.0000 3.0000 0.0100

\*\*\*\*\* THIS LEAD ASSY USES TWISTED PAIR (RED/WHITE) WIRE \*\*\*\*\*  
\* CRIMP TEST SETUP - OTC-2081.

CUT 5 PIECES OF WIRE 6' TO 8' LONG, FOR PULL TESTS  
USE 3 Pcs EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.

\* STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY

USE ~~SCHEMATIC~~ PNEUMATIC WIRE STRIPPER SET UP WITH  
24 AWG STRIP BLADES, A STRIP LENGTH OF 1/8" (1.25"),  
AND LEAVES THE INSULATION FLUG IN PLACE.

*LEAD ASSY SAMPLE #4900*  
*3/16/05*

\* PRE-ASSY CRIMP TEST...

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

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

\* ASSEMBLY ACTIVITY...

- 1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
- 2) STRIP THE INSULATION LEAVING THE SMD, 1/8" (1.25").
- 3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
  - \* CUT 10 PAIRS TO 9-1/2" (4 50mm) LONG
- 4) STRIP SECOND END USING THERMAL TWEEDERS, 1/8".
- 5) TIN SECOND END BY SOLDER TIE. CLEAN WITH ALCOHOL.
- 6) PUT INSULATION SMD AND CRIMP CONTACT (200) ONTO LEAD.  
USE M03200/2-01 CRIMPER W/ M0320-2-09 TURRET/LOCATOR.

*7/10 1000*



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

\* POST-ASSY CRIMP TEST...

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

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

DATE	QTY	REMARKS	STATUS
2/15/05	4	4 set of 10	Pm1970
3/8/05	1	1 set of 10 (Rework)	Cvi1920
3/17/05		3 set of 10	Inv, Dm, mm, -10?
3-16-05-4 - set of 10			INV, 193
3/16/05 - 4 sets of 10 strip only			

WORK UNIT: 4 MIXED

CUSTOMER: 5107

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NPN

PN# 1AT-05-02830-01  
MAY, 1984 CPS 1/1 PWR

WOT 112043  
PPO DATE 02-09-05  
REL DATE 02-01-05  
PC# 000000000  
POM

COST #  
QTY 12  
PROJECT# 811300  
CPTS# 15355

PAGE 4

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



1 290 00 QUALITY ASSISTANT'S AREA  
PFE: 0128-10 ARMY 80

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

DATE(S) 29547

DATE QTY REMARKS STATUS  
2/22/05 40 30 OK

3/8/05 10 Restripped ok OK



5 210 00 OCA/BLACK BOX ARMY AREA  
INSERT WIRES AND CONTACTS TO CONNECTOR

- INSERT TERMINATED WIRES TO CONNECTOR IN POSITIONS 1-30.

WIRE PAIR	CLR	PINS
PAIR #1	WHT	1
PAIR #2	RED	2
PAIR #3	WHT	3
PAIR #4	RED	4
PAIR #5	WHT	5
PAIR #6	RED	6
PAIR #7	WHT	7
PAIR #8	RED	8
PAIR #9	WHT	9
PAIR #10	RED	10

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

• ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR

DATE QTY REMARKS STATUS  
3.8.05 1 complete 1.6 #1941  
3.9.05 2 complete 1.6 #1941

WORK CELL: 1 MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

W# 1AT-DS-02330-01  
CABLE, TPE 1/P TMS

W# 112043  
REC DATE 03-09-05  
REL DATE 03-03-05  
SC#  
PO# 000006800

CUST #  
QTY 19  
PROJECT# 917320  
CUST# 15355

PAGE 5

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



0 210 00 QUALITY ASSURANCE AREA 1.0000 0.0000 1.0000  
MPE: SLAC-0 ASSY 06

*Clear Defect Report #2454  
for 2 wires*

*ME/PM 2-25-05*

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

DEFECT:

DATE: 3/8/05 QTY: 1 REMARKS: \_\_\_\_\_

STATUS: RH.285

DATE: 3/9/05 QTY: 3 REMARKS: \_\_\_\_\_  
DATE: 2/14/05 QTY: 2 REMARKS: \_\_\_\_\_

3-14-05 22 input circuit will be used long th.



0 210 00 CCA/BLACK BOX ASSY AREA 0.0000 1.0000 0.0000  
LOC WIRES AT CONNECTOR

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

DATE: 3-16-05 PCH: \_\_\_\_\_ EXP. DATE: 7-10-2005 *air cured overnight.*

*ME 3-17-05*

DATE: \_\_\_\_\_ START: \_\_\_\_\_ STOP: \_\_\_\_\_  
DATE: 3-16-05 QTY: 2 REMARKS: \_\_\_\_\_

STATUS: ME/PM 1202

WTRK 0710 4 MIXED

WTRK 0710 4 MIXED

TYPE PRODUCTION

WORK ORDER TRAVELLER - NEW

7/ENS IAT DS-02310-01  
CABLE, TDS I/P PWD

WCR 112049  
REC DATE 09-03-05  
MIL DATE 12-01-05  
P# 8800048801

UNIT OF  
MATERIAL  
PROJECT # 117300  
10100

DATE

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



8 200 00 QUALITY ASSURANCE AREA W CRP 1 0000 01 0000  
LFE SLUR-D ASSY 7

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

DEFECT(S) \_\_\_\_\_

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

DATE	QTY	REMARKS	STATUS
2/17/05	2		



ASSEMBLY # : LAT DR C2830-01  
QTY: 19  
LOCATION: W02

D: LINE ITEM

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

PULLED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN LOT #	LOT INVLOC NUMBER	INVENTORY DETAIL		
							LOT QUANTITY	LOT DATE	SIN BINLOC QUANTITY
1	<del>206500-1</del> CONN. 311740-1P-B-15 ORIGINAL QUANTITY: 19	EA	1.00	RSVD	19.00	SKCP2 FN-1	3.00		

The following parts have been defined as alternates for 206500-1:  
Line 3: 311740-1P-B-15 1 PER  
Partial quantity replacements are allowed

*S/B LAT-D 3-05330*  
*10712 114944*  
*19*

2	M22759/11-24-2/S WIRE, 24AWG RED/WHIT ORIGINAL QUANTITY: 5700.00	IN	300.00	RSVD	5700.00	115300 FN-2	11997.00	10-31-04	
---	--	----	--------	------	---------	-------------	----------	----------	--

3	204370-8 PIN, CRIMP ORIGINAL QUANTITY: 350.00	EA	20.00	RSVD	350.00	114706 FN-1	401.00	09-23-04	IN ASSY
---	---	----	-------	------	--------	-------------	--------	----------	---------

The following parts have been defined as alternates for 204370-8:  
Line 3: 204370-8 1 PER  
Partial quantity replacements are allowed

4	D05-1104 ADHESIVE ORIGINAL QUANTITY: 19.00	OR	1.00	RSVD	19.00	SKCP2 FN-1	3.00		
---	--	----	------	------	-------	------------	------	--	--

REQUIREMENT SHOWS ON LAT DR 112041  
APPLY HERE.  
PULLED.



Assy

## CRIMP TENSILE STRENGTH LAT-DS-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	<b>POST - PROD</b>
CRIMP OPERATOR NAME/EMP #:	Martina Villa/174	TEST DATE
CONTACT PN:	204370-8	3-16-05
WIRE PN:	M33159/11-01-2/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M33530/12-01 (GTC-1012)	M33530
DIE/LOCATOR PN (GTC Tool #):	M33530/12-01 (GTC-1831)	WORK ORDER NO.
SELECTOR VALUE:	3	Martina Villa
TEST EQUIP # (Last CAL date):	( )	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

### OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	17.6	17.5	17.4
PASS/FAIL (circle test result)	<b>(PASS)</b> FAIL	<b>(PASS)</b> FAIL	<b>(PASS)</b> FAIL
	Type of Separation Observed		
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)	✓	✓	✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			

SPECIAL INSTRUCTIONS (as reqd):

Assy #

# CRIMP TENSILE STRENGTH

LAT-DS-02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<b>PRE - PROD</b>	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa 1942	TEST DATE
CONTACT PN:	204310-8	5-14-05
WIRE PN:	M33759/11-24-319	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22500A01 (GTC-A101)	Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22500A01 (GTC-488)	WORK ORDER NO.
SELECTOR VALUE:	3	112043
TEST EQUIP # (Last CAL date):		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

# DEFECT RECORD REPORT

ID: 29547

PART NUMBER: LAT-OS-02830-01

INSPECTION TYPE: CRIMPING

O/E SOLDIER: 20

WORK ORDER: 112943

INSPECTION LEVEL: 1

O/E ASSEMBLY: 30

SALES ORDER: F17303

INSPECTOR: VANDEVER

DATE: 2/22/2005


QUANTITY: 40 RW QTY: 8

CUSTOMER: SLAC

WREN CODE: 0

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PINNOTES
NA	2	1970	A316	4-MIXED	CUTS OR NICKS	WIRES	Twisted wires Red/White
NA	5	1970	A355	4-MIXED	IMPROPER CABLE LENGTH	WIRES	Twisted wires Red/White

*Emilio*

3/8/05 

# GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

<p><b>NCMR NUMBER</b> <input style="width: 50px;" type="text" value="2305"/></p> <p><b>DATE</b> <input style="width: 50px;" type="text" value="4/14/2005"/></p> <p><b>CUSTOMER</b> <input style="width: 100px;" type="text" value="SLAC"/></p> <p><b>CUSTOMER CONTACT</b> <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p><b>VENDOR</b> <input style="width: 100px;" type="text"/></p> <p><b>PART NUMBER</b> <input style="width: 100px;" type="text" value="LAT-DS-02338"/></p> <p><b>LOT QUANTITY</b> <input style="width: 50px;" type="text" value="19"/></p> <p><b>SALES ORDER</b> <input style="width: 100px;" type="text" value="F17300"/></p> <p><b>PURCHASE ORDER</b> <input style="width: 100px;" type="text" value="48800"/></p> <p><b>LOT NUMBER</b> <input style="width: 150px;" type="text"/></p> <p><b>WORK ORDER</b> <input style="width: 100px;" type="text" value="112064"/></p> <p><b>INITIATOR</b> <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p><b>ASSIGNED TO</b> <input style="width: 100px;" type="text" value="SLAC"/></p> <p><b>DATE REQUIRED</b> <input style="width: 50px;" type="text" value="4/25/2005"/></p> <p><b>ASSIGNED TO SIGNATURE</b> <input style="width: 150px;" type="text" value="SLAC"/></p>	<p><b>CUSTOMER RETURN</b> <input type="checkbox"/></p> <p><b>RMA NUMBER</b> <input style="width: 50px;" type="text"/></p> <p><b>QUANTITY RETURNED</b> <input style="width: 50px;" type="text"/></p> <p><b>VENDOR DEFECT</b> <input type="checkbox"/></p> <p><b>QUANTITY REJECTED</b> <input style="width: 50px;" type="text"/></p> <p><b>PRODUCTION DEFECT</b> <input checked="" type="checkbox"/></p> <p><b>QUANTITY REJECTED</b> <input style="width: 50px;" type="text" value="19"/></p> <p><b>REWORK REQUIRED</b> <input checked="" type="checkbox"/></p> <p><b>QUANTITY REWORKED</b> <input style="width: 50px;" type="text" value="19"/></p> <p><b>PURCHASING DEFECT</b> <input type="checkbox"/></p> <p><b>PURCHASING QUANTITY REJECTED</b> <input style="width: 50px;" type="text"/></p>
--	--

**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 1792.

**NOTES**

Per MRB Telecon held 4-15-2005.  
MRB concluded to remove and replace mosfets (P/N IRHNU597034SCS, DLO 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-tinned prior to surface mount. Grainy, discolored solder joints indicated excessive gold contamination that could result in embrittling the joint.

**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**

**Q/A APPROVAL**

***GENERAL TECHNOLOGY CORPORATION  
NONCONFORMANCE MATERIAL/RMA REPORT***

*Q/A APPROVAL DATE*

4/15/2005

*COST OF QUALITY*

# GENERAL TECHNOLOGY CORPORATION NONCONFORMANCE MATERIAL/RMA REPORT

<i>NCMR NUMBER</i>	<input type="text" value="2323"/>	<i>CUSTOMER RETURN</i>	<input type="checkbox"/>
<i>DATE</i>	<input type="text" value="4/25/2005"/>	<i>RMA NUMBER</i>	<input type="text"/>
<i>CUSTOMER</i>	<input type="text" value="SLAC"/>	<i>QUANTITY RETURNED</i>	<input type="text"/>
<i>CUSTOMER CONTACT</i>	<input type="text" value="Pat Lujan"/>	<i>VENDOR DEFECT</i>	<input type="checkbox"/>
<i>VENDOR</i>	<input type="text"/>	<i>QUANTITY REJECTED</i>	<input type="text"/>
<i>PART NUMBER</i>	<input type="text" value="LAT-DS-02388"/>	<i>PRODUCTION DEFECT</i>	<input type="checkbox"/>
<i>LOT QUANTITY</i>	<input type="text" value="19"/>	<i>QUANTITY REJECTED</i>	<input type="text"/>
<i>SALES ORDER</i>	<input type="text" value="F17300"/>	<i>REWORK REQUIRED</i>	<input checked="" type="checkbox"/>
<i>PURCHASE ORDER</i>	<input type="text" value="46800"/>	<i>QUANTITY REWORKED</i>	<input type="text" value="19"/>
<i>LOT NUMBER</i>	<input type="text" value="All TPS"/>	<i>PURCHASING DEFECT</i>	<input type="checkbox"/>
<i>WORK ORDER</i>	<input type="text"/>	<i>PURCHASING QUANTITY REJECTED</i>	<input type="text"/>
<i>INITIATOR</i>	<input type="text" value="Pat Lujan"/>		
<i>ASSIGNED TO</i>	<input type="text" value="Tarkington"/>		
<i>DATE REQUIRED</i>	<input type="text" value="4/28/2005"/>		
<i>ASSIGNED TO SIGNATURE</i>	<input type="text"/>		
<i>DISCREPANCY</i>	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.		
<i>NOTES</i>	During Qual + 2 the material used to stake the cable tie heads did not adhere properly. The requirement was deleted from the drawing.		
<i>CAUSE</i>	Tool used to install cable ties was not adjusted properly.		
<i>CORRECTIVE ACTION</i>	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.		
<i>FINAL DISPOSITION</i>	<input type="text" value="REWORK"/>		
<i>Q/A APPROVAL</i>	<input type="text" value="E-mails on file"/>		
<i>Q/A APPROVAL DATE</i>	<input type="text" value="4/15/2005"/>		
<i>COST OF QUALITY</i>	<input type="text"/>		

# GENERAL TECHNOLOGY CORPORATION

## NONCONFORMANCE MATERIAL/RMA REPORT

<p><b>NCMR NUMBER</b> <input style="width: 100px;" type="text" value="2284"/></p> <p><b>DATE</b> <input style="width: 100px;" type="text" value="4/11/2006"/></p> <p><b>CUSTOMER</b> <input style="width: 100px;" type="text" value="SLAC"/></p> <p><b>CUSTOMER CONTACT</b> <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p><b>VENDOR</b> <input style="width: 100px;" type="text"/></p> <p><b>PART NUMBER</b> <input style="width: 100px;" type="text" value="LAT-DS-02388"/></p> <p><b>LOT QUANTITY</b> <input style="width: 100px;" type="text" value="8"/></p> <p><b>SALES ORDER</b> <input style="width: 100px;" type="text" value="F17300"/></p> <p><b>PURCHASE ORDER</b> <input style="width: 100px;" type="text" value="48800"/></p> <p><b>LOT NUMBER</b> <input style="width: 100px;" type="text"/></p> <p><b>WORK ORDER</b> <input style="width: 100px;" type="text" value="112064"/></p> <p><b>INITIATOR</b> <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p><b>ASSIGNED TO</b> <input style="width: 100px;" type="text" value="SLAC"/></p> <p><b>DATE REQUIRED</b> <input style="width: 100px;" type="text"/></p> <p><b>ASSIGNED TO SIGNATURE</b> <input style="width: 100px;" type="text" value="Pat Lujan"/></p> <p><b>DISCREPANCY</b></p>	<p><b>CUSTOMER RETURN</b> <input type="checkbox"/></p> <p><b>RMA NUMBER</b> <input style="width: 100px;" type="text"/></p> <p><b>QUANTITY RETURNED</b> <input style="width: 100px;" type="text"/></p> <p><b>VENDOR DEFECT</b> <input type="checkbox"/></p> <p><b>QUANTITY REJECTED</b> <input style="width: 100px;" type="text"/></p> <p><b>PRODUCTION DEFECT</b> <input checked="" type="checkbox"/></p> <p><b>QUANTITY REJECTED</b> <input style="width: 100px;" type="text" value="8"/></p> <p><b>REWORK REQUIRED</b> <input type="checkbox"/></p> <p><b>QUANTITY REWORKED</b> <input style="width: 100px;" type="text" value="0"/></p> <p><b>PURCHASING DEFECT</b> <input type="checkbox"/></p> <p><b>PURCHASING QUANTITY REJECTED</b> <input style="width: 100px;" type="text"/></p>
<p><b>DISCREPANCY</b> 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</p>	
<p><b>NOTES</b> 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 ins on the open ends of the sleeving. Photos of typical staking of the capacitors were reviewed and MRB agreed that the existing staking along with conformal overcoat would provide sufficient mechanical staking of the Ta capacitors to the CCA. Rework is not required for any staked Ta capacitors on TPS CCAs.</p>	
<p><b>CAUSE</b> Misinterpretation of Staking Specification, J-STD-001CS Para. 10.3 c</p>	
<p><b>CORRECTIVE ACTION</b> All personnel involved in this operation to receive additional training. This includes the SLAC on site QA representative.  SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.</p>	
<p><b>FINAL DISPOSITION</b> <input style="width: 100px;" type="text" value="USE AS IS"/></p>	
<p><b>Q/A APPROVAL</b> <input style="width: 100px;" type="text" value="E-mails on file"/></p>	
<p><b>Q/A APPROVAL DATE</b> <input style="width: 100px;" type="text" value="4/15/2005"/></p>	

**GENERAL TECHNOLOGY CORPORATION  
NONCONFORMANCE MATERIAL/RMA REPORT**

*COST OF QUALITY*



# DEFECT RECORD REPORT

ID: 29949  
 PART NUMBER: LAT-DS-01G45  
 WORK ORDER: 112018  
 SALES ORDER: F17290  
 INSPECTION TYPE: -8F-SOLDER-INSPECTOR post reflow  
 INSPECTION LEVEL: 1  
 INSPECTOR: HUBBARD  
 OFF SOLDER: 4163  
 OFF ASSEMBLY: 5203  
 DATE: 2/22/2005  
 WEEK CODE: 10

QUANTITY: 1 RWQTY: 1  
 CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
118	1	1858	A342		> 25% OVERHANG ✓	U25 ✓	1 SIDE
118	1	1858	A385		SOAP RESIDUE	U60 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U55 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U48 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U57 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U59 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U58 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U56 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U5 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U3 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U5 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U61 ✓	
118	1	1858	S402		INSUFFICIENT SOLDER	U54 ✓	
118	2	1858	S402		INSUFFICIENT SOLDER	U10 ✓	PIN 5,8
118	1	1858	S402		INSUFFICIENT SOLDER	U19 ✓	PIN 5
118	1	1858	S402		INSUFFICIENT SOLDER	U9 ✓	PIN 5

1757  
 2/22/05

21105

# DEFECT RECORD REPORT

ID: 29549  
PART NUMBER: LAT-DS-01645  
WORK ORDER: 112018  
SALES ORDER: F17200  
INSPECTION TYPE: 1ST SOLDER INSPECTIO  
INSPECTION LEVEL: 1  
INSPECTOR: HUBBARD  
OFF SOLDER: 4163  
OFF ASSEMBLY: 5203  
DATE: 2/22/2005  
QUANTITY: 1 RW QTY: 1  
WEEK CODE: 10  
CUSTOMER: SLAC

SERIAL NO	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
116	1	1858	S-14		SOLDER BALLS		

*Handwritten:* 3/17/05

*Handwritten:* 4/1/05

# DEFECT RECORD REPORT

ID: 30511  
 PART NUMBER: LAT DS-01645      INSPECTION TYPE: HARDWARE      OFE SOLDER: 600  
 WORK ORDER: 112018      INSPECTION LEVEL: 1      OFE ASSEMBLY: 55  
 SALES ORDER: F17200      INSPECTOR: EMARTINEZ      DATE: 4/5/2005  
 QUANTITY: 1      RW QTY: 1      WEEK CODE: 16  
 CUSTOMER: SLAC

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
118	1	692	S407		NON SOLDERED CONNECTION	JS1 ✓	ALL PINS
118	1	692	S413		BRIDGING	JT4 ✓	
118	1	692	S413		BRIDGING	JT1 ✓	
118	1	692	S413		BRIDGING	JC2 ✓	
118	1	692	S413		BRIDGING	JT0 ✓	

13037  
 4/5/05  
 4/6/05




## REWORK TRAVELER

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

ASSEMBLY NAME: TEM CCA	QTY: 1
------------------------	--------

Original signed editions reserved for copying							
APPROVAL	G. POZZI	G. HEFKIN	K. BERGTHOLDT	P. LUJAN			
PREPARED BY	DATE	ENGINEER	DATE	QA MGR	DATE	SLAC SOURCE	DATE
<i>G. Pozzi</i>	<i>4-18-05</i>	<i>[Signature]</i>	<i>4/18/05</i>	<i>[Signature]</i>	<i>4/18/05</i>	<i>[Signature]</i>	<i>4-17-05</i>
		SVP		E-L			

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT-118 GLAT-1769			
2	<b>OPERATOR: INSPECT FOR CLEANLINESS AND DEBRIS</b> USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. <b>NO SOLDER BALLS ALLOWED.</b>	<i>[Signature]</i> 1337	<i>4/22/05</i>	<i>1.5</i>
3	AQUEOUS CLEAN USING RECIPE #3	<i>[Signature]</i> 1337	<i>4/22/05</i>	<i>5</i>
4	INSPECTION: INSPECT FOR BOARD CLEANLINESS. NO SOLDER BALLS ALLOWED.	<i>[Signature]</i> 1337	<i>4/24/05</i>	<i>1.</i>
5	SOURCE INSPECTION		<i>4/2/05</i>	



WESTEK

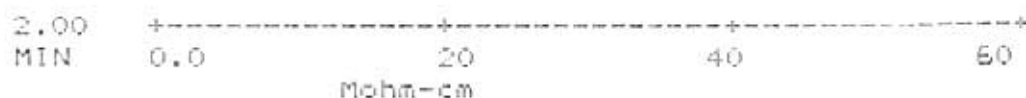
Operator :DON  
06/27/05  
13:12:03

Test Type : Auto  
Test name : 'Manual Test'  
Board # GT118 has P A S S E D

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

Initial Resistivity : 60.00 Mohm-cm  
NaCl Equivalence (Final) : 0.58 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 60.00 Mohm-cm  
NaCl Removed : 0.00 ug/sq in

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

DATE: 12/23/05 01:44  
JOB: GLAT, TRV

NO# 112018  
REQ DATE 12-23-05  
REQ DATE 12-23-05  
JOB  
JOB  
JOB

CUST P#  
QTY  
PROJECT# 117200  
CUST# 15358

PAGE 1

SERIAL NUMBER: 6-T118 GLAT 1769  
APPROVAL: 2/23/05  
PROD: OK  
QA: OK

MEMBERSHIP:.....  
IPC/EIA-3-STD-301C CLASS 3; WITH "35" SPACE SUPPLEMENT  
SLAC OAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE  
OF ANY STEP OF THE TRAVELER/WORK ORDER. SLAC OAR MAY  
INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

PLN 02.02.05.....

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



1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000  
CONFIG

\*\*\*\*\* CONFIGURATION DOCUMENTS \*\*\*\*\*  
DOCUMENT NUMBER REV ED/PL OUTSTANDING BO'S  
ASSY DWG: IAT-DS-01444 27 NONE 6/23/05  
SMT PL: IAT-DS-03030 14 NONE  
CUST SCW: IAT-DS-03030 12 NONE  
ASSY AID: IAT-DS-01040 \*\* (RELEASED PER EC 2083)  
CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)  
BUILT DOCUMENTS  
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS  
\*REV'D/PREP'D BY: GK (DATE/DATE: 02.02.05)\*

Table with columns: DATE, QTY, REMARKS, STATUS. Includes handwritten entry: 2/23/05, OK



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

- PROCESS PER CMA 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.

Table with columns: DATE, QTY, REMARKS, STATUS. Includes handwritten entry: 2/23/05, OK



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER: NEW

1/204 LAT-DS-01644  
CAA, CAAST, TSP

NO# 112018  
SHEET# 02-21-05  
DATE 12-21-04  
PC# 0000048799

CUST PN  
PROJECT# 1  
CUST# 15000

PAGE 2

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



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

PROCESS PER CAA STEP 3

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



4 210 00 SMT ASSY LINE PRE-SMT OVEN BAKE 0.0000 0.0000 0.0000

PROCESS PER CAA STEP 4

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

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



5 213 00 SMT ASSY LINE SOLDER PASTE STENCIL ONLY TOP SIDE QDTS PARTS 5.4300 5.4300 5.4300

PROCESS PER CAA STEP 5

RECORD SOLDER PASTE DATA BELOW:  
SIC PO# 21710 EXPIRATION DATE 7/14/05

DATE	QTY	REMARKS	STATUS
2/1/05		solder paste	OK 1060

- 1068 - 1065
- 1082 - 1067
- 1083 - 1062
- 1304 - 1061
- 1361 - 1062
- 1371 - 1061
- 135 - 1060
- 136 - 1065

Handwritten notes: "All done with box 2/1/05"

Sum = 10519  
Avg = 10064  
Range = 1007

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 3

WIP/ENR LAT-US-01646  
CDA: SLAST: TEM

WOB 112018  
RDD DATE 12-09-03  
REL DATE 12-21-04  
SCH  
PDR 0000048799

CUST Pa  
PROJECT 1  
COSTS 117200  
COSTS 113000

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



1 213 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-19 US: 1772 US: 1691 US: 1783 US: 1810  
 FN-23 US4: 1625 US5: 1612 US6: 1626 US7: 1623  
 US8: 1694 US9: 1735 US0: 1624 US1: 1618

DATE	QTY	REMARKS	STATUS
<u>2-10-05</u>	<u>1</u>	<u>7041</u>	<u>PF</u>



2 213 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
<u>2-10-05</u>	<u>1</u>		<u>PF</u>



3 213 00 SMT ASSY LINE  
ACCESS CLEAN 0.1000 0.1000 0.1000

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

DATE	QTY	REMARKS	STATUS
<u>2-10-05</u>	<u>1</u>		<u>PF</u>



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER: RAVELLER : NEW

PAGE 4

EN# CAT-05-01046  
MCA: GLAST. TEM

WIP 112018  
REQ DATE 02-03-05  
REL DATE 10-21-04  
JOB 0000048799

CUST P#  
CUST C#  
PROJECT# 1112110  
CUST# 10000

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



9 000 00 QUALITY ASSURANCE AREA  
CPE: SLDR-4163 ASSY 6003 0.4400 0.4400 0.4400

\* PROCESS PER CAA STEP 9

\*\* RECORD DEFECT RECORD NUMBER(S) BELOW

ERR# 8:

DATE: 2/23/05 QTY: 1 REMARKS: 118



10 000 00 CCA/BLACK BOX ASSY AREA  
PRE-WAVE BAKEOUT 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 10

BAKE DATE: 4/4/05 START: 7:15 STOP: 9:15

DATE: 4/1/05 QTY: 1 STATUS: 1337



11 000 00 CCA/BLACK BOX ASSY AREA  
THRU-HOLE INSTALL 2.4000 2.4000 2.4000

\* PROCESS PER CAA STEP 11

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

TOOL: GTC-A-972 CAL DUE DATE 8/05 (A96 B-4 GTC-E-944)

DATE: 7/4/05 QTY: 1 STATUS: 1337



12 000 00 WAVEFORMER  
WAVE GOLDEN 0.5000 0.5000 0.5000

\* PROCESS PER CAA STEP 12

DATE: 4-9-05 QTY: 1 STATUS: K

WIRA CELL: 4-NIXED

CUSTOMER: SLAC

\* PRODUCTION

WORK ORDER TRAVELLER - NEW

PLS/TNS LAT-DS-01646  
CAA: GLASS, TEM

WOB 112119  
ADD DATE 02-09-05  
REL DATE 12-21-04  
SOS  
POS 0000018799

CUST P#  
CITY  
PROJECT# P17200  
CUST# 15356

PAGE 5

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



13 215 00 WAVESOLDER ACQUEOUS CLEAN 0.2000 0.3000 0.2000

\* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
4/4/05	1		1262



14 200 00 QUALITY ASSURANCE AREA  
OP# 5129-600 ASSY.45 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 14.

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

DEFECT(S) 30511

DATE	QTY	REMARKS	STATUS
4/5/05	1	2051m	1337



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

\* PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
4/5/05	1		1337



16 210 00 CCA/BLACK BOX ASSY AREA  
ACQUOUS/DC CLEAN 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
4/9/05	1		1337

WIRK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE: 6

V. EN# LAT-06-01040  
CCA, GLAST. TEM

WC# 110018  
REQ DATE 04-29-04  
REL DATE 12-01-04  
SQ#  
PQ# 0000048799

CUST #  
PROJECT# 1  
CUST# 15155

LINE DEPT MACH# QP# DESCRIPTION..... SET-UP RUN HOURS



17 190 00 QUALITY ASSURANCE AREA  
OFF: SLD# 301 ASSY-1 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 17.  
\*\* RECORD DEFECT RECORD REPORT NUMBER S1 BELOW.

DEF#181

DATE	QTY	REMARKS	STATUS
4/5/05	1		PM



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

\* PROCESS PER CAA STEP 18.  
ADHESIVE FC# 30131 EXP. DATE: 10/1/05  
FPGA SERIAL #'S: USE 40343 C62 ~~50185~~ 50185

DATE	QTY	REMARKS	STATUS
5/11/05	1		PM



19 300 00 CCA/BLACK BOX ASSY AREA  
SOLDER FPGA LEADS 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 19.  
DATE: 5/11/05 QTY: 1 REMARKS: S/M 118 STATUS: M 1337



20 210 00 CCA/BLACK BOX ASSY AREA  
POST WAVE ASSY-DI, DA, DS 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 20.  
DATE: 5/11/05 QTY: 1 REMARKS: STATUS: M 1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

ASSY/TNS: LAT-28-01646  
CCA, GLAST, TEM

WOP# 112015  
REL DATE 02-03-05  
REL DATE 12-21-04  
SOP#  
PO# 0000018799

CUST PR  
PROJECT# 1  
CUST# F17200  
15355

PAGE 7

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

21 210 00 CCA/BLACK BOX ASSY AREA  
POST WAVE ASSY-K1, K2 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 21.

DATE QTY REMARKS STATUS  
5/11/05 1 S/N 118 me 1337

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

\* PROCESS PER CAA STEP 22.

DATE QTY REMARKS STATUS  
5/11/05 1  me 1357

23 000 00 QUALITY ASSURANCE AREA  
CPE 5108-217 ASSY-216 0.0000 0.0000 0.0000

\* PROCESS PER CAA STEP 23.

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

DRR#(S):

DATE QTY REMARKS STATUS  
5/12/05 1  me

24 008 00 SFEA TEST  
SFEA TEST 0.9100 0.9100 0.9100

\* PROCESS PER CAA STEP 24.

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

TDR#(S):

DATE QTY REMARKS STATUS  
5/12/05 1 GT118 me Pass

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER: TRAVELLER - NEW

PLANS: LAT-US-01646  
CCA, SLAST, TEM

WOB: 212018  
REL. DATE: 02-03-05  
REL. DATE: 12-21-04  
SUS:  
PO# 0000048799

CUST. Q#  
PROJECT: P17800  
CUST# 10390

PAGE 8

42 118

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



LINE	DEPT	MACHINE	OF#	DESCRIPTION	HOURS	SET-UP	RUN	LINE-MACH	ST-LOT
25	110	00		CCA/BLACK BOX ASSY AREA INSTALL CONNECTOR-SOLDER SLDR CONN J1-ROW 1>CHECK	11.8500	14.8500	13.8500		
				SLDR-CONN J1-ROW 2>CHECK					
				SLDR-CONN J1-ROW 3>CHECK					
				SLDR-CONN J1-ROW 4>CHECK					

*Handwritten notes:*  
 1-1337 5/12/05 5/12/05  
 2-1337 5/12/05 5/12/05  
 3-1337 5/12/05 5/13/05  
 4-1337 5/13/05

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

TOOL # S.T.C. E-944 CAL DUE DATE 8/05

DATE	QTY	REMARKS	STATUS
5/13/05	1		1337



LINE	DEPT	MACHINE	OF#	DESCRIPTION	HOURS	SET-UP	RUN	LINE-MACH	ST-LOT
25	200	00		QUALITY ASSURANCE AREA OPE. SLDR-376 ASSY-419	5.5800	5.5800	5.5800		

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

DAR# S1

DATE	QTY	REMARKS	STATUS
5/13/05	1		1337

WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

7. P/N: LAD-08-01046  
C.A. CAST, TEM

W# 112014  
REQ DATE 03-03-05  
REQ DATE 12-31-01  
SO#  
PO# 0000048705

CUST #  
PROJECT# 1  
CUST# 18184

PAGE 8

3/N 118

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



27 290 00 COATING/POTTING AREA 0.6000 0.6000 0.6000  
POTTING/STAVING

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

RTV DOW 3104; GTC PO# 31695 EXPIRATION DATE 8-21-05  
 ADHESY 3151; GTC PO# 31403 EXPIRATION DATE 7-31-07

(150) ADHESIVE MIX RECORD (RECORD PER BATCH)

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

RESIN WGT. 3.1g

HARDENER WGT. 1.0g

CURE DATE: 5-16-05 START 11:30 STOP 1:30

DATE	QTY	REMARKS	STATUS
<u>5-16-05</u>	<u>1</u>		<u>PO, 946</u>



28 290 00 QUALITY ASSURANCE AREA 0.1000 0.1000 0.1000  
STD: SLDG 0 ASSEY-104

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

DRR#(S):

DATE	QTY	REMARKS	STATUS
<u>5/17/05</u>	<u>1</u>		<u>946</u>



29 290 00 SOURCE INSPECTION 0.0000 0.0000 0.0000  
WIP - SLAC CAA INSPECTION  
BEFORE SHIPMENT TO SLAC.

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

DATE	QTY	REMARKS	STATUS
<u>5/17/05</u>	<u>1</u>	<u>GLAT: 769</u>	



WORK CELL: 4-MIXED

CUSTOMER: SLAV

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

LINE STATUS DISCS  
LAST TEM

WO# 112018  
REQ DATE 02-03-05  
REL DATE 02-11-04  
S#  
PCR 0000048759

CUST P#  
CITY  
PROJECT# P17200  
CUST# 13158

PAGE 10

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



30 155 00 PACKAGING/SHIPPING INSP 3.0000 0.0000 0.0000  
PACK & SHIP COA

\* PROCESS PER CAA STEP 30

DATE	QTY	REMARKS	STATUS
06/03/05	1		KYP(1288)



31 250 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000  
COA RECEIVING INSPECTION

\* PROCESS PER CAA STEP 31.

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

DRP#(S)

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

DATE	QTY	REMARKS	STATUS
06/03/05	1		

GT118

25 Tela Drop (Both)  
Tripped

50 Tela Drop (one)  
Tripped



32 250 00 SOURCE INSPECTION 0.0000 0.0000 0.0000  
GLAT CAR PRE-COAT INSP.  
MANDATORY INSPECTION POINT

\* PROCESS PER CAA STEP 32

DATE	QTY	REMARKS	STATUS
06/29/05	1	GLAT 1769	

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 11

10007/EN1 LAT-DS-01045  
CCA BLAST TEM

WOB# 112048  
REQ DATE 12-02-05  
REL DATE 12-21-04  
CC#  
PC# 0000048799

CUST ID#  
CUST QTY  
PROJECT# P01200  
CUST# 10385

004 DEPT MATH# 00# DESCRIPTION..... HOURS  
SET-UP RIN... LINE-MACH ST-LOT.



33 211 00 CCA/BLACK BOX ASSY AREA  
ALCOHOL/DI CLEAN AND TEST  
THE CLEANLINESS OF CCA. 0.0000 0.0000 0.0000

- PROCESS PER CAA STEP 13.
- WEAR PROTECTIVE GLOVES WHEN HANDLING CCA •••
- ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
6/29/05	1	Washed.	mm-168



34 252 00 QUALITY ASSURANCE AREA  
CPE #103 3 ASSY-11 0.0000 0.0000 0.0000

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

DEF# (S) \_\_\_\_\_

DATE	QTY	REMARKS	STATUS
6/29/05	1		



35 250 00 COATING/POTTING AREA  
MASK & CONFORMAL COATING 0.6000 0.6000 0.0000

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

RECORD BAKE DATE-TIME START/STOP BELOW:  
BAKE DATE: 6/29/05 START: 3:35pm STOP: 5:35pm

DATE	QTY	REMARKS	STATUS
6/29/05	1	MASK/BAKE	SAB



WORK CELL: 6-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

WPN# LAT-05-01444  
GLAST, TEM

WOB# 110019  
MFG DATE 02-22-05  
MFG DATE 12-01-04  
PC#  
PO# 3000049709

COST #  
QTY 1  
PROJECT# F17200  
CUST# 18186

PAGE 17

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



36 050 00 COATING/POTTING AREA 0.0000 0.0000 0.0000  
SPRAY CONFORMAL COAT

\* PROCESS PER CAA STEP 36.

CONFORMAL COAT MATERIAL PO#: 37174

EXP. DATE: 12-15-05

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

DATE: 6-29-05 START: 6:00 PM STOP: 6:30 AM 6/30/05

DATE	QTY	REMARKS	STATUS
<u>6-29-05</u>	<u>1</u>	<u>BA Coat</u>	<u>W</u>



37 050 00 COATING/POTTING AREA 0.0000 0.0000 0.0000  
TOUR/UP / CURE-OVEN BAKE

\* PROCESS PER CAA STEP 37.

FIRST BAKE DATE: 6/30/05 START: 6:30 AM STOP: 8:30 AM

FINISH BAKE DATE: 6/30/05 START: 10:03am STOP: 12:03pm

DATE	QTY	REMARKS	STATUS
<u>6/30/05</u>	<u>1</u>	<u>TU coat</u>	<u>SPG</u>
		<u>TU coat</u>	<u>(N)</u>

WORK BILL: MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

W/P# LAT-DS-01640  
CAA: BLAST. TEM

NO# 112018  
REQ DATE 02-03-05  
REQ DATE 12-21-04  
SQ#  
POP 0000048799

CUST #  
QTY 1  
PROJECT # 713000  
CUSE# 10300

PAGE 13

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



38 290 00 QUALITY ASSURANCE AREA 0 5000 0 5000 0 5000  
CPB, SLDR-0 ASSY-05

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

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

- ... MATERIAL CERTIFICATIONS...
- ... SPEA TEST DEFECT REPORTS...
- ... INSPECTION DEFECT REPORTS...
- ... NVN PERFORMANCE REPORTS...
- FORM CFC-129 (DOC REV RECORD)...
- NO LOT# REPORT...
- DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
7/1/05	1		



39 280 00 SOURCE INSPECTION 0 0000 0 0000 0 0000  
CS1

- \* PROCESS PER CAA STEP 39.
- NOTE: NEXT ASSEMBLY IS LAT-DS-01681.
- \*\* PLEASE RETURN INSPECTED CCA TO CA UPON COMPLETION \*\*

DATE	QTY	REMARKS	STATUS
7.5.05	1	MATERIAL MIX	
		RECORD INCOMPLETE	



7.5.05

WORK ORDER : 112018

( NEW )

WORK ORDER PICK LIST

PAGE: 1

ASSEMBLY # : LAT-DS-01666  
QUANTITY : 1  
LOCATION : W02

BY LINE ITEM

EFFECTIVITY DATE: 11-09-00  
REVISION: 1  
DATE PROVIDED: 08-06-06

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	REQUIREMENTS		INVLOC	LOT NUMBER	INVENTORY DETAIL			
					QUANTITY	RESV IN LOT #			QUANTITY	LOT DATE	BINLOC	BIN QUANTITY
1	LAT-DS-01666 FMS TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	120299	SKCF2 FN-D1	120299	6.00	09-11-07		1 ✓
2	LAT-DS-01024 PLATE, CONN. TEM ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114784	SKCF2 FN-D6	114784	6.00	06-19-07		1 ✓
3	LAT-DS-01031 FIN. CONNECTION TEM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114785	SKCF2 FN-D7	114785	14.00	06-19-07		2 ✓
4	NAS1352N02-8 SCREW ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114786	SKCF2 FN-D3	114786	234.00	09-23-04		26 ✓
5	LAT-DS-23592 STANDOFF ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114787	SKCF2 FN-D5	114787	14.00	09-23-04		2 ✓
6	MS1957-13 SCREW, PANH, 4-40 X ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	93945	SKCF2 FN-D10	93945	267.00	11-24-03	C3F	2 ✓
							FN-D10	114788	78.00	09-23-04		
	NAS620-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00	RSVD	52.00	114789	SKCF2 FN-D2	114789	426.00	09-23-04		52 ✓
8	MS14571-2 SCREW ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114790	SKCF2 FN-D8	114790	36.00	09-23-04		4 ✓
9	NAS671-C2 WRT ORIGINAL QUANTITY...	EA	26.00	RSVD	26.00	114791	SKCF2 FN-D4	114791	209.00	09-23-04		26 ✓
10	LAT-DS-01666 ASSY, CASSE CONN. TEM ORIGINAL QUANTITY...	EA	1.00	BO	1.00		SKCF2 FN-D9/25	01	0.00			0
11	0181 ADHESIVE, NY901, 40Z KIT ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D11		0.00			0
12	CV-1246 KV, NUS14 TECH ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D12		0.00			0
13	0781 CONFORMAL COATING URETHANE ORIGINAL QUANTITY...	OZ	1.00	BO	1.00		SKCF2 FN-D13		0.00			0

EMBL # : LAC-DS-01546  
QUANTITY : 1  
LOCATION : W02

BY LINE ITEM

EFFECTIVITY ENTR: 02-03-05  
EFFECTIVE DATE : 11-21-04  
DATE PRINTED : 04-04-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	REQUIREMENTS STAT QUANTITY	RECV IN LOT #	INVOIC NUMBER	LOC NUMBER	INVENTORY DETAIL QUANTITY	LOC DATE	BINLOC	QUANTITY
14	DGS-1104 ADHESIVE ORIGINAL QUANTITY...	OS	1.00	RSVD	1.00		SKCF2 FN-D14		0.00			<u>0-0</u>
15	CKR11FH10SKDB CAPACITOR ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120284	SKCF2 FN-D14	120284	0.00	12-16-04		<u>36</u>
16	CKR11FH17SKDB CAPACITOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	120285	SKCF2 FN-D14	120285	1976.00	12-16-04		<u>2</u>
17	CKR11FH173AKJ8 CAPACITOR ORIGINAL QUANTITY...	EA	53.00	RSVD	53.00	114799	SKCF2	114799	1009.00	09-23-04		<u>53</u>
								114942	333.00	09-27-04		
18	CKR09FC476KDB CAPACITOR ORIGINAL QUANTITY...	EA	49.00	RSVD	49.00	114600	SKCF2	114600	0.00	09-23-04		<u>49</u>
19	CKR11BK4710KJ8 CAPACITOR ORIGINAL QUANTITY...	EA	249.00	RSVD	249.00	114601	SKCF2	114601	2016.00	09-23-04		<u>249</u>
20	101025610051YHM CAPACITOR ORIGINAL QUANTITY...	EA	16.00	RSVD	16.00	114602	SKCF2	114602	976.00	09-23-04		<u>16</u>
21	MCR-1021-1B1 CONNECTOR ORIGINAL QUANTITY...	EA	9.00	RSVD	9.00	114603	SKCF2	114603	73.00	09-23-04		<u>9</u>
22	MCR-1021-1B4 CONNECTOR ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114604	SKCF2	114604	22.00	09-23-04		<u>4</u>
23	2252-8759406XA CONNECTOR ORIGINAL QUANTITY...	EA	3.00	RSVD	3.00	114605	SKCF2	114605	24.00	09-23-04		<u>3</u>
24	2252-8759406XA CONNECTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114606	SKCF2	114606	4.00	09-23-04		<u>2</u>
								114609	282.00	09-17-04		

WORK ORDER : 112018

( NEW )

WORK ORDER STOCK LIST

PAGE: 3

WEEKLY # : LAT-DS-01846  
LOCATION: W02

BY LINE ITEM

EFFECTIVITY DATE: 01-01-05  
REVISION DATE: 01-01-05  
DATE PRINTED: 01-04-05

DATE PULLED:

PULLED BY:

LINE	PART NUMBER AND DESCRIPTION	UNIT	REQUIRED QUANTITY	CURR STATUS	REQD QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	QUANTITY	LOT DATE	BIN	QUANTITY
25	5MD080 FUSE, RAYCHEM/POLYSWICK ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114807	SKCF2 FN-12	114807 F2 F3 F6 F8 PULLED:	52.00	09-23-04	4	4
26	5MD075 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114826	SKCF2 FN-15	114826 F1 F2 F3 F5 PULLED:	52.00	09-24-04	4	4
27	MAX149AEVA IC ORIGINAL QUANTITY...	EA	36.00	RSVD	36.00	120286	SKCF2 FN-18	120286 U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 U46 U47 U48 U49 U50 PULLED:	253.00	12-16-04	30	36
28	MAX921A888 IC ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114810	SKCF2 FN-16	114810 U1 U2 PULLED:	21.00	09-23-04	2	2
29	LAT-DS-03895 IC ORIGINAL QUANTITY...	EA	1.00	BO	1.00		SKCF2 FN-17	U45 PULLED:	0.00		0	0
30	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00	BO	1.00		SKCF2 FN-18	U42 PULLED:	0.00		0	0
31	LAT-DS-01814 IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114813	SKCF2 FN-19	U3 U4 U5 U6 PULLED:	34.00	09-23-04	4	4
32	5862R9568101VXC IC ORIGINAL QUANTITY...	EA	1.00	RSVD	1.00	114814	SKCF2 FN-20	U63 PULLED:	20.00	09-23-04	CRY-10	1
33	5862R956213QYC IC ORIGINAL QUANTITY...	EA	5.00	BO	5.00		SKCF2 FN-22	U46 U47 U48 U53 U64 PULLED:	0.00		0	0
34	LAT-DS-01812 IC ORIGINAL QUANTITY...	EA	8.00	RSVD	8.00	114816	SKCF2 FN-23	U54 U55 U56 U57 U58 U59 U60 U61 PULLED:	58.00	09-23-04	8	8
35	8170SC3X000 TAPEA FILM JUMPER ORIGINAL QUANTITY...	EA	151.00	RSVD	151.00	114817	SKCF2 FN-24	U62 U63 U64 U65 U66 U67 U68 U69 U70 U71 U72 U73 U74 U75 U76 U77 U78 U79 U80 U81 U82 U83 U84 U85 U86 U87 U88 U89 U90 U91 U92 U93 U94 U95 U96 U97 U98 U99 U100 PULLED:	151.00	09-23-04	151	151
36	M53342K0681203A RESISTOR,CHIP,100K 1% OH ORIGINAL QUANTITY...	EA	55.00	RSVD	55.00	114818	SKCF2 FN-25	U101 U102 U103 U104 U105 U106 U107 U108 U109 U110 U111 U112 U113 U114 U115 U116 U117 U118 U119 U120 U121 U122 U123 U124 U125 U126 U127 U128 U129 U130 U131 U132 U133 U134 U135 U136 U137 U138 U139 U140 U141 U142 U143 U144 U145 U146 U147 U148 U149 U150 PULLED:	55.00	09-23-04	55	55

ASSEMBLY # 142-00 01646  
QUANTITY 1  
LOCATION: W02

BY LINE ITEM

DEFECTIVITY DATE: 11-03-06  
DATE BAGGED DATE: 11-04-06  
DATE PRINTED: 11-04-06

DATE FILLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LT#	PART NUMBER AND DESCRIPTION	EA	REQUIRED QTY	CURR STAT	REQUIREMENTS	RESV IN LOT #	INVLOC NUMBER	LOT	INVENTORY DETAIL		
									QTY	LOT DATE	BINLOC
37	M55342K0681P00R RESISTOR, CHIP, 100W, 1K OHM ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114819	SKCPS FN-29	114819 R174 R175 PULLED:	666.00	09-23-04	
			2.00					114917 R174 R175 PULLED:	317.00	09-27-04	2 ✓
38	M55342K06810P0R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114820	SKCPS FN-32	114820 R169 R168 PULLED:	102.00	09-23-04	
			2.00					114913 R169 R168 PULLED:	212.00	09-27-04	2 ✓
39	M55342K06822D1R RESISTOR ORIGINAL QUANTITY...	EA	205.00	RSVD	205.00	114821	SKCPS FN-32	114821 R169 R168 PULLED:	2722.00	09-23-04	205 ✓
			205.00					114913 R169 R168 PULLED:	400.00	09-27-04	
40	M55342K06819P0R RESISTOR, CHIP, 100W, 100 OHM ORIGINAL QUANTITY...	EA	60.00	RSVD	60.00	114822	SKCPS FN-32	114822 R169 R168 PULLED:	3778.00	09-23-04	60 ✓
			60.00					114913 R169 R168 PULLED:	4.00	09-27-04	
41	M55342K0681000R RESISTOR, CHIP, 100W, 100K ORIGINAL QUANTITY...	EA	50.00	RSVD	50.00	114823	SKCPS FN-32	114823 R169 R168 PULLED:	3778.00	09-23-04	50 ✓
			50.00					114913 R169 R168 PULLED:	4.00	09-27-04	
42	M55342K0682000R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00	114824	SKCPS FN-32	114824 R169 R168 PULLED:	160.00	09-23-04	2 ✓
43	3311919-100000 THERMISTOR, 50K ORIGINAL QUANTITY...	EA	3.00	RSVD	3.00	114825	SKCPS FN-41	114825 R174 R175 PULLED:	14.00	10-20-04	
			3.00					114913 R174 R175 PULLED:	48.00	09-27-04	2 ✓
	5502R55001000YC IC ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	120289	SKCPS FN-11	120289 USED (1) PULLED:	36.00	10-16-04	4 ✓
45	M55342W06849D9A RESISTOR, CHIP, 100W, 49.9K ORIGINAL QUANTITY...	EA	4.00	RSVD	4.00	114827	SKCPS FN-31	114827 R648 R649 R650 R651 PULLED:	201.00	09-23-04	4 ✓

WORK ORDER . 112018

(NEW)

WORK ORDER PICK LIST

PAGE: 5

WBLY # : LAT-D9-01646  
UNITS: 1  
LOCATION: M02

BY LINE ITEM

EFFECTIVITY DATE: 02-03-06  
RELEASE DATE: 02-01-06  
DATE PRINTED: 02-04-06

DATE PULLED: \_\_\_\_\_

PULLED BY: \_\_\_\_\_

LINE #	PART NUMBER AND DESCRIPTION	UM	REQUIREMENTS			INVOIC NUMBER	INVENTORY DETAIL						
			REQUIRED QUANTITY	CLERK STATUS	RESV IN LOT #		LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC	BIN QUANTITY		
46	M55343K09B1F00R RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114828	SKCF2 114826 FN-27 R391 R392 PULLED:	64.00	09-23-04					
			2.00			114965 FN-27 R391 R392 PULLED:	229.00	09-27-04					
47	M55343K14B1E11A RESISTOR ORIGINAL QUANTITY...	EA	2.00	RSVD	2.00 114829	SKCF2 114829 FN-20 R642 R643 PULLED:	216.00	09-23-04					
			2.00			114993 FN-20 R642 R643 PULLED:	232.00	09-27-04					
48	M55343K09B1C00R RESISTOR,CHIP,.100K,10K Q ORIGINAL QUANTITY ...	EA	23.00	RSVD	23.00 114830	SKCF2 114830 FN-21 R3 K145 R146 R147 R148 R151 R157 R158 R171 R172 R177 R640 R641 R478 R749 R750 R751 R752 PULLED: 114937 FN-21 R3 K145 R146 R147 R148 R151 R157 R158 R171 R172 R177 R640 R641 R478 R749 R750 R751 R752 PULLED: 9-224 FN-21 R3 K145 R146 R147 R148 R151 R157 R158 R171 R172 R177 R640 R641 R478 R749 R750 R751 R752 PULLED:	339.00	09-23-04	DFPC				
			23.00				657.00	09-27-04					
							58.00	09-24-03					



General Technology Corporation

# CONFORMAL COATING DATA SHEET

CCA P/N: LAT-DS-01646 G-LAT 1769 G-T118

W.O. #: 112018

CC Tech: JN (Initial / Employee #)

Date: 6-29-05

## MIX RATIOS

Coating TYPE: ARATHANE Mfr: HUNTSMAN

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

MIX RATIOS: 18 5750 A 100 5750 B (PBW)

AIR CURE: START AT 6:00 PM (6/29/05) END AT 6:30 AM (6/30/05)

OVEN CURE: 6/30/05 START AT 6:30 AM END AT 8:30 AM *of*



WORK CELL: 4-MIXED

CUSTOMER: SLAC

TYPE: PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 1

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

WO# 112026  
REQ DATE 02-04-05  
REL DATE 01-31-05  
SQ#  
PO# 0000046799

CUST PA  
QTY 19  
PROJECT# 107200  
CUST# 10388

SERIAL NUMBER LISTING:-----

APPROVAL  
PROD *PH 2/4/05*  
QA *MM 2.4.05*

*N/A*

WORKMANSHIP:-----

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

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

(wbrdr rev 05.19.04 gln)-----

LT4 DEPT MACHS OPR DESCRIPTION..... HOURS  
SET-UP RUN... LINE-MACH ST-LOT



100 00 CONFIG RECORD/RITTING 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 \*\*\*\*\*  
TRAVELER AND DRAWING  
(REV'D)/PREP'D BY: CH (DATE)DATE: 02.02.05

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

*Zif*

*MM*



WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PN# LAT-DG-02588  
ASSY, CABLE, CONN, TSM

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

CUST P#  
QTY 19  
PROJECT# F17200  
COST# 15355

PAGE 2

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS		
					SET-UP	RUN	LINE-MACH ST-LOT
0	201	00		STOCKROOM/KITTING AREA KIT PARTS/MATERIALS	0.0000	0.0000	0.0000



0	201	00		STOCKROOM/KITTING AREA KIT PARTS/MATERIALS	0.0000	0.0000	0.0000
---	-----	----	--	---	--------	--------	--------

\* WIRE, CRIMP PINS, AND CONNECTOR.

DATE	QTY	REMARKS	STATUS
01/31/05	19		OK

WORK CELL: 4-MIXED CUSTOMER: SLAC  
 TYPE: PRODUCTION WORK ORDER: TRAVELLER - NEW  
 A. #N: LAT-DS-02588 WOB 112026  
 ASSY. CABLE, CONN. TEM REL. DATE 02-04-05 CUST #  
 REL. DATE 01-31-05 QTY 19  
 SO# PROJECT# P17200  
 PO# 0000048799 CUST# 1535K

PAGE 3

Star 1-4  
 m 1337  
 4/26/05  
 move to start AS 3A  
 sketch

LINE DEPT MACH# OF# DESCRIPTION SET-UP MIN... HOUR S LING-MACH ST-LOT



3 220 00 CABLE/HARNESS ASSY AREA 0.1000 0.0000 0.0000

CRIMP TEST SETUP - GTC-2081.  
 CUT 5 PIECES OF WIRE @ 6" TO 9" LONG, FOR PULL TESTS.  
 USE 3 PCS EACH FOR PRE-CRIMP AND POST-CRIMP TESTS.  
 STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY...  
 USE SCHEMATIC PNEUMATIC WIRE STRIPPER SET UP WITH  
 24 AWG STRIP GAUGE. A STRIP LENGTH OF 1/4" IS  
 AND LEAVES THE INSULATION SLUG IN PLACE.  
 PRE-ASSY CRIMP TEST...  
 STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE  
 SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,  
 CONTACT ENGINEERING.  
 CRIMP TEST: BY status DATE: 2/19/05 STATUS Pass  
 (R. Morrison 1970)  
 ASSEMBLY ACTIVITY...  
 1 FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.  
 2 STRIP THE INSULATION LEAVING THE SLUG, (1/4" SLUG)  
 3 CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.  
 CUT 5 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM #89  
 CUT 5 PIECES TO 1" (1.000") LONG. USE PROGRAM #90  
 4 STRIP SECOND END USING THERMAL TWEEZERS, 3/16"  
 5 TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.  
 6 FULL INSULATION SLUG AND CRIMP CONTACT (22DI) ONTO LEAD.  
 USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.  
 POST-ASSY CRIMP TEST...  
 STRIP AND CRIMP THREE CONTACTS USING TEST WIRE. TEST THE  
 SAMPLE CRIMPS PER GTC-2081. RECORD RESULTS. IF FAIL,  
 CONTACT ENGINEERING.  
 CRIMP TEST: BY 2 En 1970 DATE: 2/19/05 STATUS Pass

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



DATE	QTY	REMARKS	STATUS
2/19/05	4000	8 7/8 (39) & 1 1/8 (39) 4 each	EM1970
3.10.05	8	1 1/8 (350) 1" (200) 1 5/16 (175)	H.G. #1941
3.11.05	8	1 1/8 strips	H.G. #1941

①②③④ - performed using S. J.  
 3/16 (19)  
 ON EUBANKS  
 GTC-A-463  
 142 -mm.  
 H.G. #1941 2-8-05  
 3.11.05 & 5/16 strips H.G. #1941  
 3.11.05 crimps 1 5/16 H.G. #1941  
 3-10-05 MV 1942 1" strip  
 3.12.05 turning H.G. #1941 1 5/16  
 3.14.05 crimping 1" (46) H.G. #1941  
 3.14.05 crimping 1 1/8 (46) H.G. #1941  
 3.14.05 crimping 1 1/8 (235) H.G. #1941  
 3.14.05 crimping 1" (226) H.G. #1941

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

See page  
 3A - continued  
 JEM

WORK CELL: 4-MIXED

CUSTOMER: SLAC

PRODUCTION

WORK ORDER TRAVELLER - NEW

PAGE 4

ASSY/PK# LAT-DS 03588  
ASSY, CABLE, CONN, TEM

WO# 112026  
RDO DATE 02-04-05  
REL. DATE 01-31-05  
SOP  
POR 0000046759

CUST P#  
QTY 19  
PROJECT# 417200  
CUST# 15356

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



4 280 00 QUALITY ASSURANCE AREA  
OFF. GLDR-76 ASSY-312 0.0000 0.0000 0.0000

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

DRAW(S)

DATE	QTY	REMARKS	STATUS
2/17/05	4	7/8" 39 pieces	(67C)
	4	1/8" 39 pieces	(67C)
3/4/05		(Redone)	(67C)



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

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

*strips, crimps & things* (67C) 3/4/05  
*Wires into 21 Through 59*  
 3-22-05

DATE	QTY	REMARKS	STATUS
2/17/05	4		Rm 1970
3-15-05	2		H.G.#1941
3-21-05	1		H.G.#1941

3-21-05 3 completed H.G.#1941



6 290 00 QUALITY ASSURANCE AREA  
OFF. GLDR-3 ASSY-76 0.0000 0.0000 0.0000

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

DRAW(S)

ROUTE FOR WO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01645.

DATE	QTY	REMARKS	STATUS
2/17/05	4	AMP206504-1 Conn	(67C)
		marks step 5.	(67C)
3-15-05	2	AMP206504-1 Conn, Jack inserts	(67C)
3/21-05	1		(67C)
3/22/05	3	Conn	(67C)



0750

## CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHODA MARMON / 1970	TEST DATE
CONTACT PN:	204370-8	2/09/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A-830)	RHODA MARMON 1970
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MPF 2001 (6-17-04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

## OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	11.8	12.9	12.9
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	<input type="radio"/> FAIL	<input type="radio"/> PASS	<input type="radio"/> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			
SPECIAL INSTRUCTIONS (as reqd):			

1500

# CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

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

## OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.2	13.4	13.5
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}		✓ RN	✓ RN
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):

0830 **CRIMP TENSILE STRENGTH** LAT-05-02588

MIL-STD-1344; METHOD 2003.1

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

**OBSERVATIONS/VALUES**

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	12.8	13.5	13.3
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input type="radio"/> PASS <input type="radio"/> FAIL

Type of Separation Observed

	No. 1	No. 2	No. 3
SLIP (pull out) {a}	✓	✓	✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✗	✗	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):



1355

# CRIMP TENSILE STRENGTH

LAT-05-02588

MIL-STD-1344; METHOD 2003.1

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

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

1:10 PM.

# CRIMP TENSILE STRENGTH

Lat-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<b>PRE - PROD</b>	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#941	TEST DATE
CONTACT PN:	704370-8	2.28.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 1.520)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 1.531)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alphatron MPF200A ( <del>61124</del> ) 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)	<b>PASS</b> FAIL	<b>PASS</b> FAIL	<b>PASS</b> FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as reqd):



7:42 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 #:

Herbie Gray 127941

TEST DATE

33.05

CONTACT PN:

204370-8

WIRE PN:

M22759 / 11-24-9

TESTED BY

Herbie Gray

CRIMP TOOL PN (GTC Tool #):

M22520 / 2-01 (GTC-830)

DIE/LOCATOR PN (GTC Tool #):

M22520 / 2-01 (GTC-831)

WORK ORDER NO.

112026

SELECTOR VALUE:

3

TEST EQUIP # (Last CAL date):

Aluminum MPF 200A #1805 16-17-04

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

## OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.5

13.6

13.4

PASS/FAIL (circle test result)

PASS

FAIL

PASS

FAIL

PASS

FAIL

Type of Separation Observed

SLIP (pull out) (a)

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

OTHER (define) (f)

SPECIAL INSTRUCTIONS (as reqd):

9:50 A.M.

## CRIMP TENSILE STRENGTH Lot DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):

PRE - PROD

POST - PROD

CRIMP OPERATOR NAME/EMP #: Herbie Gray #1941

TEST DATE

CONTACT PN: 204370-8

3.505

WIRE PN: M22759 / 11-24-9

TESTED BY

CRIMP TOOL PN (GTC Tool #): M22520 / 2-01 (GTC 1102)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #): M22920 / 2-09 (GTC 4.831)

WORK ORDER NO.

SELECTOR VALUE: 3

112026

TEST EQUIP # (Last CAL date): Aldatron MPF 200A (6.17.04)

PULL RATE: 1" +/- .25" per min.

OTHER PULL RATE:

## OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.4	13.2	13.4
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL	<input checked="" type="radio"/> PASS <input type="radio"/> FAIL
Type of Separation Observed			
SLIP (pull out) (a)			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓	✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

8:50 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# 850)

Herbie Gray

DIE/LOCATOR PN (GTC Tool #):

M22520/2-09 (GTC# 851)

WORK ORDER NO.

SELECTOR VALUE:

3

112026

TEST EQUIP # (Last CAL date):

Alphatron MPF700A (1.18.05)

PULL RATE:

1" +/- .25" per min.

OTHER PULL RATE:

## OBSERVATIONS/VALUES

SAMPLE NUMBER:

No. 1

No. 2

No. 3

MINIMUM TENSILE STRENGTH:

10

10

10

MEASURED TENSILE STRENGTH:

13.0

12.8

13.0

PASS/FAIL (circle test result)

PASS

FAIL

PASS

FAIL

PASS

FAIL

## Type of Separation Observed

SLIP (pull out) (a)

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

OTHER (define) (f)

SPECIAL INSTRUCTIONS (as reqd):

# CRIMP TENSILE STRENGTH Lot 15-02583

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	<input checked="" type="radio"/> PRE <input type="radio"/> PROD	POST - PROD						
CRIMP OPERATOR NAME/EMP #:	Herbe Gray 1#1941	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TEST DATE</td><td>3/4/05</td></tr> <tr><td>TESTED BY</td><td>Herbe Gray</td></tr> <tr><td>WORK ORDER NO.</td><td>112026</td></tr> </table>	TEST DATE	3/4/05	TESTED BY	Herbe Gray	WORK ORDER NO.	112026
TEST DATE	3/4/05							
TESTED BY	Herbe Gray							
WORK ORDER NO.	112026							
CONTACT PN:	204370-8							
WIRE PN:	M22759 / 11-24-9							
CRIMP TOOL PN (GTC Tool #):	M22759 / 2-01 (GTC #102)							
DIE/LOCATOR PN (GTC Tool #):	M22759 / 7-09 (GTC #831)							
SELECTOR VALUE:	3							
TEST EQUIP # (Last CAL date):	MPT-2007 (6/7/04)							
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:						

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):

# CRIMP TENSILE STRENGTH

CAT-05-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	<b>POST - PROD</b>
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 #1941	TEST DATE
CONTACT PN:	204370-8	3.21.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC #102)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC #836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alpation MPT-200A (6.17.04)	
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:

## OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as reqd):



Assy LAT-DS-02588

CRIMP TENSILE STRENGTH			
MIL-STD-1344; METHOD 2003.1			
TEST TYPE (circle one):	PRE - PROD		POST - PROD
CRIMP OPERATOR NAME/EMP #:	Dora	11337	TEST DATE
CONTACT PN:	204370-8 (G08PI)		4/28/05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01	(GTC-#610)	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 <sup>Disc</sup> 6/17/05 (GTC 958)		
PULL RATE:	1" +/- .25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES						
SAMPLE NUMBER:	No. 1		No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10.0		10.0		10.0	
MEASURED TENSILE STRENGTH:	13.7		13.5		13.4	
PASS/FAIL (circle test result)	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL
	Check Failure Mode Observed					
SLIP (pull out) (a)	13.7 ✓				✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)						
CONTACT BROKEN IN CRIMP AREA (some or all) (c)						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)			✓			
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)						
OTHER (define) (f)						
SPECIAL INSTRUCTIONS (as reqd):						

Assy LAT-D5-02588

### CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	<b>POST - PROD</b>
CRIMP OPERATOR NAME/EMP #:	Nora 11337	TEST DATE
CONTACT PN:	204370-8 (608PI)	4/28/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A610)	Nora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC )	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	6/17/04 <sup>Due</sup> 6/17/05 (GTC FS11)	
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)	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
	FAIL	FAIL	FAIL
	Check Failure Mode Observed		
SLIP (pull out) (a)		✓	
CONDUCTOR BROKEN IN CRIMP AREA (some or all) (b)			✓
CONTACT BROKEN IN CRIMP AREA (some or all) (c)			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) (d)	✓		
CONTACT BROKEN OUTSIDE OF CRIMP AREA (e)			
OTHER (define) (f)			
SPECIAL INSTRUCTIONS (as reqd):			

PART#	DESC	QTY	FROM LOT#	FROM LOT
1210B563K251YHTM	CAPACITOR	16.00	114802	200475016
5962-875940GXA	IC, LM138VH-2.5, NSC	3.00	114805	9853448019
5962R9568101VXC	IC	1.00	114814	625706DA
5962R9852030YC	IC	5.00	123441	D7C 0408
5962R98651030YC	IC	4.00	120289	D7C 0407
GDR31BK472BKUS	CAPACITOR	249.00	114801	L0T 0422-10N
GDR33BK473AKUS	CAPACITOR	53.00	114799	L0T 0419B
GDR09FC476KDB	CAPACITOR	49.00	114800	L0T 0417
GDR11FH105KDB	CAPACITOR	36.00	120284	D7C 0426 L0T 0425A352
GDR11FH475KDB	CAPACITOR	2.00	120285	D7C 0430
H0705CPX000	THICK FILM JUMPER	151.00	114817	L0T 98107039
JANTXV1N41530R-1	DIODE	2.00	114806	L0T V-5869
LAT-DS-01026	PLATE, CONN, TEM	1.00	114784	NO LOT
LAT-DS-01031	PLN, CONNECTOR, TEM	2.00	114785	CONN ELASTE
LAT-DS-01649	PWB, TEM	1.00	120259	NO LOT
LAT-DS-02588	ASSY, CABLE, CONN, TEM	1.00	131521	CONN FIB
LAT-DS-03582	STANDOFF	2.00	114787	D7C 4904, 3441
LAT-TD-01812	IC	8.00	114816	NO LOT
LAT-TD-01814	IC	4.00	114813	FORMALE STANDOFF 4-40
M55342K06B100DR	RESISTOR, CHIP, 100M, 100 OH	60.00	114822	T310
M55342K06B100ER	RESISTOR, CHIP, 100M, 100K	50.00	114823	T310
M55342K06B10EOR	RESISTOR, CHIP, 100M, 10K O	23.00	114836	NO LOT
M55342K06B1E00R	RESISTOR, CHIP, 100M, 1K OH	55.00	114818	NO LOT
M55342K06B1F00R	RESISTOR, CHIP, 100M, 1M OHM	2.00	114819	NO LOT
M55342K06E200DR	RESISTOR	2.00	114824	NO LOT
M55342K06E22D1R	RESISTOR	205.00	114821	NO LOT
M55342K06E4909R	RESISTOR, CHIP, 100M, 49.9	4.00	114827	NO LOT
M55342K06E5R11R	RESISTOR	2.00	114829	NO LOT
M55342K09B10F0R	RESISTOR	2.00	114820	NO LOT
M55342K09B1F00R	RESISTOR	2.00	114828	NO LOT
MAX145AEUA	IC	36.00	120286	D7C 0410

MAX5121AEEB	IC	2.00	114810	ICP 0134
MCR-1051-1B1	CONNECTOR	9.00	114803	D.C 0404
MCR-1069-1B1	CONNECTOR	4.00	114804	D.C 0415
MS24671-2	SCREW	4.00	114790	76436
MS51957-13	SCREW, PHHD, 4-40 X .25	2.00	93945	
NAS1352N02-8	SCREW	26.00	114786	70494-2
NAS62D-C2	FLATWASHER	52.00	114789	M062504R
NAS671-C2	NUT	26.00	114791	50254
S311P18-09S7R6	THERMISTOR, 30R	2.00	114825	D.C 061188
SMD050	FUSE, RAYCHEM/POLYSWICH	4.00	114807	D.C 0348
SMD075	IC	4.00	114926	D.C 0332

WO. LOTS  
14-05

PAGE 2

PARTS ISSUED TO WO 112026

07-

PART#	DESC	QTY	FROM LOT#	FROM LOT
204370-8	PIR, CRIMP	1596.00	114796	LE887754
206504-1	AMP,IMITE	19.00	114794	00402
M22759/11-24-9	WIRT, 2AWG, SHITE	1938.00	115299	46190

NO. LOTS PAGE 3  
14-05

PARTS ISSUED TO WO 112043

07

PART#	DESC	QTY	FROM LOT#	FROM LOT
204370-8	PLN, CRIMP	380.00	114796	1838754
204370-8	PLN, CRIMP	500.00	129543	
LAT-DS-02R30	ASSY, CABLE, TFS 1/P PAR	19.00	114946	LOT 0414 / 0341
M22759/11-24-2/9	WTRG, 24AWG RED/WHITE	5700.00	115000	

PARTS ISSUED TO WO 112044

WO. LOTS: 14-05 PAGE 4

PART#	DESC.	QTY.	FROM LOT#	FROM LOT
60881	CONTACT (206071-1)	972.00	115021	LOT 04153
60881	CONTACT (206071-1)	510.00	125762	U/C 04153 LOT#
60881	CONTACT (206071-1)	400.00	128557	
14M91466	ASSY, CABLE, FEED O/P PAR	18.00	114907	LOT D/C 0413
14M-D3-02831	WIRE, 24AWG, WHITE	16340.00	115299	40190
M02759/11-24-9				

NOTES.....

PART#	DESC.	QTY	FROM LOT#	FROM LOT
1210B563K251YHTM	CAPACITOR	12.00	114802	200415016
32763-31	INDUCTOR	2.00	114961	SLAC LOT#0412
32786-31	INDUCTOR	12.00	114964	SLAC LOT#0413
596218771002VXA	IC	2.00	114962	SLAC LOT#030409A
596209582602VXC	IC	6.00	120302	328A885, 239A88V
596209663501VXC	IC	5.00	120301	D/C 91
AREF461	IC FILTER	1.00	114959	D/C 0339
CDR04BX104AKUS	CAP, .10F, 50V	32.00	114935	SLAC LOT#0404
CDR31BP100BKUS	CAPACITOR	14.00	114938	SLAC LOT#04058G
CDR31BP101BKUS	CAPACITOR	4.00	114944	SLAC LOT#03498M
CDR31BP470BKUS	CAPACITOR	4.00	115090	SLAC LOT#042089
CDR31BX102BKUS	CAPACITOR	2.00	114936	SLAC LOT#04208L
CDR32BX103BKUS	CAP 0.01UF 100V 10%	22.00	114937	SLAC LOT#04138M
CDR33BX223BKUS	CAPACITOR	4.00	114940	SLAC LOT#0405VC
CDR33BX473AKUS	CAPACITOR	7.00	114799	LOT 0419B
CMR09FC476KDR	CAPACITOR	89.00	114943	SLAC LOT#0418
CMR09HC106KCB	CAPACITOR	4.00	114939	SLAC LOT#0409
D55342K07B40ZEK	RES, 402K, 1/4W, 1%	1.00	84272	
D55342K07B511EK	RESISTOR	10.00	115002	SLAC LOT#TR107816
H0705CPX000	THICK FILM JUMPER	15.00	114817	LOT TR107039
IRHMJ597034	TRANSISTOR	3.00	114966	SLAC LOT#ED321662
JANTXV1N41106UR-1	DIODE	4.00	114953	SLAC LOT#V-6966
JANTXV1N4153UR-1	DIODE	8.00	114949	SLAC LOT#V-5869
JANTXV1N4489US	DIODE	1.00	129757	
JANTXV1N4494US	DIODE	1.00	114955	SLAC LOT#Z301190
JANTXV1N5806US	DIODE 1N5806US	8.00	114950	SLAC LOT#H56300886
JANTXV1N6485US	DIODE	1.00	114951	D/C 0308
0349	DIODE			SLAC LOT#V 7503BC-
JANTXV1N6487US	TRANSISTOR NPN	6.00	114952	SLAC LOT#V-7528
JANTXV2N2222AUB	TRANSISTOR	21.00	120303	D/C 0414
JANTXV2N2907AUB	TRANSISTOR	2.00	115007	SLAC D/C#0330
JANTXV2M3439	TRANSISTOR	4.00	115006	LOT 0243
LAT-DS-02389	PM, ELAST, TPS	1.00	120305	D/C 1304, 4804
LAT-DS-02465	HEAT SINK, TPS	4.00	115014	SLAC LOT# N/A



LAT-DS-02830-01	ASSY, CABLE, TPS 1/P PAR	1.00	130034	
LAT-DS-02831-01	ASSY, CABLE, TPS O/P PAR	1.00	130035	NO LOT # REV 50
LAT-DS-03598	SUPPORT, CABLE HARNESS	2.00	115020	PO 51100
LAT-DS-03598	SUPPORT, CABLE HARNESS	2.00	125327	
LAT-DS-04101	HEATSINK	2.00	120304	NO LOT OR D/C
222/59/11-24-9	WRLD, 24AWG, WHITE	1.00	46190	
M39006/22-0967H	CAPACITOR	30.00	114941	LOT D/C 0414CZ *
0414CM	RESISTOR	4.00	114970	SLAC LOT#R821501
M55342K06B1E21R	RESISTOR	6.00	114979	SLAC LOT#R821601
M55342H06B2B21R	RESISTOR, CHIP, 100W, 100 OH	4.00	104427	
M55342K06B10GDR	RESISTOR, CHIP, .100W, 100K	13.00	114823	LOT #R107045
M55342K06B10GER	RESISTOR, CHIP, .100W, 10K	21.00	114830	LOT #R107038 (250)
M55342K06B10E0R	RESISTOR, CHIP, .100W, 10K	3.00	114989	LOT #R108589 (452)
M55342K06B13E0R	RESISTOR	1.00	4305	SLAC LOT#R107832
M55342K06B15E0R	RESISTOR, CHIP, .100W, 15K	2.00	114991	SLAC LOT#R107629
M55342K06B18E2R	RESISTOR	6.00	91633	
M55342K06B1E00R	RESISTOR, CHIP, .100W, 1R			

PART#	DESC.	QTY.	FROM LOT#	FROM LOT
M55342K06B1E21R	RESISTOR	3.00	114971	SLAC LOT#TR107623
M55342K06B1E37R	RESISTOR	4.00	114972	SLAC LOT#TR10811
M55342K06B1F00R	RESISTOR, CHIP, 100M, 1M OHM	6.00	114819	LOT TR107041
M55342K06B20K0R	RESISTOR, 20kohms	8.00	17105	
M55342K06B22E1R	RESISTOR	5.00	50530	
M55342K06B2E74R	RESISTOR	3.00	114980	SLAC LOT#TR109928
M55342K06B301DR	RESISTOR	1.00	50769	
M55342K06B33E2R	RESISTOR	1.00	114995	SLAC LOT#TR112401
M55342K06B49E9R	RESISTOR, 49.9kohms	6.00	83542	
M55342K06B4E75R	RESISTOR	2.00	91326	
M55342K06B549DR	RESISTOR	2.00	115003	SLAC LOT#TR111507
M55342K06B5E11R	RESISTOR	2.00	60670	
M55342K06B5E62R	RESISTOR	1.00	119010	
M55342K06B61E9R	RESISTOR	1.00	84266	
M55342K06B8E25R	RESISTOR	2.00	84080	
M55342K09B10D0R	RESISTOR	1.00	114986	SLAC LOT#TR109046
M55342K09B10F0R	RESISTOR	4.00	114820	LOT 107042
M55342K09B1F00R	RESISTOR	2.00	114828	LOT 109509
M55342K09B22D1R	RESISTOR	1.00	114994	SLAC LOT#TR107622
M55342K09B2E00R	RES, CHIP, 2.00K, 1%, 72M	1.00	115091	SLAC LOT#TR107617
M55342K09B4E99R	RESISTOR	2.00	114982	SLAC LOT#TR9044
MAX724ECK	IC	7.00	114961	LOT D/C 0342P5
NAS1149CN432R	WASHER	4.00	90129	
NAS1149CN632R	WASHER	19.00	115010	LOT A1205030
NAS1352N04-6	SCREW	4.00	114832	76123
NAS1352N06-6	SCREW	7.00	115011	LOT 77477
NAS671C4	NUT, HEX, SS, PASS, 4-40THRD	4.00	122091	
NAS671C6	NUT, #6, SM, PAT	19.00	114903	LOT D/C 15419237
RMR89SR200PR	RESISTOR	1.00	114966	LOT D/C 0329
RXF065	FUSE	2.00	114957	D/C 0412
RXF110	FUSE, POLYSMITOR	2.00	114958	LOT D/C 0300021
S311P18-09S7R6	THERMISTOR, 30K	2.00	115004	
SSR1040GTXV	DIODE	7.00	114948	SLAC LOT#0404

PART#.....	DESC.....	QTY.....	FROM LOT#.....	FROM LOT
LAT-DS-00554	TEM BOX BASE	1.00	123298	no d/c or lot#
LAT-DS-00555	TEM BOX LID	1.00	123297	NO D/C OR LOT#
LAT-DS-01646	CCA, GLAST, TEM	1.00	131756	
NAS1352M03LB4	HARDWARE	26.00	114831	ROB0504H
NAS1352M04-6	SCREW	29.00	114832	76123
NAS1352N3-8	HARDWARE	1.00	114833	74803

NOTES.....

NO. LOTS  
14-05

PAGE 9

PARTS ISSUED TO WO 113239

07

PART#.....  
NOTES.....

DESC.....

QTY.....

FROM LOT#.....

FROM LOT

LAP-DS-01487

SCREW, SKTHD CAP, 832X.62

40.00

120307

LOT 68402-1-1