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

S H I P P E R
SHIPPER NUMBER F17301.15
SALES ORDER NUMBER F17301
SHIP DATE 07/07/05
PAGE 1

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

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

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

CUSTOMERS PO: 0000053627 RESALE.NO:

LI#	ORDER/QTY	UM	PART/DESCRIPTION		UNITS/PKG	SHIP QTY	LOT NO
			Special Inspection is required.				
1.1	12	EA	LAT-DS-01643 ASSY, UNIT-TEM/TPS S/N: GT119 GLAT1846. QTY DUE...: 3	52	1.00	1	131915

HIP.VIA: UPSR
AYBILL#:

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.

Quality Assurance Signature/Stamp 7/7/05 Date

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

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT19 GLAT1846

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# 113238 ; S/N (above SN)

TPS Unit; LAT-DS-01482 WO# 113222 ; S/N GT122 GLAT1830

TPS CCA; LAT-DS-02388 WO# 112075 ; S/N GT122 GLAT1792

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# 113112 ; S/N GT111 GLAT1800

TEM CCA; LAT-DS-01646 WO# 112011 ; S/N GT111 GLAT176Z

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 / 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 - 51)

END-ITEM DATA PACKAGE – LAT-DS-01643; Serial Number: GT119 GLAT1846

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-02388/29633, 32275 LAT-DS-01646/29343, 30431, 32958)

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

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

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

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

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

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

Completed by: Cecilia Martinez **Date:** 7-7-05

GTC QA Acceptance: GTC TE QA **Date:** 7-7-05

SLAC QAR Acceptance: LAT TO QA **Date:** 7.18.05

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

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

WO# 113238
REQ DATE 05-06-05
REL.DATE 04-21-05
SO# F17301
PO# 0000053627

CUST P#
QTY 1
PROJECT# F17301
CUST# 15356

=SERIAL NUMBER ==========

GT119 GLAT1846

======APPROVAL:===

PROD: [illegible] 5-3-05

QA [illegible] 5.3.05

=WORKMANSHIP:==========

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

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

=glh 02.02.05==========

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

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

	DOCUMENT NUMBER	REV FD/PL	OUTSTANDING EO'S
ASSY DWG:	LAT-DS-01643	53	NONE
BOM PL:	(SAME - ON DWG)		
CUST SOW:	LAT-PS-02615/03078	03	NONE
VIBE/TC:	(NOT APPLICABLE; WAS SK-282; SOW DELETED GTC DO.)		
ASSY AID:	LAT-DS-01643	-	(RELEASED PER EC 2479)

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

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

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

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

DATE....	QTY..	REMARKS.....	STATUS
5.3.05			[illegible]

2	201		00	STOCKROOM/KITTING AREA KITTING	0.0000	0.0000		0.0000

* PROCESS MATERIAL PER CAA STEP 2.

DATE....	QTY..	REMARKS.....	STATUS
5/17/05	1		[illegible]

ESD SENSITIVE

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-01643
, UNIT-TEM/TPS

WO# 113238 PAGE 2
REQ DATE 05-06-05 CUST P#
REL.DATE 04-21-05 QTY 1
SO# F17301 PROJECT# F17301
PO# 0000053627 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
3	210		00	CCA/BLACK BOX ASSY AREA INSTALL SCREWS JOINING THE TEM & TPS BOX ASSYS.	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 3.

DATE	QTY	REMARKS	STATUS
07/01/05	1		Byp(1288)

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

* PROCESS ASSY PER CAA STEP 4.

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

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

TORQUE TOOL # GTC-A-977

GTC-E-944 CAL DUE DATE: 08/05

DATE	QTY	REMARKS	STATUS
07/01/05	1		Byp(1288)
7:40 07/1		WITNESS TORQUE	LAT 10 QA

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

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE/TIME: START- 07/01/05 10:00 AM STOP- 12:00 (NOON)

DATE	QTY	REMARKS	STATUS
07/01/05	1		Byp(1288)

3M MARKING & LABEL

* RECORD MATERIAL DATA BELOW:

INK 50-100R: GTC PO# 31201 EXPIRATION DATE 04/27/07

LOT # (PT A): 20040908 0033

LOT # (PT B): 2004 07 02 0071

MIX RECORD (PT A WGHT) 10 gr (PT B WGHT) 0.6 gr

MARKING DATE/TIME: 07/01/05 10:00 AM - 12:00 (NOON)

CURE OCCURS AT STAKING STEP 13.

DATE	QTY	REMARKS	STATUS
07/01/05	1		Byp(1288)

3M

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

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

WO# 113238 PAGE 3
REQ DATE 05-06-05 CUST P#
REL. DATE 04-21-05 QTY 1
SO# F17301 PROJECT# F17301
PO# 0000053627 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
6	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-122	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 6.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/7/05	1		GTC QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
7	280		00	SOURCE INSPECTION EXAMINE BOX JOINING AND EID PACKAGE	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 7.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

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

DATE	QTY	REMARKS	STATUS
7.7.05	1	GLAT 1846	LAT 10 QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
8	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-37	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 8.

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

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
7/7/05	1		

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

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

WO# 113238
REQ DATE 05-06-05
REL.DATE 04-21-05
SO# F17301
PO# 0000053627

CUST P#
QTY 1
PROJECT# F17301
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT HOURS
9	299		00	PACKAGING/SHIPPING INSP PACKAGING/SHIPPING	0.0000	0.0000		0.0000

* PROCESS ASSEMBLY PER CAA STEP 9.

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

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

CREATED BY: HEFKIN
FOR ASSY REV: 53
DATE: 04.26.05

ASSY REV	CHG BY	CHG DATE	CHANGE DETAIL
53	GLH	042605	UPDATED FOR UNITS 4 THRU 22.

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

(NEW)

WORK ORDER : 113238 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # : LAT-DS-01643
QUANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE / LOT LIFE	BIN BINLOC	BIN QUANTITY
1	LAT-DS-01487 SCREW, SKTHD CAP, 832X.62 ORIGINAL QUANTITY...	EA	40.00 40.00	RSVD	40.00	120307	SKCF2 FN-D3	120307 PULLED:	778.00	09-11-07	IN ASSY	40
2	0151 ADHESIVE; HYSOL,4OZ KIT ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-D4	PULLED:	0.00			0

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 113222 PAGE 1

PN# LAT-DS-01482
, GLAST, DAQ, TPS

REQ DATE 05-06-05 CUST P#
REL.DATE 04-20-05 QTY 1
SO# F17300 PROJECT# F17300
PO# 0000048800 CUST# 15356

=SERIAL NUMBER ==========

GT122 GLAT1830

======APPROVAL:===

PROD: GH 5-3-05

QA MJM 5-3-05

=WORKMANSHIP:==========

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

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

=glh 09.28.04==========

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

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

	DOCUMENT NUMBER	REV FD/PL	OUTSTANDING EO'S
ASSY DWG:	LAT-DS-01482	55	NONE
BOM PL:	(SAME - ON DWG)		
CUST SOW:	LAT-PS-03078	03	NONE
ESS TEST:	(N/A THIS LEVEL)		
ASSY AID:	LAT-DS-01482	- (RELEASED PER EC 2477)	

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

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

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

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

DATE....	QTY..	REMARKS.....	STATUS
5-3-05			MJM

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH ST-LOT. HOURS
2	201		00	STOCKROOM/KITTING AREA KITTING	0.0000	0.0000	0.0000

* PROCESS MATERIAL PER CAA STEP 2.

DATE....	QTY..	REMARKS.....	STATUS
5/17/05	1		UMA 9004

ESD SENSITIVE

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-01482
, GLAST, DAQ, TPS

WO# 113222 PAGE 2
REQ DATE 05-06-05 CUST P#
REL.DATE 04-20-05 QTY 1
SO# F17300 PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
3	210		00	CCA/BLACK BOX ASSY AREA APPLY ADHESIVE	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 3.

* RECORD ADHESIVE DATA BELOW:

GTC PO# 32131 EXP. DATE 10/01/05

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

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

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp (1288)

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

* PROCESS ASSY PER CAA STEP 4.

INSTALLED CCA SERIAL NUMBER: GT122

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
5	210		00	CCA/BLACK BOX ASSY AREA TORQUE FASTENERS	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 5.

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

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp (1288)
6.29.05	1	W/ WITNESS TORQUE	LAT TO QA

6-29-05

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-01482
GLAST, DAQ, TPS

WO# 113222
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17300
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
6	210		00	CCA/BLACK BOX ASSY AREA INSTALL J2	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 6.

"++ ALERT SLAC QAR TO WITNESS TORQUE PROCESS.++

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1288)
6/29/05	1	WITNESS TORQUE	LAT 10 QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
7	210		00	CCA/BLACK BOX ASSY AREA SECURE J2 HARNESS	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
8	210		00	CCA/BLACK BOX ASSY AREA INSTALL J1 TO LID	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 8.

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

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1288)
6/29/05	1	WITNESS TORQUE	LAT 10 QA

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-01482
, GLAST, DAQ, TPS

WO# 113222
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17300
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

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

* PROCESS ASSY PER CAA STEP 9.
* RECORD MATERIAL DATA BELOW:
ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/29/05 12:30PM STOP- 2:30PM

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1088)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
10	210		00	CCA/BLACK BOX ASSY AREA STAKE J2 HARDWARE	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 10.
* RECORD MATERIAL DATA BELOW:
ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/29/05 12:30PM STOP- 2:30PM

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1088)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
11	210		00	CCA/BLACK BOX ASSY AREA STAKE J2 CABLE TIES	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 11
* RECORD MATERIAL DATA BELOW:
ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/29/05 12:30PM STOP- 2:30 PM

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1088)

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

'/PN# LAT-DS-01482
', GLAST, DAQ, TPS

WO# 113222
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17300
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
12	210		00	CCA/BLACK BOX ASSY AREA STAKE J1 HARDWARE	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 12.

* RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE/TIME: START-06/29/05 12:30 PM STOP- 2:30 PM

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
13	210		00	CCA/BLACK BOX ASSY AREA MARKING (SN LABEL)	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
14	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-257	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6/29/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
15	280		00	SOURCE INSPECTION EXAMINE ASSY PRE-CLOSE	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6/29/05	1	GLAST 1830	

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-01482
, GLAST, DAQ, TPS

WO# 113222
REQ DATE 05-06-05
REL.DATE 04-20-05
SO# F17300
PO# 0000048800
CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

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

* PROCESS ASSY PER CAA STEP 16.

DATE....	QTY..	REMARKS.....	STATUS
06/29/05	1		Byp(1288)

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

* PROCESS ASSY PER CAA STEP 17.

"++ ALERT SLAC QAR TO WITNESS TORQUE PROCESS.++

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

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

GTC-E-944 CAL DUE DATE 08/05

DATE...	QTY..	REMARKS.....	STATUS
06/29/05	1		Byp(1288)
6.29.05	1	WITNESS TORQUE	LAT 10 QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT. HOURS
18	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-64	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 18.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE....	QTY..	REMARKS.....	STATUS
6/29/05	1		PO 012

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-01482
, GLAST, DAQ, TPS

WO# 113222
REQ DATE 05-06-05 CUST P#
REL.DATE 04-20-05 QTY 1
SO# F17300 PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
19	210		00	CCA/BLACK BOX ASSY AREA STAKE BOLT HEADS	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 19.

* RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE/TIME: START-06/29/05 12:30 PM STOP- 2:30PM

DATE	QTY	REMARKS	STATUS
06/29/05	1		Byp(1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
20	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-40	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 20.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6/30/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
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
6.30.05	1	GLAT 1830	LAT IQ QA

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

CREATED BY: HEFKIN FOR ASSY REV: 55 DATE: 042505

ASSY REV	CHG BY	CHG DATE	CHANGE DETAIL
55	GLH	042505	RELEASED AT REV 55, AND CAA AT REV -.

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

(NEW)

WORK ORDER : 113222 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # : LAT-DS-01482
QUANTITY : 1
LOCATION: WO2

BY LINE ITEM

EFFECTIVITY DATE: 05-03-05
RELEASE DATE : 04-20-05
DATE PRINTED : 05-17-05

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVTORY DETAIL LOT QUANTITY	LOT DATE / LOT LIFE	BIN / BINLOC QUANTITY
1	LAT-DS-00995 BASE, BOX, TPS ORIGINAL QUANTITY...	EA	1.00 1.00	RSVD	1.00	121225	SKCF2 FN-1	121225 PULLED:	14.00	09-30-07	SLAC
2	LAT-DS-00996 LID, BOX, TEM PS ORIGINAL QUANTITY...	EA	1.00 1.00	RSVD	1.00	121224	SKCF2 FN-2	121224 PULLED:	14.00	09-30-07	SLAC
3	LAT-DS-02388 CCA, GLAST, TPS ORIGINAL QUANTITY...	EA	1.00 1.00	BO	1.00		SKCF2 FN-3	PULLED:	0.00		
4	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	30.00 30.00	RSVD	30.00	115012	SKCF2 FN-4 (WAS 26 EA.)	115012 PULLED:	478.00	09-27-04	LOT 115
								128281 PULLED:	100.00	04-13-05	IN ASSY
5	NAS620C4 WASHER,FLAT,SS,.115"ID,.2 ORIGINAL QUANTITY...	EA	32.00 32.00	BO	32.00		SKCF2 FN-5 (WAS FN-6, 30 EA.)	PULLED:	0.00		
6	NAS1352N04-4 SCREW ORIGINAL QUANTITY...	EA	20.00 20.00	RSVD	20.00	115019	SKCF2 FN-6 (WAS FN-8, 22 EA.)	115019 PULLED:	534.00	09-27-04	F17300
								120306 PULLED:	64.00	12-16-04	IN ASSY
	0151 ADHESIVE; HYSOL,4OZ KIT ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-7 (WAS FN-9)	PULLED:	0.00		
8	CV-2946 RTV,NUSIL TECH ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-8 (WAS FN-10)	PULLED:	0.00		
9	PLT1M-C76 TIE,CABLE,LOCKING,PANDUIT ORIGINAL QUANTITY...	EA	5.00 5.00	BO	5.00		SKCF2 FN-9 (WAS FN-14)	PULLED:	0.00		
10	MS21043-04 NUT,SELF-LOCKING,800deg.F ORIGINAL QUANTITY...	EA	4.00 4.00	BO	4.00		SKCF2 FN-10	PULLED:	0.00		
11	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	0.01 0.01	BO	0.01		SKCF2 FN-11 (WAS FN-15)	PULLED:	0.00		
12	LAT-DS-05535 LABEL, SN ORIGINAL QUANTITY...	EA	1.00 1.00	BO	1.00		SKCF2 FN-12	PULLED:	0.00		

(NEW)

WORK ORDER : 113222 — WORK ORDER PICK LIST — PAGE: 2

ASSEMBLY # : LAT-DS-01482 — BY LINE ITEM — EFFECTIVITY DATE: 05-03-05
QUANTITY : 1 — RELEASE DATE : 04-20-05
LOCATION: WO2 — DATE PRINTED : 05-17-05

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE LOT LIFE	BIN BINLOC	BIN QUANTITY
13	9723-SS-0440 JACKPOST, M-F.440X.18X.31 ORIGINAL QUANTITY...	EA	2.00 2.00	BO	2.00		SKCF2 FN-13	PULLED:	0.00			

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

'PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

=SERIAL NUMBER ==========

GT122 GLAT172

=APPROVAL ===

PROD: GH 2/10/05

QA MM 2.10.05

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

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

=glh 02.07.05==========

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

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

	DOCUMENT NUMBER	REV FD/PL	OUTSTANDING EO'S
ASSY DWG:	LAT-DS-02388	~~57~~ 58	NONE
BOM PL:	LAT-TD-02391	56	NONE
CUST SOW:	LAT-PS-03078	03	NONE
ESS TEST:	N/A		
ASSY AID:	LAT-DS-02388	-	(RELEASED PER EC 2292)

SLAC 4-28-05

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * *
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.

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

DATE....	QTY..	REMARKS.....	STATUS
2.10.05			

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

ESD SENSITIVE

* PROCESS PER CAA STEP 2.

* ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM.

* ALL OTHER PARTS ROUTE TO SECOND ASSY.

DATE	QTY..	REMARKS.....	STATUS
2/12/05			

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 2
REQ DATE 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
3	210		00	CCA/BLACK BOX ASSY AREA MARK GTC SN	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 3.

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

4	213		00	SMT ASSY LINE PRE-SMT BAKEOUT	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 4.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 2.11.05 START: 10:12 STOP: 12:12

DATE	QTY	REMARKS	STATUS
2.11.05	1		BF

	213		00	SMT ASSY LINE STENCIL BOTTOM SIDE	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 5.

* RECORD SOLDER PASTE DATA BELOW:

GTC PO# 31728 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2/17/05	1		MR 1866

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

* PROCESS PER CAA STEP 6.

DATE	QTY	REMARKS	STATUS
2-17-05	1	BH	BF

C61 - .0076
C28 - .0078
C11 - .0078
Q10 - .0075
12 - .0072
C57 - .0076
C122 - .0075
C134 - .0072

Solder Paste Data Btm Side
Sum = .0596
Avg = .0074
Range = .0006

Measurements Taken By:
MR 1866
2/17/05

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
7	213		00	SMT ASSY LINE SOLDER REFLOW	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 7.

DATE	QTY	REMARKS	STATUS
2-17-05	1		BF

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
8	213		00	SMT ASSY LINE AQUEOUS CLEAN	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 8.

DATE	QTY	REMARKS	STATUS
2-17-05	1		BF

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
9	290		00	QUALITY ASSURANCE AREA OFE: SLDR-1258 ASSY-1645	0.0000	0.0000	0.0000	

* CR2 ~~xxx~~ short JANTXV1N6485US missing BF 2-17-05

* PROCESS PER CAA STEP 9.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
2/18/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
10	213		00	SMT ASSY LINE SOLDER PASTE STENCIL TOP SIDE	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 10.

* RECORD SOLDER PASTE DATA BELOW:

GTC PO# 31728 EXPIRATION DATE 7-14-05

DATE	QTY	REMARKS	STATUS
2/18/05	1		TH

D20 - .0075
D698 - 0072
L601 - .0070
R643 - .0079
D500 - .0076
L7 - .0078

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 4
REQ DATE 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
11	213		00	SMT ASSY LINE PICK-N-PLACE	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 11.

DATE	QTY	REMARKS	STATUS
2/18/05	1	TP-11	TH

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
12	213		00	SMT ASSY LINE SOLDER REFLOW	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 12.

DATE	QTY	REMARKS	STATUS
2/18/05	1		TH

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
13	213		00	SMT ASSY LINE AQUEOUS CLEAN	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
2/18/05	1		TH

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
14	290		00	QUALITY ASSURANCE AREA OFE: SLDR-1421 ASSY-786	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 14.

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

DRR#(S) 29633

DATE	QTY	REMARKS	STATUS
2-24-05	1	GT122 Post Reflow	

Missing D500 D505 D600 D605 TH 2-28

Wrong Pos. Q599, Q699 TH 2-28-05

03/22/05 filled shortage of D500 & D600. Byp 03/22/05

04/04/05 Installed Q599 & Q699 correctly. Byp 04/04/05

inspecting Q599 & Q699

4/4/05

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800
CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
15	210		00	CCA/BLACK BOX ASSY AREA TIN THRU-HOLE PARTS	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 15.

++ SPECIAL IN-PROCESS QA EXAMNINATION OF IC LEAD PREP AND SHORT WIRE PREP.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
3/16/05	1	Trim leads	SC-1587
3/16/05	1	Tinned	Buy (W88)

03/15/05 Stripped wires (35) MV
3/15/05 insp of stripped wires (35)
03/15/05 Tinned wires (35) MV
3/15/05 insp of tinned wires (35)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
16	210		00	CCA/BLACK BOX ASSY AREA MECH ASSY - HTSNKS/VR5	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 16.

* RECORD ADHESIVE DATA BELOW:

GTC PO# 31450 EXPIRATION DATE 05/17/05

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

TOOL # GTC-A-985 CAL DUE DATE 06/28/05

DATE	QTY	REMARKS	STATUS
04/06/05	1	Installed Heatsinks (GTC 1288)	Buy
04/12/05	1	Installed VR5 (GTC-A-976) (GTC 1288)	Buy

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
17	210		00	CCA/BLACK BOX ASSY AREA TERMINATE VR5	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 17.

DATE	QTY	REMARKS	STATUS
03/22/05	5	stripped wires	MV
03/22/05	5	Tinned wires	MV
04-13-05	1	Installed wires on VR5 MV (GTC 582)	

← Special in-process QA examination of wires
ME 4-27-05
checked wires for VRS 3/22/05

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

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

18 210 00 CCA/BLACK BOX ASSY AREA 0.0000 0.0000 0.0000
INSTALL/SOLDER R1, R2

* PROCESS PER CAA STEP 18.

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

moved to install + solder to step 26 ME 4-7-05

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

* PROCESS PER CAA STEP 19.

DATE.... QTY.. REMARKS..... STATUS
04/13/05 1 installed wires GTC 1288 Byp

20 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OPE: SLDR-70 ASSY-41

* PROCESS PER CAA STEP 20.

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

DRR#(S) _____

DATE.... QTY.. REMARKS..... STATUS
4/13/05 1

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

* PROCESS PER CAA STEP 21.

* RECORD ADHESIVE DATA BELOW:

GTC PO# 31450 EXPIRATION DATE 05/17/05

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

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

DATE.... QTY.. REMARKS..... STATUS
04/13/05 1 GTC 1288 Byp

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 7
REQ DATE 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
22	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER WIRES-ICS	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 22.

DATE	QTY	REMARKS	STATUS
04-22-05	1	Installed & Solder wires	GTC 502

04/19/05 filled shortage of CR2. GTC 1208 Byp 04/19/05

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
23	290		00	QUALITY ASSURANCE AREA OFE: SLDR-35 ASSY-28	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 23.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
4/22/05	1		GTC 502

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
24	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER Q504, Q604	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 24.

* RECORD ADHESIVE DATA BELOW:

GTC PO# 31450 EXPIRATION DATE 05/17/05

DATE	QTY	REMARKS	STATUS
4-22-05	1	Installed & Solder Q504, Q604	GTC 502

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
25	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER CAPS	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 25.

DATE	QTY	REMARKS	STATUS
3/16/05	1	Prep Caps	~~GTC 502~~ 5587
04-26-05	1	Installed & Solder Caps QMD.	GTC 502

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

'PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
26	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER F, R, T	0.0000	0.0000	0.0000	

R1 + R2 MC 4-7-05

* PROCESS PER CAA STEP 26.

DATE	QTY	REMARKS	STATUS
04-26-05	1	MD.	GTC 592

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
27	290		00	QUALITY ASSURANCE AREA OFE: SLDR-76 ASSY-38	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 27.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
4/26/05	1		GTC 592

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
28	265		00	SPEA ICT SPEA TEST	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 28.

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

TDRR#(S) _____

DATE	QTY	REMARKS	STATUS
04/26/05	1	SN: GT122; As per Greg Pooni, assembly was tested without D505 and D605 installed /c	passed

DIRECTORY : LAT-DS-02388
TPGM. NAME: SLAC(TPS)
SYS #: 1 HEAD 1
04/26/2005 16:20:18

SN : GT122

D505 T#2 FAIL(+/-)
ZEND505 1N4106UR-1 12V VF
VALUE: 1.4224 V

Not installed at the time of test

D605 T#2 FAIL(+/-)
ZEND605 1N4106UR-1 12V VF
VALUE: 1.4224 V

TEST RESULT : FAIL
04/26/2005 16:30:20

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
29	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER IP CABLE	0.0000	0.0000	0.0000	

SLDR I/P-ROW 1>CHECK 04-27-05 (MD) 4/27/05

SLDR I/P-ROW 2>CHECK 04-27-05 (MD) ME 3-9-05

SLDR I/P-ROW 37 Check 04-27-05 (M.D) 4/27/05

* PROCESS PER CAA STEP 29.

DATE	QTY	REMARKS	STATUS
04-27-05	1	MD.	GTC 592

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 9
REQ DATE 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
30	210		00	CCA/BLACK BOX ASSY AREA INSTALL/SOLDER O/P CABLE	0.0000	0.0000	0.0000	

SLDR O/P-ROW 1>CHECK - 04-28-05 (MD) 4/28/05 GTC 213
SLDR O/P-ROW 2>CHECK - 04-28-05 (MD) 04/28/05 GTC 1288 Byp 04/28/05
SLDR O/P-ROW 3>CHECK - 04-28-05 (MD) 04/28/05 GTC 1288 Byp 04/28/05
SLDR O/P-ROW 4>CHECK - 04-28-05 (MD) 04/28/05 GTC 1288 Byp 04/28/05

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
04-28-05	1	Installed & soldered wires on conn.	GTC 582

31	290		00	QUALITY ASSURANCE AREA OPE: SLDR-98 ASSY-107	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 31.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
4/28/05	1		GTC 582

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

* PROCESS PER CAA STEP 32.

DATE	QTY	REMARKS	STATUS
04-28-05	1	M.D.	GTC 582

05/06/05 filled shortage of D505 & D605. Byp 05/06/05.

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 10
REQ DATE 02-10-05 CUST P#
REL. DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
33	250		00	COATING/POTTING AREA POT WITH RTV - CABLE DC6-1104	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 33.

RTV DC6-1104; GTC PO# 31695 EXPIRATION DATE 08/21/05

SEE ADHESIVE 0151 APPLICATION FOR CURE DATA.

DATE	QTY	REMARKS	STATUS
05/18/05	1		Byp

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
34	210		00	CCA/BLACK BOX ASSY AREA STAKE WITH RTV - VR5 DC6-1104	0.0000	0.0000		0.0000

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

ME 3-14-05 ~~** RECORD DEFECT RECORD REPORT NUMBER(S) BELOW.~~

~~DRR#(S)~~ RTV DC6-1104 PO# ~~3160~~ 31695 Exp Date: 08/21/05 ME 3-14-05

DATE	QTY	REMARKS	STATUS
05/18/05	1		Byp

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
35	210		00	CCA/BLACK BOX ASSY AREA POTTING/STAKING ICS	0.0000	0.0000		0.0000

* PROCESS CAA PER CAA STEP ~~50~~ 35 ME 3-14-05

RTV DC6-1104 ME 3-14-05

~~OVEN CURE DATE~~ PO# 31695 ~~START~~ Date ~~STOP~~ 08/21/05 ME 3-14-05

~~OVEN CURE DATE~~ _____ ~~START~~ _____ ~~STOP~~ _____

DATE	QTY	REMARKS	STATUS
05/18/05	1		Byp

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075 PAGE 11
REQ DATE 02-10-05 CUST P#
REL.DATE 12-01-04 QTY 1
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

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

* PROCESS PER CAA STEP 36.
ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE 05/18/05 START 11:00 AM STOP 1:00 PM

DATE	QTY	REMARKS	STATUS
05/18/05	1		Byp

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

* PROCESS PER CAA STEP 37.
ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE 05/18/05 START 11:00 AM STOP 1:00 PM

DATE	QTY	REMARKS	STATUS
05/18/05	1		Byp

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
38	210		00	CCA/BLACK BOX ASSY AREA STAKE COMPONENTS - Q550. Q650, F2-F5	0.0000	0.0000	0.0000	

* PROCESS PER CAA STEP 38.
ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE 05/18/05 START 11:00 AM STOP 1:00 PM

DATE	QTY	REMARKS	STATUS
05/18/05	1	GTC 1298	Byp

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800
CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
39	210		00	CCA/BLACK BOX ASSY AREA STAKE INDUCTORS	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 39.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE 05/18/05 START ~~11:00 AM~~ STOP 1:00 PM

DATE	QTY	REMARKS	STATUS
05/18/05	1	GTC 128B	Buy

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

BAP 4-28-05

* PROCESS PER CAA STEP 40.

ADHESIVE 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE 05/18/05 START ~~31403 Buy~~ STOP ~~Buy 11 AM~~

DATE	QTY	REMARKS	STATUS
		~~11:00 AM~~ 1:00 PM	
05/18/05	1	GTC 128B	Buy

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
41	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-87	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 41.

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

DRR#(S) 32275

DATE	QTY	REMARKS	STATUS
5/21/05	1		
6/2/05	1		

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
42	280		00	SOURCE INSPECTION SLAC QAR INSPECTION - MIP	0.0000	0.0000		0.0000

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

DATE	QTY	REMARKS	STATUS
6/2/05	1	INSUFFICIENT STAKING	LAT 10 QA 6.6.05
		AT Q650 & Q550	
		S/B PER NOTE 7A AND DETAIL 7A	

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

* PROCESS PER CAA STEP 43.

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

	290		00	QUALITY ASSURANCE AREA RECEIVING INSPECTION	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 44.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
6/23/05	1		

45	280		00	SOURCE INSPECTION SLAC QAR PRE-COAT INSP. MANDATORY INSPECTION POINT (BEST POINT)	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 45.

DATE	QTY	REMARKS	STATUS
62705	1	GLAT 1792	LAT 10 QA

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
46	210		00	CCA/BLACK BOX ASSY AREA HAND CLEAN AND TEST THE CLEANLINESS OF CCA. ATTACH RESULTS REPORT TO THE TRAVELER/WO.	0.0000	0.0000		0.0000

* PROCESS CAA PER CAA STEP 46.

* ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
*6/27/05	0		AL1576
6/27/05	1		DM/1035

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
47	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-7	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 47.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
6/27/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
48	250		00	COATING/POTTING AREA BAKE-OUT AND MASK	0.0000	0.0000		0.0000

* PROCESS CAA PER CAA STEP 48.

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 6-27-05 START: 3:30pm STOP: 4:30pm

DATE	QTY	REMARKS	STATUS
6-27-05	1	Bake-out &	HKJ

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

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

* PROCESS CAA PER CAA STEP 49.

CONFORMAL COATING PO# 31201 EXPIRATION DATE 6-30-05
AIR CURE DATE 6/27/05 START 6:30PM STOP 6/28/05 6:30AM

DATE	QTY	REMARKS	STATUS
6-27-05	1	Count	HN

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

* PROCESS CAA PER CAA STEP 50.

OVEN CURE DATE 6/28/05 START 6:30AM STOP 7:35Am
OVEN CURE DATE 6/28/05 START 8:39Am STOP 9:30

DATE	QTY	REMARKS	STATUS
6/28/05	1	To Count	

6/28/05 Baked for 11:00Am - 1:00Pm Count

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
51	290		00	QUALITY ASSURANCE AREA OFE: SLDR-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...
...SPEA TEST REPORTS...
...INSPECTION REPORTS...
...NON-CONFORMANCE REPORTS...
...END-ITEM DATA PACKAGE FORMT...
...DIGITAL PHOTOGRAPHS, RECORDED ONTO CD...

DATE	QTY	REMARKS	STATUS
6/28/05	1		

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-02388
GLAST, TPS

WO# 112075
REQ DATE 02-10-05
REL.DATE 12-01-04
SO#
PO# 0000048800

CUST P#
QTY 1
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
52	280		00	SOURCE INSPECTION CSI	0.0000	0.0000		0.0000

* PROCESS CAA PER CAA STEP 52.

NOTE: NEXT ASSEMBLY IS LAT-DS-01482.

DATE	QTY	REMARKS	STATUS
6.28.05	1	OVEN CURE	
		INCOMPLETE @	
		MATERIAL MIX RECORD	

LAT QA TO REJ — LAT TO QA 6.29.05

=SERIAL NUMBER ==========

=======APPROVAL:===

PROD:_____/_____

QA:_____/_____

=WORKMANSHIP:==========

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

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

=glh 02.08.05==========

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 1

ASSEMBLY # : LAT-DS-02388
QUANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE / LOT LIFE	BIN LOC	BIN QUANTITY
1	LAT-DS-02389 PWB, GLAST, TPS	EA	1.00				SK2 FN-D1		0.00			
	ORIGINAL QUANTITY...		1.00					PULLED:				
				RSVD	1.00	120305	SKCF2	120305	15.00	09-11-07		
								PULLED:				
2	LAT-DS-02830-01 ASSY, CABLE, TPS I/P PWR	EA	1.00	BO	1.00		SK2 FN-(D2)	17 J2	0.00			
	ORIGINAL QUANTITY...		1.00					PULLED:				
							SKCF2		0.00			
								PULLED:				
3	LAT-DS-02465 HEAT SINK, TPS	EA	4.00				SK2 FN-D3		0.00			
	ORIGINAL QUANTITY...		4.00					PULLED:				
				RSVD	4.00	115014	SKCF2	115014	60.00	06-23-07		
								PULLED:				
4	LAT-DS-02831-01 ASSY, CABLE, TPS O/P PWR	EA	1.00	BO	1.00		SK2 FN-(D4)	18 J1	0.00			
	ORIGINAL QUANTITY...		1.00					PULLED:				
							SKCF2		0.00			
								PULLED:				
5	LAT-DS-03598 SUPPORT, CABLE HARNESS	EA	2.00				SK2 FN-D21		0.00			
	ORIGINAL QUANTITY...		2.00					PULLED:				
				RSVD	2.00	120308	SKCF2	120308	23.00	09-11-07 IN ASSY		
								PULLED:				
								115020	14.00	09-27-04 F17300		
								PULLED:				
6	LAT-DS-05535 LABEL, SN	EA	1.00	BO	1.00		SK2 FN-D22		0.00			
	ORIGINAL QUANTITY...		1.00					PULLED:				
							SKCF2		0.00			
								PULLED:				
7	NAS1149CN432R WASHER	EA	4.00				SK2 FN-D5	59293	6.00	07-31-01 A4F		
	ORIGINAL QUANTITY...		4.00					PULLED:				
				RSVD	4.00	115016	SKCF2	115016	138.00	09-27-04 LOT 115		
								PULLED:				
8	NAS671C6 NUT,#6,SM.PAT	EA	19.00	RSVD	19.00	122955	SK2 FN-6	122955	545.00	02-02-05		
	ORIGINAL QUANTITY...		19.00					PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 2

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

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	LIFE	BINLOC	BIN QUANTITY
8	NAS671C6 NUT,#6,SM.PAT Cont from prior page.	EA	19.00				FN-6	117403	57.00	11-04-04		D2H	
								PULLED:					
							FN-6	122960	910.00	02-02-05			
								PULLED:					
							FN-6	122986	500.00	02-03-05			
								PULLED:					
							FN-6	122987	500.00	02-02-05			
								PULLED:					
							SKCF2	44571	18.00	08-19-00		CF3D	
								PULLED:					
								116770	423.00	10-28-04			
								PULLED:					
9	NAS1352N06-6 SCREW ORIGINAL QUANTITY...	EA	7.00 7.00				SK2 FN-D7		0.00				
								PULLED:					
				RSVD	7.00	115011	SKCF2	115011	121.00	09-27-04			
								PULLED:					
10	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	4.00 4.00				SK2 FN-D8		0.00				
								PULLED:					
				RSVD	4.00	114832	SKCF2	114832	524.00	09-23-04		LOT 115	
								PULLED:					
								115012	712.00	09-27-04		IN ASSY	
								PULLED:					
11	NAS1149CN632R WASHER ORIGINAL QUANTITY...	EA	19.00 19.00				SK2 FN-D9		0.00				
								PULLED:					
				RSVD	19.00	115010	SKCF2	115010	327.00	09-27-04			
								PULLED:					
12	NAS671C4 NUT, HEX,SS,PASS,4-40THRD ORIGINAL QUANTITY...	EA	4.00 4.00	RSVD	4.00	122091	SK2 FN-D10	122091	133.00	01-20-05		HW7	
								PULLED:					
							FN-D10	122142	64.00	01-20-05			
								PULLED:					
							FN-D10	122180	250.00	01-21-05			
								PULLED:					
							FN-D10	123196	2000.00	02-04-05			
								PULLED:					
							FN-D10	123384	320.00	02-07-05			
								PULLED:					

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 3

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

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE / LOT LIFE	BINLOC	BIN QUANTITY
12	NAS671C4 NUT, HEX,SS,PASS,4-40THRD Cont from prior page.	EA	4.00				FN-D10	123397	610.00	02-07-05		
								PULLED:				
							FN-D10	123512	80.00	02-07-05		
								PULLED:				
							FN-D10	123521	155.00	02-07-05		
								PULLED:				
							FN-D10	123532	160.00	02-07-05		
								PULLED:				
							FN-D10	123691	700.00	02-07-05		
								PULLED:				
							SKCF2	115009	31.00	09-27-04 LOT 115		
								PULLED:				
13	CV-2946 RTV,NUSIL TECH ORIGINAL QUANTITY...	OZ	1.00 BO 1.00		1.00		SK2 FN-D11		0.00			
								PULLED:				
							SKCF2		0.00			
								PULLED:				
14	0151 ADHESIVE; HYSOL,4OZ KIT ORIGINAL QUANTITY...	OZ	1.00 BO 1.00		1.00		SK2 FN-D12		0.00			
								PULLED:				
							SKCF2		0.00			
								PULLED:				
15	PLT1M-C76 TIE,CABLE,LOCKING,PANDUIT ORIGINAL QUANTITY...	EA	5.00 BO 5.00		5.00		SK2 FN-D15		0.00			
								PULLED:				
							SKCF2		0.00			
								PULLED:				
16	5750 CONFORMAL COATING URELANE ORIGINAL QUANTITY...	OZ	1.00 BO 1.00		1.00		SK2 FN-D17		0.00			
								PULLED:				
							SKCF2		0.00			
								PULLED:				
17	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00 BO 1.00		1.00		SK2 FN-D18		0.00			
								PULLED:				
							SKCF2		0.00			
								PULLED:				
18	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	1.00 RSVD 1.00		1.00	46190	SK2 FN-D19	46190 (FOR TERMINATING VR5)	1250.00	09-14-00 SH2 R4		
								PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 4

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

L... PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION.....	UM	REQUIRED QUANTITY	CURR STATUS	STAT QUANTITY..	RESV IN LOT #.....	INVLOC	LOT NUMBER	LOT QUANTITY..	LOT DATE LOT LIFE	BIN BINLOC	BIN QUANTITY..
		IN					SKCF2	115299	17716.00	10-01-04	LOT1152	
	WIRE, 24AWG, WHITE Cont from prior page.							PULLED:				
19	LAT-DS-04101 HEATSINK ORIGINAL QUANTITY...	EA	2.00 2.00				SK2 FN-D20		0.00			
								PULLED:				
				RSVD	2.00	120304	SKCF2	120304	24.00	09-11-07		
								PULLED:				
20	ARF461 IC FILTER ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-34 VR5		0.00			
								PULLED:				
				RSVD	1.00	114959	SKCF2	114959	17.00	09-27-04		
								PULLED:				
21	MAX724ECK IC ORIGINAL QUANTITY...	EA	7.00 7.00				SK2 FN-36 U6 U7 U8 U10 U15 U17 U18		0.00			
								PULLED:				
				RSVD	7.00	114961	SKCF2	114961	147.00	09-27-04		
								PULLED:				
22	5962R9663501VXC IC ORIGINAL QUANTITY...	EA	5.00 5.00				SK2 FN-35 U20 U559 U560 U659 U660		0.00			
								PULLED:				
				RSVD	5.00	120301	SKCF2	120301	85.00	12-16-04	DRY-10	
								PULLED:				
23	SSR1040GTXV DIODE ORIGINAL QUANTITY...	EA	7.00 7.00				SK2 FN-19 D1 D2 D3 D4 D8 D19 D20		0.00			
								PULLED:				
				RSVD	7.00	114948	SKCF2	114948	210.00	09-27-04		
								PULLED:				
24	JANTXV1N4153UR-1 DIODE ORIGINAL QUANTITY...	EA	8.00 8.00				SK2 FN-20 D502 D503 D509 D599 D602 D603 D609 D699		0.00			
								PULLED:				
				RSVD	8.00	114949	SKCF2	114949	224.00	09-27-04		
								PULLED:				
25	JANTXV1N5806US DIODE 1N5806US ORIGINAL QUANTITY...	EA	8.00 8.00				SK2 FN-21 D501 D504 D507 D508 D601 D604 D607 D608		0.00			
								PULLED:				
				RSVD	8.00	114950	SKCF2	114950	126.00	09-27-04		
								PULLED:				
26	JANTXV1N6487US DIODE ORIGINAL QUANTITY...	EA	6.00 6.00				SK2 FN-23 CR1 CR3 CR4 CR6 CR8 CR9		0.00			
								PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 5

ASSEMBLY # : LAT-DS-02388
QUANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION.....	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY..	RESV IN LOT #.....	INVLOC	LOT NUMBER	INVTORY DETAIL LOT QUANTITY..	LOT DATE LOT LIFE	BINLOC	BIN QUANTITY..
	DIODE	EA		RSVD	6.00	114952	SKCF2	114952	148.00	09-27-04		
	Cont from prior page.							PULLED:				
27	JANTXV1N4106UR-1	EA	4.00				SK2		0.00			
	DIODE						FN-24	CR5 D30 D505 D605				
	ORIGINAL QUANTITY...		4.00					PULLED:				
				RSVD	4.00	114953	SKCF2	114953	61.00	09-27-04		
								PULLED:				
28	JANTXV1N4494US	EA	1.00				SK2		0.00			
	DIODE						FN-26	D600				
	ORIGINAL QUANTITY...		1.00					PULLED:				
				BO	1.00		SKCF2	114955	14.00	09-27-04		
								PULLED:				
29	JANTXV1N6485US	EA	1.00				SK2		0.00			
	DIODE						FN-22	CR2				
	ORIGINAL QUANTITY...		1.00					PULLED:				
				BO	1.00		SKCF2	114951	11.00	09-27-04		
								PULLED:				
30	JANTXV2N3439	EA	4.00				SK2		0.00			
	TRANSISTOR						FN-81	Q504 Q550 Q64 Q650				
	ORIGINAL QUANTITY...		4.00					PULLED:				
				RSVD	4.00	115006	SKCF2	115006	80.00	09-27-04		
								PULLED:				
31	5962R9582602VXC	EA	6.00				SK2		0.00			
	IC						FN-38	U1 U2 U21 U22 U561 U661				
	ORIGINAL QUANTITY...		6.00					PULLED:				
				RSVD	6.00	120302	SKCF2	120302	104.00	12-16-04	DRY-10	
								PULLED:				
32	CDR32BX103BKUS	EA	22.00				SK2		0.00			
	CAP 0.01UF 100V 10%						FN-4	C1 C5 C9 C31 C33 C35 C37 C54 C62 C66 C73 C76 C110 C114 C115 C165 C506 C596 C598 C606 C696 C698				
	ORIGINAL QUANTITY...		22.00					PULLED:				
				RSVD	22.00	114937	SKCF2	114937	825.00	09-27-04		
								PULLED:				
33	CWR09HC106KCB	EA	4.00				SK2		0.00			
	CAPACITOR						FN-6	C550 C597 C650 C697				
	ORIGINAL QUANTITY...		4.00					PULLED:				
				RSVD	4.00	114939	SKCF2	114939	308.00	09-27-04		
								PULLED:				
34	M39006/22-0567H	EA	30.00				SK2		0.00			
	CAPACITOR						FN-8	C2 C3 C4 C13 C14 C39 C40 C82 C85 C86 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C502 C602				
	ORIGINAL QUANTITY...		30.00					PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 6

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE / LOT LIFE	BIN BINLOC	BIN QUANTITY
	CAPACITOR Cont from prior page.	EA		RSVD	30.00	114941	SKCF2	114941 PULLED:	496.00	09-27-04		
35	1210B563K251YHTM CAPACITOR	EA	12.00				SK2	0.00 FN-13 C501 C508 C510 C511 C514 C540 C601 C608 C610 C611 C614 C640 PULLED:				
	ORIGINAL QUANTITY...		12.00									
				RSVD	12.00	114802	SKCF2	114802 PULLED:	882.00	09-23-04		
36	RXE065 FUSE	EA	2.00				SK2	0.00 FN-32 F2 F3 PULLED:				
	ORIGINAL QUANTITY...		2.00									
				RSVD	2.00	114957	SKCF2	114957 PULLED:	46.00	09-27-04		
37	5962L8771002VXA IC	EA	2.00				SK2	0.00 FN-37 U504 U604 PULLED:				
	ORIGINAL QUANTITY...		2.00									
				RSVD	2.00	114962	SKCF2	114962 PULLED:	99.00	09-27-04		
38	32786-31 INDUCTOR	EA	12.00				SK2	0.00 FN-39 L1 L2 L3 L4 L5 L6 L7 L10 L11 L12 L13 L14 PULLED:				
	ORIGINAL QUANTITY...		12.00									
				RSVD	12.00	114964	SKCF2	114964 PULLED:	216.00	09-27-04		
39	32763-31 INDUCTOR	EA	2.00				SK2	0.00 FN-40 L501 L601 PULLED:				
	ORIGINAL QUANTITY...		2.00									
				RSVD	2.00	114965	SKCF2	114965 PULLED:	185.00	09-27-04		
40	IRHNJ597034 TRANSISTOR	EA	3.00				SK2	0.00 FN-41 Q10 Q11 Q12 PULLED:				
	ORIGINAL QUANTITY...		3.00									
				RSVD	3.00	114966	SKCF2	114966 PULLED:	297.00	09-27-04		
41	H0705CPX000 THICK FILM JUMPER	EA	15.00				SK2	0.00 FN-42 R23 R24 R117 R516 R545 R616 R645 ZR29 ZR30 ZR69 ZR72 ZR99 ZR100 ZR101 ZR102 PULLED:				
	ORIGINAL QUANTITY...		15.00									
				RSVD	15.00	114817	SKCF2	114817 PULLED: 114967 PULLED:	1618.00 756.00	09-23-04 09-27-04		

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 7

ASSEMBLY # : LAT-DS-02388
QUANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	LOT LIFE	BIN LOC	BIN QUANTITY
42	M55342K09B1F00R RESISTOR	EA	2.00				SK2		0.00				
	ORIGINAL QUANTITY...		2.00				FN-44 R580 R680	PULLED:					
				RSVD	2.00	114828	SKCF2	114828	44.00	09-23-04			
								PULLED:					
								114969	229.00	09-27-04			
								PULLED:					
43	M55342K06B1E21R RESISTOR	EA	3.00				SK2		0.00				
	ORIGINAL QUANTITY...		3.00				FN-46 R5 R8 R21	PULLED:					
				RSVD	3.00	114971	SKCF2	114971	148.00	09-27-04			
								PULLED:					
44	M55342K06B1E37R RESISTOR	EA	4.00				SK2		0.00				
	ORIGINAL QUANTITY...		4.00				FN-47 R25 R28 R51 R52	PULLED:					
				RSVD	4.00	114972	SKCF2	114972	151.00	09-27-04			
								PULLED:					
45	M55342K06B1E00R RESISTOR,CHIP,.100W,1K OH	EA	6.00	RSVD	6.00	91633	SK2	91633	156.00	09-30-03	S6G		
	ORIGINAL QUANTITY...		6.00				FN-48 R17 R41 R48 R83 R552 R652	PULLED:					
							SKCF2	114818	1235.00	09-23-04			
								PULLED:					
								114976	178.00	09-27-04			
								PULLED:					
46	M55342K06B1F00R RESISTOR,CHIP.100W,1M OHM	EA	6.00				SK2		0.00				
	ORIGINAL QUANTITY...		6.00				FN-49 R506 R515 R556 R606 R615 R656	PULLED:					
				RSVD	6.00	114819	SKCF2	114819	630.00	09-23-04			
								PULLED:					
								114977	217.00	09-27-04			
								PULLED:					
47	M55342K09B2E00R RES,CHIP,2.00K,1%,72W	EA	1.00				SK2		0.00				
	ORIGINAL QUANTITY...		1.00				FN-50 R230	PULLED:					
				RSVD	1.00	115091	SKCF2	115091	137.00	09-28-04			
								PULLED:					
48	M55342K06B2E74R RESISTOR "R"	EA	3.00				SK2		0.00				
	ORIGINAL QUANTITY...		3.00				FN-52 R71 R75 R77	PULLED:					
				RSVD	3.00	114980	SKCF2	114980	75.00	09-27-04			
								PULLED:					

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 8

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

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	RESV IN QUANTITY	LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE / LOT LIFE	BINLOC	BIN QUANTITY
49	M55342K06B4E75R RESISTOR	EA	2.00				SK2		0.00		S10A	
	ORIGINAL QUANTITY...		2.00				FN-53 R509 R609	PULLED:				
				RSVD	2.00	91326	SKCF2	91326	67.00	09-24-03	CF2C	
								PULLED:				
								114981	488.00	09-27-04		
								PULLED:				
50	M55342K06B5E62R RESISTOR	EA	1.00	RSVD	1.00	119010	SK2	119010	25.00	11-30-04	S7E	
	ORIGINAL QUANTITY...		1.00				FN-56 R14	PULLED:				
							SKCF2	114984	144.00	09-27-04		
								PULLED:				
51	M55342K06B8E25R RESISTOR	EA	2.00				SK2	84080	12.00	04-15-03	S5E	
	ORIGINAL QUANTITY...		2.00				FN-57 R9 R10	PULLED:				
				RSVD	2.00	114985	SKCF2	114985	88.00	09-27-04		
								PULLED:				
52	M55342K06B10E0R RESISTOR,CHIP,.100W,10K O	EA	21.00				SK2		0.00			
							FN-59 R85 R86 R87 R502 R518 R522 R550 R551 R602 R618 R622 R650 R651 ZR24 ZR26 ZR63 ZR68 ZR95 ZR96 ZR97 ZR98					
	ORIGINAL QUANTITY...		21.00					PULLED:				
				RSVD	21.00	114987	SKCF2	114987	657.00	09-27-04		
								PULLED:				
								114830	117.00	09-23-04	CF2C	
								PULLED:				
								91324	58.00	09-24-03		
								PULLED:				
53	CDR04BX104AKUS CAP, .1uF,50V	EA	32.00				SK2		0.00			
							FN-2 C8 C10 C29 C65 C81 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C220 C505 C509 C560 C605 C609 C660					
	ORIGINAL QUANTITY...		32.00					PULLED:				
				RSVD	32.00	114935	SKCF2	114935	808.00	09-27-04		
								PULLED:				
54	CDR31BX102BKUS CAPACITOR	EA	2.00				SK2		0.00			
	ORIGINAL QUANTITY...		2.00				FN-3 C530 C630	PULLED:				
				RSVD	2.00	114936	SKCF2	114936	974.00	09-27-04		
								PULLED:				
55	CDR31BP100BKUS CAPACITOR	EA	14.00				SK2		0.00			
							FN-5 C200 C201 C202 C203 C204 C206 C207 C531 C532 C562 C631 C632 C633 C662					
	ORIGINAL QUANTITY...		14.00					PULLED:				
				RSVD	14.00	114938	SKCF2	114938	840.00	09-27-04		
								PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 9

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC	BIN QUANTITY
56	CDR33BX223BKUS CAPACITOR	EA	4.00				SK2		0.00				
	FN-7 C503 C551 C603 C651							PULLED:					
	ORIGINAL QUANTITY...		4.00										
				RSVD	4.00	114940	SKCF2	114940	2460.00	09-27-04			
								PULLED:					
57	CDR33BX473AKUS CAPACITOR	EA	7.00				SK2		0.00				
	FN-9 C6 C7 C32 C36 C63 C74 C77							PULLED:					
	ORIGINAL QUANTITY...		7.00										
				RSVD	7.00	114799	SKCF2	114799	1253.00	09-23-04			
								PULLED:					
								114942	333.00	09-27-04			
								PULLED:					
58	CDR31BP470BKUS CAPACITOR	EA	4.00				SK2		0.00				
	FN-10 C102 C512 C561 C661							PULLED:					
	ORIGINAL QUANTITY...		4.00										
				RSVD	4.00	115090	SKCF2	115090	951.00	09-28-04			
								PULLED:					
59	CWR09FC476KDB CAPACITOR	EA	89.00				SK2		0.00				
	FN-11 C11 C12 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C30 C34 C38 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C55 C56 C57 C58 C59 C60 C61 C64 C68 C69 C71 C72 C75 C78 C79 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C103 C104 C108 C109 C111 C112 C113 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136								PULLED:					
	ORIGINAL QUANTITY...		89.00										
				RSVD	89.00	114943	SKCF2	114943	1798.00	09-27-04			
								PULLED:					
60	CDR31BP101BKUS CAPACITOR	EA	4.00				SK2		0.00				
	FN-12 C221 C507 C607 C612							PULLED:					
	ORIGINAL QUANTITY...		4.00										
				RSVD	4.00	114944	SKCF2	114944	510.00	09-27-04			
								PULLED:					
61	JANTXV1N4489US DIODE	EA	1.00				SK2		0.00				
	FN-25 D500							PULLED:					
	ORIGINAL QUANTITY...		1.00										
				BO	1.00		SKCF2		0.00				
								PULLED:					
62	RXE110 FUSE,POLYSWITCH	EA	2.00				SK2		0.00				
	FN-33 F4 F5							PULLED:					
	ORIGINAL QUANTITY...		2.00										
				RSVD	2.00	114958	SKCF2	114958	46.00	09-27-04			
								PULLED:					
63	RWR89SR200FR RESISTOR	EA	1.00				SK2		0.00				
	FN-43 R22							PULLED:					
	ORIGINAL QUANTITY...		1.00										

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 10

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	RESV IN QUANTITY	LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC	BIN QUANTITY
	RESISTOR	EA		RSVD	1.00	114968	SKCF2	114968	93.00	09-27-04			
	Cont from prior page.							PULLED:					
64	M55342H06B1B21R RESISTOR	EA	4.00				SK2		0.00				
	ORIGINAL QUANTITY...		4.00				FN-45 R20 R53 R58 R61	PULLED:					
				RSVD	4.00	114970	SKCF2	114970	222.00	09-27-04			
								PULLED:					
65	M55342H06B2B21R RESISTOR	EA	6.00				SK2		0.00				
	ORIGINAL QUANTITY...		6.00				FN-51 R37 R40 R64 R65 R66 R67	PULLED:					
				RSVD	6.00	114979	SKCF2	114979	443.00	09-27-04			
								PULLED:					
66	M55342K09B10F0R RESISTOR	EA	4.00				SK2		0.00				
	ORIGINAL QUANTITY...		4.00				FN-60 R543 R544 R643 R644	PULLED:					
				RSVD	4.00	114820	SKCF2	114820	84.00	09-23-04			
								PULLED:					
								114988	212.00	09-27-04			
								PULLED:					
67	M55342K06B13E0R RESISTOR	EA	3.00				SK2		0.00				
	ORIGINAL QUANTITY...		3.00				FN-61 R18 R35 R46	PULLED:					
				RSVD	3.00	114989	SKCF2	114989	122.00	09-27-04			
								PULLED:					
68	M55342K06B15E0R RESISTOR,CHIP,.100W,15K O	EA	1.00	RSVD	1.00	4305	SK2	4305	140.00	09-26-98	S5B		
	ORIGINAL QUANTITY...		1.00				FN-62 R19	PULLED:					
							SKCF2	114990	83.00	09-27-04			
								PULLED:					
69	M55342K06B18E2R RESISTOR	EA	2.00				SK2		0.00				
	ORIGINAL QUANTITY...		2.00				FN-63 R231 R567	PULLED:					
				RSVD	2.00	114991	SKCF2	114991	132.00	09-27-04			
								PULLED:					
70	M55342K06B20E0R RESISTOR,20Kohms	EA	8.00	RSVD	8.00	17105	SK2	17105	300.00	03-23-99	S9F		
	ORIGINAL QUANTITY...		8.00				FN-64 R505 R507 R510 R525 R605 R607 R610 R625	PULLED:					
								46973	1000.00	09-26-00			
							FN-64 R505 R507 R510 R525 R605 R607 R610 R625	PULLED:					

114992

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 11

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE LOT LIFE	BIN BINLOC	BIN QUANTITY
		EA					SKCF2	114992	208.00	09-27-04		
	RESISTOR,20Kohms Cont from prior page.							PULLED:				
71	M55342K09B22D1R RESISTOR	EA	1.00				SK2		0.00			
	ORIGINAL QUANTITY...		1.00				FN-65 R511	PULLED:				
				RSVD	1.00	114993	SKCF2	114993	137.00	09-27-04		
								PULLED:				
72	M55342K06B22E1R RESISTOR	EA	5.00				SK2	50590	33.00	12-15-00	S5G	
	ORIGINAL QUANTITY...		5.00				FN-66 R34 R45 R512 R566 R612	PULLED:				
				RSVD	5.00	114994	SKCF2	114994	272.00	09-27-04		
								PULLED:				
								50591	10.00	12-15-00	S5G	
								PULLED:				
73	M55342K06B33E2R RESISTOR	EA	1.00				SK2		0.00			
	ORIGINAL QUANTITY...		1.00				FN-67 R666	PULLED:				
				RSVD	1.00	114995	SKCF2	114995	134.00	09-27-04		
								PULLED:				
74	M55342K06B49E9R RESISTOR,49.9Kohms	EA	6.00	RSVD	6.00	83542	SK2	83542	323.00	03-31-03	S1E	
	ORIGINAL QUANTITY...		6.00				FN-68 R27 R42 R598 R599 R698 R699	PULLED:				
							SKCF2	114996	268.00	09-27-04		
								PULLED:				
75	M55342K06B61E9R RESISTOR	EA	1.00	RSVD	1.00	84266	SK2	84266	17.00	04-15-03	S7H	
	ORIGINAL QUANTITY...		1.00				FN-69 R667	PULLED:				
							SKCF2	114997	144.00	09-27-04		
								PULLED:				
76	M55342K06B100DR RESISTOR,CHIP.100W,100 OH	EA	4.00	RSVD	4.00	104427	SK2	104427	240.00	04-27-04	S7H	
	ORIGINAL QUANTITY...		4.00				FN-70 R501 R530 R601 R630	PULLED:				
							SKCF2	114822	3428.00	09-23-04		
								PULLED:				
								114998	6.00	09-27-04		
								PULLED:				
77	M55342K06B100ER RESISTOR,CHIP,.100W,100K	EA	13.00				SK2		0.00		S9G	
	ORIGINAL QUANTITY...		13.00				FN-71 R6 R7 R200 R201 R202 R203 R204 R206 R207 R513 R597 R613 R697	PULLED:				

(NEW)

WORK ORDER : 112075 — WORK ORDER PICK LIST — PAGE: 13

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

PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE	LOT LIFE	BINLOC	BIN QUANTITY
84	JANTXV2N2907AUB TRANSISTOR	EA	2.00				SK2		0.00				
	ORIGINAL QUANTITY...		2.00				FN-82	Q599 Q699					
								PULLED:					
				RSVD	2.00	115007	SKCF2	115007	82.00	09-27-04			
								PULLED:					
85	M55342K09B4E99R RESISTOR	EA	2.00				SK2		0.00				
	ORIGINAL QUANTITY...		2.00				FN-54	R519 R619					
								PULLED:					
				RSVD	2.00	114982	SKCF2	114982	219.00	09-27-04			
								PULLED:					
86	M55342K06B5E11R RESISTOR	EA	2.00	RSVD	2.00	60670	SK2	60670	44.00	09-07-01	S9F		
	ORIGINAL QUANTITY...		2.00				FN-55	R508 R608					
								PULLED:					
								83259	9.00	03-19-03			
							FN-55	R508 R608					
								PULLED:					
							SKCF2	114829	204.00	09-23-04			
								PULLED:					
								114983	232.00	09-27-04			
								PULLED:					
87	M55342K09B10D0R RESISTOR	EA	1.00				SK2		0.00				
	ORIGINAL QUANTITY...		1.00				FN-58	R611					
								PULLED:					
				RSVD	1.00	114986	SKCF2	114986	237.00	09-27-04			
								PULLED:					

DEFECT RECORD REPORT

ID: 29633

PART NUMBER: LAT-DS-02388
WORK ORDER: 112075
SALES ORDER: F17300
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: SLAC

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

OFE SOLDER: 1421
OFE ASSEMBLY: 786
DATE: 2/24/2005
WEEK CODE: 10

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT122	1	1829	S402		INSUFFICIENT SOLDER	L10	
GT122	1	1829	S402		INSUFFICIENT SOLDER	L4	
GT122	1	1829	S402		INSUFFICIENT SOLDER	L7	
GT122	1	1829	S402		INSUFFICIENT SOLDER	L12	

04/04/05 Rework done by Byp 04/04/05

4/4/05

CRANE AEROSPACE & ELECTRONICS General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA P/N: LAT-DS-02386 6LAT 1792 6T122

W.O. #: 112075

CC Tech: HN **(Initial / Employee #)**

Date: 6-27-05

MIX RATIOS

Coating TYPE: ARATHANE **Mfr:** HUNTSMAN

Lot Number: AKU6-B8013A **Expiration Date:** ~~6-27-05~~ 6/30/05 DM

MIX RATIOS: 18 5750-A 100 5750-B

AIR CURE: START 6/27/05 6:30PM STOP 6/28/05 6:30AM

OVEN CURE: START 6/28/05 6:30 AM FINISH 6/28/05

OVEN CURE REPEATED 6.28.05 START 11.00AM
FINISH 1:00PM
Pat Lyn 6.28.05

CRANE AEROSPACE & ELECTRONICS General Technology Corporation

CONFORMAL COATING DATA SHEET

CCA P/N: LAT-DS-01646 GLAT 1762 GT III

W.O. #: 112011

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

Date: 6/24/05

MIX RATIOS

Coating TYPE: ARATHANE **Mfr:** HUNTSMAN

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

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

AIR CURE: START 6/24/05 AT 8:55AM FINISH 11:55 AM

OVEN CURE: START 11:55 AM - 12:55 pm
Tack up

WESTEK

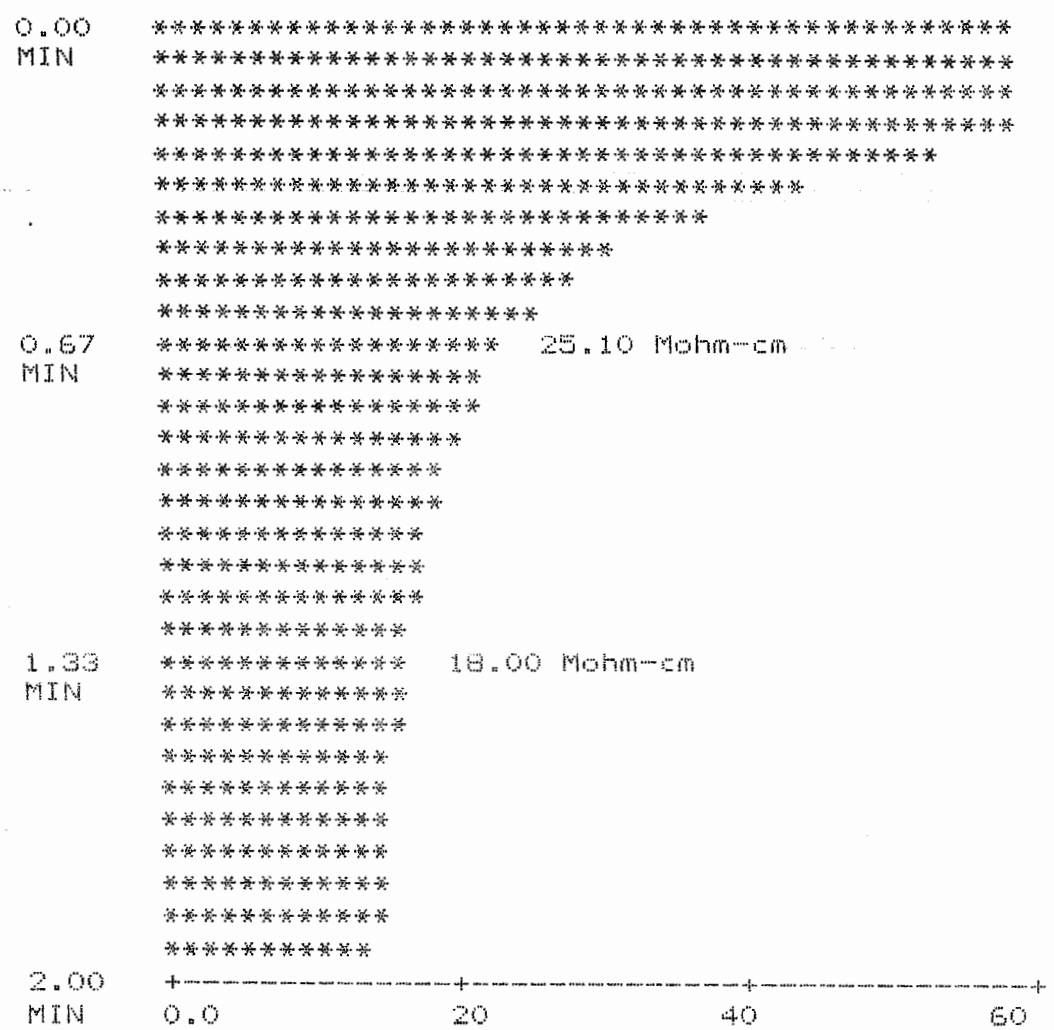
Operator :DON
06/25/05
13:10:07

Test Type : Auto
Test name : 'Manual Test'
Board # GT122 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) : 4.19 ug/sq in

TIME vs RESISTIVITY



Final Resistivity : 15.70 Mohm-cm

DEFECT RECORD REPORT

ID: 32275

PART NUMBER: LAT-DS-02388
WORK ORDER: 112075
SALES ORDER: F17300
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: SLAC

INSPECTION TYPE: CUSTOMER SOURCE
INSPECTION LEVEL: I
INSPECTOR: EMARTINEZ

OFE SOLDER: 0
OFE ASSEMBLY: 0
DATE: 6/2/2005
WEEK CODE: 24

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT122	1	1288	A309	1-BIG RUNNER	INSUFFICIENT COATING / POTTING / BONDI	Q650	
GT122	1	1288	A309	1-BIG RUNNER	INSUFFICIENT COATING / POTTING / BONDI	Q550	

Adhesive 0151: GTC PO# 31403 Expiration Date 01/31/07

Cure Date 06/03/05 Start 8:00 AM Stop 10:00 AM

Rework done by Byp (1288) 06/03/05

6/6/05

REWORK TRAVELER

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

APPROVAL (Original signed Edition RESERVED FOR COPYING.)							
G.POZZI 4-18-05		G.HEFKIN 4.18.05		K. BERGTHOLDT 4/18/05		P. LUJAN	
PREPARED BY	DATE	ENG ~~MGR~~ SUP.	DATE	QA ~~MGR~~ EHL.	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- 122 GLAT- 1792	GTC 1288 Byp	04/23/05	
2	**OPERATOR:** INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. **NO SOLDER BALLS ALLOWED.**	GTC 582 MD	04.28.05	
	AQUEOUS CLEAN USING RECIPE #3	SC 1587	4/28/05	
4	**INSPECTION:** INSPECT FOR BOARD CLEANLINESS. **NO SOLDER BALLS ALLOWED.**	GTC 18 QA	4/29/05	
5	**SOURCE INSPECTION**	LAT 10 QA	4/2/05	

REWORK TRAVELER

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

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

STEP	OPERATION NCMR 2305 **REMOVE AND REPLACE Q10, Q11, AND Q12**	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TPS LAT-DS-02388 SN's GT-122, GLAT-1792	GTC 1288 Byp	04/20/05	
2	**OPERATOR:** Removed Q10, Q11, Q12 REMOVE Q10, Q11, AND Q12. USE THE HAKO FM202 PARALLET REMOVAL SOLDERING IRON WITH 5/16" BLADE TIPS PLACE PARTS INTO AN ESD BAG AND RECORD BOARD SERIAL NUMBER ON BAG. KEEP PARTS WITH REWORK TRAVELER THEN ROUT TO QUALITY ENGINEERING WITH A COPY OF THE REWORK TRAVELER.	GTC 582 JMD	04-27-05	
3	**OPERATOR:** VERIFY PADS HAVE NO DAMAGE.	GTC 1288 Byp	04/27/05	
3	**OPERATOR:** SOLDER Q10, Q11, AND Q12 ONTO BOARD USE THE METCAL SOLDERING IRON WITH A .5 " BLADE TIP.	GTC 1288 Byp	04/27/05	
4	**OPERATOR:** HAND CLEAN BOARDS USING ALCOHOL.	GTC 1288 Byp	04/27/05	
5	**INSPECTION:** INSPECT PARTS FOR WORKMANSHIP AND BOARD CLEANLINESS		4/28/05	
6	**SOURCE INSPECTION**	LAT 10 QA	5/2/05	

REWORK TRAVELER

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

APPROVAL							
G.POZZI 4-28-05		G.HEFKIN		K. BERGTHOLDT for MKM		P. LUJAN 4.28.05	
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE 4/29/05	SLAC SOURCE	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: __ TPS LAT-DS-02388 SN GT- 122 GLAT- 1792	GTC 1288 Byp	04/28/05	
2	**OPERATOR:** STAKE R22 PER CAA-LAT-DS-02388, STEP 40. CURE PER INSTRUCTION IN STEP 40	GTC 1288 Byp	05/18/05	
3	**INSPECTION:** INSPECT FOR BOARD CLEANLINESS. **NO SOLDER BALLS ALLOWED.**		5/21/05	
	SOURCE INSPECTION	LAT 10 QA	6/3/05	

REWORK TRAVELER

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

APPROVAL							
G. Pozzi 4-25-05		G. Hefkin 4.25-05		M. Mora 4.25.05		P. Lujan 4.25.05	
PREPARED BY	DATE	ENG MGR	DATE	QA MGR	DATE	Source Insp.	DATE

STEP	OPERATION	Operator Sign Off.	Date	Time spent
	RE. NCMR 2323.			
1	Record serial numbers Affected: __ GT-104 Glat-1774 Thru GT-122 Glat-1792__ Serial Number GT 122 GLAT 1792	GTC 1298 Byp	04/25/05	
2	REMOVE ALL CABLE TIE WRAPS ON HARNESSES.	GTC 1298 Byp	05/19/05	
3	REPLACE ALL CABLE TIE WRAPS USING THE PANDUIT CABLE TIE WRAP TOOL ON SETTING "STANDARD", AT LEVEL "7".	GTC 1298 Byp	05/19/05	
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 (REFER TO CAA LAT-DS-02388 FOR MIX INSTRUCTIONS)	GTC 1298 Byp	05/19/05	
5	Hysol 0151 data: DATE MIXED 05/19/05 Expiration Date 01/31/07 PO # 31403	GTC 1298 Byp	05/19/05	
6	Inspection	GTC 18 QA	5/21/05	
7	Source Inspection	LAT 10 QA	6/2/05	

SMT Component Change Verification Log

Date	CCA	P/N Changed	Polarity	Changed by	Verified by
2/17/05	Slac	CWR09FC476KDB (T82H476K010CRMDO -824)	Yes	BF	MK
2/17/05	Slac	M55342K06B1E00R	NO	BF	MK
2/17/05	Slac	M55342K06B100ER	NO	BF	MK
2/17/05	Slac	CWR09FC476KDB (T82H476K010CRMDO 824)	Yes	BF	BF / MR

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	2305	CUSTOMER RETURN	☐
DATE	4/14/2005	RMA NUMBER	
CUSTOMER	SLAC	QUANTITY RETURNED	
CUSTOMER CONTACT	Pat Lujan	VENDOR DEFECT	☐
VENDOR		QUANTITY REJECTED	
PART NUMBER	LAT-DS-02388	PRODUCTION DEFECT	☑
LOT QUANTITY	19	QUANTITY REJECTED	19
SALES ORDER	F17300	REWORK REQUIRED	☑
PURCHASE ORDER	48800	QUANTITY REWORKED	19
LOT NUMBER		PURCHASING DEFECT	☐
WORK ORDER	112064	PURCHASING QUANTITY REJECTED	
INITIATOR	Pat Lujan		
ASSIGNED TO	SLAC		
DATE REQUIRED	4/25/2005		
ASSIGNED TO SIGNATURE	SLAC		

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 IRHNJ597034SCS, DLC 0418) from TPS CCAs. Qty = 3 mosfets (ref. designators Q10, Q11, Q12) to be removed from each board. Mosfets were not pre-tinned prior to surface mount. Grainy, discolored solder joints indicated excessive gold contamination that could result in 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 REWORK

Q/A APPROVAL E-mails on file

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

Q/A APPROVAL DATE	4/15/2005
COST OF QUALITY	

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	2323	CUSTOMER RETURN	☐
DATE	4/25/2005	RMA NUMBER	
CUSTOMER	SLAC	QUANTITY RETURNED	
CUSTOMER CONTACT	Pat Lujan	VENDOR DEFECT	☐
VENDOR		QUANTITY REJECTED	
PART NUMBER	LAT-DS-02388	PRODUCTION DEFECT	☐
LOT QUANTITY	19	QUANTITY REJECTED	
SALES ORDER	F17300	REWORK REQUIRED	☑
PURCHASE ORDER	48800	QUANTITY REWORKED	19
LOT NUMBER	All TPS	PURCHASING DEFECT	☐
WORK ORDER		PURCHASING QUANTITY REJECTED	
INITIATOR	Pat Lujan		
ASSIGNED TO	Tarkington		
DATE REQUIRED	4/28/2005		
ASSIGNED TO SIGNATURE			

DISCREPANCY

IS: Cable Tie are trimmed below strap head.

Should Be: Per NASA-STD-8739.4 Para. 9.6.2. Cable ties should be trimmed flush at the strap head.

NOTES

During Qual + 2 the material used to stake the cable tie heads did not adhere properly. The requirement was deleted from the drawing.

CAUSE

Tool used to install cable ties was not adjusted properly.

CORRECTIVE ACTION

Install cable ties with properly adjusted tool or manually Per NASA-STD_8739.4 Para. 9.6.2. Stake with Hysol 0151. Add Staking requirements to drawing.
Rework all assemblies per rework traveler.

FINAL DISPOSITION	REWORK
Q/A APPROVAL	E-mails on file
Q/A APPROVAL DATE	4/15/2005
COST OF QUALITY	

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

NCMR NUMBER	2294
DATE	4/11/2005
CUSTOMER	SLAC
CUSTOMER CONTACT	Pat Lujan
VENDOR	
PART NUMBER	LAT-DS-02388
LOT QUANTITY	8
SALES ORDER	F17300
PURCHASE ORDER	48800
LOT NUMBER	
WORK ORDER	112064
INITIATOR	Pat Lujan
ASSIGNED TO	SLAC
DATE REQUIRED	
ASSIGNED TO SIGNATURE	Pat Lujan

CUSTOMER RETURN	☐
RMA NUMBER	
QUANTITY RETURNED	
VENDOR DEFECT	☐
QUANTITY REJECTED	
PRODUCTION DEFECT	☑
QUANTITY REJECTED	8
REWORK REQUIRED	☐
QUANTITY REWORKED	0
PURCHASING DEFECT	☐
PURCHASING QUANTITY REJECTED	

DISCREPANCY

IS: Insufficient staking on tantalum capacitors.

S/B: Staking material should be in contact with both endfaces of the component.

GLAT SN's 1774,1775, 1776, 1778, 1779, 1780, 1781, 1782

NOTES

Per MRB Telecon held 4-15-2005:
Staking of sleeved Ta capacitors on TPS CCA LAT-DS-02388 is acceptable as is. Capacitors are staked along entire length but no staking comes in direct contact with the capacitor body. A thin bead of staking compound would have to be applied to the ends of the capacitor to reach inside the open ends of the sleeving. Photos of typical staking of the capacitors were reviewed and MRB agreed that the existing staking along with conformal overcoat would provide sufficient mechanical staking of the Ta capacitors to the CCA. Rework is not required for any staked Ta capacitors on TPS CCAs.

CAUSE

Misinterpretation of Staking Specification. J-STD-001CS Para. 10.3.d.

CORRECTIVE ACTION

All personnel involved in this operation to receive additional training. This includes the SLAC on site QA representative.
SLAC on site QA representative will be attending a course to obtain formal certification to IPC/EIA J-STD-001C and J-STD-001CS.

FINAL DISPOSITION	USE AS IS
Q/A APPROVAL	E-mails on file
Q/A APPROVAL DATE	4/15/2005

GENERAL TECHNOLOGY CORPORATION
NONCONFORMANCE MATERIAL/RMA REPORT

COST OF QUALITY [ ]

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

T PRODUCTION WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-01481
ASSY, GLAST, DAQ, TEM

WO# 113112
REQ DATE 04-29-05
REL.DATE 04-04-05
SO# F17200
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

=SERIAL NUMBER ==========

GT111 GLAT1800

=APPROVAL:===

PROD: RLH 4/27/05

QA: 4.27.05

=WORKMANSHIP:==========

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

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

=glh 09.28.04==========

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

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

	DOCUMENT NUMBER	REV	FD/PL	OUTSTANDING EO'S
ASSY DWG:	LAT-DS-01481		54	NONE
BOM PL:	(SAME - ON DWG)			
CUST SOW:	LAT-PS-02615		03	NONE
ESS TEST:	(N/A THIS LEVEL)			
ASSY AID:	LAT-DS-01481		- (RELEASED PER EC 2426)	

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)

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

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

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

DATE....	QTY..	REMARKS.....	STATUS
4.27.05			

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT HOURS
2	201		00	STOCKROOM/KITTING AREA KITTING		0.0000	0.0000	0.0000

* PROCESS MATERIAL PER CAA STEP 2.

DATE....	QTY..	REMARKS.....	STATUS
4/28/05			

ESD SENSITIVE

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-01481
ASSY, GLAST, DAQ, TEM

WO# 113112
REQ DATE 04-29-05
REL.DATE 04-04-05
SO# F17200
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
3	210		00	CCA/BLACK BOX ASSY AREA APPLY ADHESIVE	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 3.

* RECORD ADHESIVE DATA BELOW:

GTC PO# 31231 EXP. DATE 10/01/05

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

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

DATE	QTY	REMARKS	STATUS
06/27/05	1		Byp (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
4	210		00	CCA/BLACK BOX ASSY AREA LOG CCA SN TO WORK ORDER CHASE SCREW THREADS INSTALL CCA TO BOX	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 4.

INSTALLED CCA SERIAL NUMBER: GT111

DATE	QTY	REMARKS	STATUS
06/27/05	1		Byp (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
5	210		00	CCA/BLACK BOX ASSY AREA TORQUE FASTENERS.	0.0000	0.0000		0.0000

* PROCESS ASSY PER CAA STEP 5.

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

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

TORQUE TOOL # GTC-E-951 1/2

GTC-E-944 CAL DUE DATE 08/05

DATE	QTY	REMARKS	STATUS
06/27/05	1		Byp (1288)
6.27.05	1	WITNESS TORQUE	LAT IQA QA

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-01481
ASSY, GLAST, DAQ, TEM

WO# 113112
REQ DATE 04-29-05
REL.DATE 04-04-05
SO# F17200
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
					HOURS			
6	210		00	CCA/BLACK BOX ASSY AREA STAKE BOLT HEADS.	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 6.
* RECORD MATERIAL DATA BELOW:
ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07
CURE DATE/TIME: START-06/28/05 8:45 AM STOP- 10:45 AM

DATE....	QTY..	REMARKS.....	STATUS
06/28/05	1		Byp(1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
7	210		00	CCA/BLACK BOX ASSY AREA ASSY MARKING	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 7.
* RECORD MATERIAL DATA BELOW:
INK 50-100R: GTC PO# 31201 EXPIRATION DATE 04/27/07
LOT # (PT A): 20040908033
LOT # (PT B): 20040702007 1
MIX RECORD (PT A WGHT) 10gn. (PT B WGHT) 0.6 gn.
MARKING DATE/TIME: 06/28/05 8:45 AM - 10:45 AM
CURE OCCURS AT STAKING STEP 13.

DATE....	QTY..	REMARKS.....	STATUS
06/28/05	1		Byp(1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
8	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-127	0.0000	0.0000	0.0000	

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

DATE....	QTY..	REMARKS.....	STATUS
6/28/05	1		

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

A.../PN# LAT-DS-01481
ASSY, GLAST, DAQ, TEM

WO# 113112 PAGE 4
REQ DATE 04-29-05 CUST P#
REL.DATE 04-04-05 QTY 1
SO# F17200 PROJECT# F17200
PO# 0000048799 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT. HOURS
9	280		00	SOURCE INSPECTION EXAMINE BOX ASSY	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 9.

* EXAMINE BOX ASSEMBLY PRIOR TO CLOSE.

DATE....	QTY..	REMARKS.....	STATUS
6.28.05	1	GLAT 1800	LAT TO QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT. HOURS
10	210		00	CCA/BLACK BOX ASSY AREA INSTALL LID	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 10.

DATE....	QTY..	REMARKS.....	STATUS
06/28/05	1		Byp (1288)

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

* PROCESS ASSY PER CAA STEP 11.

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

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

TORQUE TOOL # GTC-A-977 / GTC-E-9511/2

GTC-E-944 CAL DUE DATE ~~Byp 1 / 26 Byp~~ 08/05

DATE....	QTY..	REMARKS.....	STATUS
06/28/05	1		Byp
6.28.05	1	WITNESS TORQUE	LAT TO QA

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT. HOURS
12	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-94	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 12.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE....	QTY..	REMARKS.....	STATUS
6/28/05	1		GTC QA

WORK CELL: 1-BIG RUNNER CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

./PN# LAT-DS-01481
ASSY, GLAST, DAQ, TEM

WO# 113112
REQ DATE 04-29-05
REL.DATE 04-04-05
SO# F17200
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

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

* PROCESS ASSY PER CAA STEP 13.

* RECORD MATERIAL DATA BELOW:

ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 01/31/07

CURE DATE/TIME: START- 06/28/05 2:00 PM STOP- 4:00 PM

DATE	QTY	REMARKS	STATUS
06/28/05	1		Buy (1288)

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT.
14	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-37	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 14.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6/29/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... HOURS	LINE-MACH HOURS	ST-LOT.
15	280		00	SOURCE INSPECTION CUSTOMER SOURCE INSP	0.0000	0.0000	0.0000	

* PROCESS ASSY PER CAA STEP 15.

RECORD DEFECT REPORT NO. IF APPLICABLE: _____

DATE	QTY	REMARKS	STATUS
6.29.05	1	GLAST 1800	

LAT 10 QA

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

CREATED BY: HEFKIN
FOR ASSY REV: 54
DATE: 03.31.05

ASSY REV	CHG BY	CHG DATE	CHANGE DETAIL
54	GLH	033105	RELEASED AT REV 54, AND CAA AT REV -.

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

(NEW)

WORK ORDER : 113112

WORK ORDER PICK LIST

BY LINE ITEM

PAGE: 1

MBLY # : LAT-DS-01481
ANTITY : 1
OCATION: WO2

EFFECTIVITY DATE: 04-26-05
RELEASE DATE : 04-04-05
DATE PRINTED : 04-27-05

DATE PULLED: _____

PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT LIFE	LOT DATE	BINLOC	BIN QUANTITY
1	LAT-DS-00554 TEM BOX BASE ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-1		0.00				
								PULLED:					
				RSVD	1.00	120298	SKCF2	120298	15.00		12-16-04	SLAC	
								PULLED:					
2	LAT-DS-00555 TEM BOX LID ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-2		0.00				
								PULLED:					
				RSVD	1.00	120297	SKCF2	120297	15.00		12-16-04	SLAC	
								PULLED:					
3	LAT-DS-01646 CCA, GLAST, TEM ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-3		0.00				
								PULLED:					
				BO	1.00		SKCF2		0.00				
								PULLED:					
4	NAS1352N03LB4 HARDWARE ORIGINAL QUANTITY...	EA	26.00 26.00				SK2 FN-4		0.00				
								PULLED:					
				RSVD	26.00	114831	SKCF2	114831	572.00		09-23-04		
								PULLED:					
	NAS1352N04-6 SCREW ORIGINAL QUANTITY...	EA	29.00 29.00				SK2 FN-5		0.00				
								PULLED:					
				RSVD	29.00	114832	SKCF2	114832	464.00		09-23-04	LOT 115	
								PULLED:					
								115012	772.00		09-27-04	IN ASSY	
								PULLED:					
								128281	100.00		04-13-05		
								PULLED:					
6	NAS1352N3-8 HARDWARE ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-6		0.00				
								PULLED:					
				RSVD	1.00	114833	SKCF2	114833	21.00		09-23-04		
								PULLED:					
7	CV-2946 RTV,NUSIL TECH ORIGINAL QUANTITY...	OZ	1.00 1.00				SK2 FN-7		0.00				
								PULLED:					
				BO	1.00		SKCF2		0.00				
								PULLED:					

(NEW)

WORK ORDER : 113112 — WORK ORDER PICK LIST — PAGE: 2

ASSY # : LAT-DS-01481 — BY LINE ITEM — EFFECTIVITY DATE: 04-26-05
WO QUANTITY : 1 — RELEASE DATE : 04-04-05
SHIP LOCATION: WO2 — DATE PRINTED : 04-27-05

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE LOT LIFE	BIN BINLOC	BIN QUANTITY
8	0151 ADHESIVE; HYSOL,4OZ KIT ORIGINAL QUANTITY...	OZ	1.00 1.00				SK2 FN-8		0.00			
								PULLED:				
				BO	1.00		SKCF2		0.00			
								PULLED:				
9	CAT-L-INK INK ORIGINAL QUANTITY...	OZ	1.00 1.00				SK2 FN-9		0.00			
								PULLED:				
				BO	1.00		SKCF2		0.00			
								PULLED:				
10	LAT-DS-05535 LABEL, SN ORIGINAL QUANTITY...	EA	1.00 1.00				SK2 FN-10		0.00			
								PULLED:				
				BO	1.00		SKCF2		0.00			
								PULLED:				

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

PN# LAT-DS-01646
GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

=SERIAL NUMBER ==========

GT111 GLAT1762

=APPROVAL ===

PROD: KH 2/3/05

QA: [illegible] 2-3-05

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

SLAC QAR MAY CHOOSE TO AUDIT/OBSERVE PROCESS PERFORMANCE

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

INDICATE OBSERVATIONS BY STAMP MARKING AT THE STEP.

=glh 02.02.05==========

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

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

	DOCUMENT NUMBER	REV FD/PL	OUTSTANDING EO'S
ASSY DWG:	LAT-DS-01646	~~56~~ 57	NONE
BOM PL:	LAT-TD-02230	54	NONE
CUST SOW:	LAT-PS-02615	02	NONE
ASSY AID:	LAT-DS-01646	--	(RELEASED PER EC 2283)

CUSTOMER NAME: SLAC (STANFORD LINEAR ACCELERATOR CENTER)
* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * *
USE... WORK ORDER, CONTROLLED ASSEMBLY AID, & DRAWINGS.
*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.02.05 *

~~MS~~ 6-20-05

DATE....	QTY..	REMARKS.....	STATUS
2-3-05			

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

* PROCESS PER CAA STEP 2.

* ALL HARDWARE, NON-SMT PARTS, AND CONSUMABLE MATERIALS, ARE TO BE COLLECTED AND MOVED TO POST-SMT PROCESSING.

* ALL SMT PARTS ROUTE THROUGH THE SMT DRY ROOM.

DATE....	QTY..	REMARKS.....	STATUS
2/4/05	1		

ESD SENSITIVE

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

Y/PN# LAT-DS-01646
, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

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

4	213		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 1648
2-7-05		out	OK

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

* PROCESS PER CAA STEP 5.

* RECORD SOLDER PASTE DATA BELOW:

GTC PO# 31728 EXPIRATION DATE 7/14/05

DATE....	QTY..	REMARKS.....	STATUS
2-9-05	1		BF

U56 - .0059
U55 - .0060
R391 - .0061
C361 - .0065
C374 - .0060
U53 - .0065
U52 - .0064
U58 - .0064

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

../PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
6	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: PULLED #'s FROM GT109 2/9/05

FN-19 U3 ~~1754~~ U4 ~~1733~~ U5 ~~1685~~ U6 ~~1747~~

FN-23 U54 ~~1698~~ U55 ~~1663~~ U56 ~~1664~~ U57 ~~1733~~

U58 ~~1682~~ U59 ~~1668~~ U60 ~~1670~~ U61 ~~1700~~

U3 1751 U4 1812 U5 1683
U54 1699 U55 1842 U56 1732
U58 1688 U59 1693 U60 1735
U6 1684
U57 1718
U61 1740

DATE	QTY	REMARKS	STATUS
2-09-05	1	TRAVELER	BF

7	213		00	SMT ASSY LINE SOLDER REFLOW	0.5000	0.5000	0.5000	

* PROCESS PER CAA STEP 7.

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

DATE	QTY	REMARKS	STATUS
2905	1		BF

8	213		00	SMT ASSY LINE AQUEOUS CLEAN	0.1000	0.1000	0.1000	

* PROCESS PER CAA STEP 8.

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

DATE	QTY	REMARKS	STATUS
2905	1		BF

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

./PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

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

9 290 00 QUALITY ASSURANCE AREA 0.4400 0.4400 0.4400
OPE: SLDR-4163 ASSY-5203

* PROCESS PER CAA STEP 9.

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

DRR#(S) 29343

DATE....	QTY..	REMARKS.....	STATUS
2/11/05	1	111	

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

* PROCESS PER CAA STEP 10.

BAKE DATE: 3/30/05 START: 7:40 STOP: 9:40

DATE....	QTY..	REMARKS.....	STATUS
3/30/05	1		1337

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

* PROCESS PER CAA STEP 11.

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

TOOL # STC-E-944 CAL DUE DATE 8/05

DATE....	QTY..	REMARKS.....	STATUS
3/30/05	1		1337

12 215 00 WAVESOLDER 0.5000 0.5000 0.5000
WAVE SOLDER

* PROCESS PER CAA STEP 12.

DATE....	QTY..	REMARKS.....	STATUS
3-30-05	1	good flow	RU1234
3.30.05	1		TS

WORK CELL: 4-MIXED CUSTOMER: SLAC

T... PRODUCTION WORK ORDER TRAVELLER - NEW

A.../PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011 PAGE 5
REQ DATE 02-03-05 CUST P#
REL.DATE 12-21-04 QTY 1
SO# PROJECT# F17200
PO# 0000048799 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
13	215		00	WAVESOLDER AQUEOUS CLEAN	0.2000	0.2000		0.2000

* PROCESS PER CAA STEP 13.

DATE	QTY	REMARKS	STATUS
3-30-05	1	Clean 111	PM 1923

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
14	290		00	QUALITY ASSURANCE AREA OFE: SLDR-600 ASSY-55	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 14.

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

DRR#(S) 30431

DATE	QTY	REMARKS	STATUS
3/30/05	1		PD 8: OLD

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

* PROCESS PER CAA STEP 15.

DATE	QTY	REMARKS	STATUS
3/31/05	1		me 1337

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

* PROCESS PER CAA STEP 16.

DATE	QTY	REMARKS	STATUS
3/31/05	1		me 1331

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

../PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
17	290		00	QUALITY ASSURANCE AREA OFE: SLDR-200 ASSY-0	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 17.

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

DRR#(S) S/N 111

DATE	QTY	REMARKS	STATUS
3/31/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
18	210		00	CCA/BLACK BOX ASSY AREA POST WAVE ASSY-FPGAs	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 18.

ADHESIVE PO# 31450 EXP. DATE: 5/17/05

FPGA SERIAL #'S: U45 40566 U62 50199

DATE	QTY	REMARKS	STATUS
5/4/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
19	210		00	CCA/BLACK BOX ASSY AREA SOLDER FPGA LEADS	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 19.

DATE	QTY	REMARKS	STATUS
5/5/05	1		1337

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
20	210		00	CCA/BLACK BOX ASSY AREA POST WAVE ASSY-D3, D4, D5	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 20.

DATE	QTY	REMARKS	STATUS
5/5/05	1		1337

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

..Y/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
21	210		00	CCA/BLACK BOX ASSY AREA POST WAVE ASSY-R1, R2	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 21.

DATE	QTY	REMARKS	STATUS
5/5/05	1	S/N 111	1337

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
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
5/5/05	1		V.G. 1337

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
290			00	QUALITY ASSURANCE AREA OFE: SLDR-217 ASSY-236	0.2000	0.2000		0.2000

* PROCESS PER CAA STEP 23.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
5/6/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
24	265		00	SPEA ICT SPEA TEST	0.9100	0.9100		0.9100

* PROCESS PER CAA STEP 24.

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

TDRR#(S) _____

DATE	QTY	REMARKS	STATUS
5/6/05	1	GT111 M. Lee	PASS

WORK CELL: 4-MIXED CUSTOMER: SLAC

[illegible]: PRODUCTION WORK ORDER TRAVELLER - NEW

[illegible]/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011 PAGE 8
REQ DATE 02-03-05 CUST P#
REL.DATE 12-21-04 QTY 1
SO# PROJECT# F17200
PO# 0000048799 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
25	210		00	CCA/BLACK BOX ASSY AREA		13.8300	14.8300	13.8300

INSTALL CONNECTOR-SOLDER

SLDR CONN J1-ROW 1>CHECK 5/9/05 me1337 – 05-09-05 M.D.

SLDR-CONN J1-ROW 2>CHECK 5/9/05 me1337 – 05-09-05 M.D.

SLDR-CONN J1-ROW 3>CHECK 5/9/05 me1337 – 05-09-05 M.D.

SLDR-CONN J1-ROW 4>CHECK 5/9/05 me1337 – 05-10-05 M.D.

* PROCESS PER CAA STEP 25.

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

TOOL # GTC E-944 CAL DUE DATE 8/05

DATE	QTY	REMARKS	STATUS

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
26	290		00	QUALITY ASSURANCE AREA		5.6800	5.6800	5.6800

OPE: SLDR-396 ASSY-405

* PROCESS PER CAA STEP 26.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
3/10/05	1		GTC

WORK CELL: 4-MIXED CUSTOMER: SLAC

[illegible]: PRODUCTION WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
27	250		00	COATING/POTTING AREA POTTING/STAKING	0.6000	0.6000	0.6000	

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

RTV DC6-1104; GTC PO# 31695 EXPIRATION DATE 8-21-05
ADHSV 0151; GTC PO# 31403 EXPIRATION DATE 1-31-07

0151 ADHESIVE MIX RECORD (RECORD PER BATCH)

	BATCH #1	BATCH #2	BATCH #3	BATCH #4
RESIN WGHT:	6.5g			
HARDENER WGHT:	2.0g			

CURE DATE: 5-13-05 START: ~~7:45~~ 10:10 STOP: ~~9:45~~ 12:10

DATE	QTY	REMARKS	STATUS
5-13-05	1	oven cured @ 120°F	P.O. 1946

290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-104	0.1000	0.1000	0.1000	

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
5/10/05	1		

29	280		00	SOURCE INSPECTION MIP - SLAC QAR INSPECTION BEFORE SHIPMENT TO SLAC.	0.0000	0.0000	0.0000	

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

DATE	QTY	REMARKS	STATUS
5-12-05	1	GLAT 1762	

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
					HOURS			
30	299		00	PACKAGING/SHIPPING INSP PACK & SHIP CCA	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 30.

DATE	QTY	REMARKS	STATUS
5/19/05	1		SC-1507

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
31	290		00	QUALITY ASSURANCE AREA CCA RECEIVING INSPECTION	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 31.

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

DRR#(S) _____

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

DATE	QTY	REMARKS	STATUS
6/20/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP	RUN	LINE-MACH	ST-LOT
32	280		00	SOURCE INSPECTION SLAC QAR PRE-COAT INSP. MANDATORY INSPECTION POINT	0.0000	0.0000		0.0000

* PROCESS PER CAA STEP 32.

DATE	QTY	REMARKS	STATUS
6/23/05	1	GLAT 1762	

WORK CELL: 4-MIXED CUSTOMER: SLAC

[illegible]: PRODUCTION WORK ORDER TRAVELLER - NEW

[illegible]/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011 PAGE 11
REQ DATE 02-03-05 CUST P#
REL.DATE 12-21-04 QTY 1
SO# PROJECT# F17200
PO# 0000048799 CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... LINE-MACH HOURS	ST-LOT. HOURS
33	210		00	CCA/BLACK BOX ASSY AREA ALCOHOL/DI CLEAN AND TEST THE CLEANLINESS OF CCA.	0.2000	0.2000	0.2000

* PROCESS PER CAA STEP 33.

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

* ATTACH CLEANLINESS TEST RECORD TO WORK ORDER.

DATE	QTY	REMARKS	STATUS
6/23/05	1		AL1576
6/23/05	1	TEST CLEAN	QN

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... LINE-MACH HOURS	ST-LOT. HOURS
34	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-11	0.0000	0.0000	0.0000

* PROCESS PER CAA STEP 34.

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

DRR#(S) _____

DATE	QTY	REMARKS	STATUS
6/24/05	1		

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... LINE-MACH HOURS	ST-LOT. HOURS
35	250		00	COATING/POTTING AREA MASK & CONFORMAL COATING	0.6000	0.6000	0.6000

* PROCESS PER CAA STEP 35.

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

RECORD BAKE DATE-TIME START/STOP BELOW:

BAKE DATE: 6/24/05 START: 7:10AM STOP: 8:30

DATE	QTY	REMARKS	STATUS
6/24/05	1	MASK/BAKE	

WORK CELL: 4-MIXED CUSTOMER: SLAC

TYPE: PRODUCTION WORK ORDER TRAVELLER - NEW

A_ , PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN... LINE-MACH	HOURS ST-LOT.
36	250		00	COATING/POTTING AREA SPRAY CONFORMAL COAT	0.0000	0.0000	0.0000

* PROCESS PER CAA STEP 36.

CONFORMAL COAT MATERIAL PO#: 31201

EXP. DATE: 6/30/05

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

DATE: 6/24/05 START: 8:55AM STOP: 11:55AM

DATE....	QTY..	REMARKS.....	STATUS
6/24/05	1	Coat	DM/1035

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

* PROCESS PER CAA STEP 37.

FIRST... BAKE DATE: 6/24/05 START: 11:55AM STOP: 12:55pm

TOUCHUP... BAKE DATE: 6-24-05 START: 1:30pm STOP: 2:30pm

DATE....	QTY..	REMARKS.....	STATUS
6-24-05	1	Demask	IHW
		touch coat	QW

WORK CELL: 4-MIXED CUSTOMER: SLAC

[illegible]: PRODUCTION WORK ORDER TRAVELLER - NEW

[illegible]/PN# LAT-DS-01646
CCA, GLAST, TEM

WO# 112011
REQ DATE 02-03-05
REL.DATE 12-21-04
SO#
PO# 0000048799

CUST P#
QTY 1
PROJECT# F17200
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
38	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-95	0.5000	0.5000		0.5000

* PROCESS PER CAA STEP 38.

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

DRR#(S) _____

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

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

DATE	QTY	REMARKS	STATUS
6/21/05	1		GTC IS QA

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

* PROCESS PER CAA STEP 39.

ID # 32958

NOTE: NEXT ASSEMBLY IS LAT-DS-01481.

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

DATE	QTY	REMARKS	STATUS
62705	1	INSSUFICIENT COATING	LAT QA 10 REJ
		NEAR AREA OF	
		ID MARKING	LAT 10 QA 6.21.05

(NEW)

WORK ORDER : 112011 — WORK ORDER PICK LIST — PAGE: 1

MBLY # : LAT-DS-01646
ANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVTORY DETAIL LOT QUANTITY	LOT DATE / LOT LIFE	BIN BINLOC	BIN QUANTITY
1	LAT-DS-01649 PWB, TEM ORIGINAL QUANTITY...	EA	1.00 1.00	RSVD	1.00	120299	SKCF2 FN-D1	120299 PULLED:	18.00	09-11-07		1
2	LAT-DS-01026 PLATE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00 1.00	RSVD	1.00	114784	SKCF2 FN-D6	114784 PULLED:	18.00	06-19-07		1
3	LAT-DS-01031 PIN, CONNECTOR, TEM ORIGINAL QUANTITY...	EA	2.00 2.00	RSVD	2.00	114785	SKCF2 FN-D7	114785 PULLED:	38.00	06-19-07		2
4	NAS1352N02-8 SCREW ORIGINAL QUANTITY...	EA	26.00 26.00	RSVD	26.00	114786	SKCF2 FN-D3	114786 PULLED:	546.00	09-23-04		26
5	LAT-DS-03582 STANDOFF ORIGINAL QUANTITY...	EA	2.00 2.00	RSVD	2.00	114787	SKCF2 FN-D5	114787 PULLED:	38.00	09-23-04		2
6	MS51957-13 SCREW, PNHD, 4-40 X .25 ORIGINAL QUANTITY...	EA	2.00 2.00	RSVD	2.00	93945	SKCF2 FN-D10	93945 PULLED:	291.00	11-24-03 C3F		
							FN-D10	114788 PULLED:	78.00	09-23-04		2
	NAS620-C2 FLATWASHER ORIGINAL QUANTITY...	EA	52.00 52.00	RSVD	52.00	114789	SKCF2 FN-D2	114789 PULLED:	1052.00	09-23-04		52
8	MS24671-2 SCREW ORIGINAL QUANTITY...	EA	4.00 4.00	RSVD	4.00	114790	SKCF2 FN-D8	114790 PULLED:	84.00	09-23-04		4
9	NAS671-C2 NUT ORIGINAL QUANTITY...	EA	26.00 26.00	RSVD	26.00	114791	SKCF2 FN-D4	114791 PULLED:	520.00	09-23-04		26
10	LAT-DS-02588 ASSY, CABLE, CONN, TEM ORIGINAL QUANTITY...	EA	1.00 1.00	BO	1.00		SKCF2 FN-(D9)	25 J1 PULLED:	0.00			0
11	0151 ADHESIVE; HYSOL,4OZ KIT ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-D11	PULLED:	0.00			0
12	CV-2946 RTV,NUSIL TECH ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-D12	PULLED:	0.00			0
13	5750 CONFORMAL COATING URELANE ORIGINAL QUANTITY...	OZ	1.00 1.00	BO	1.00		SKCF2 FN-D13	PULLED:	0.00			0

(NEW)

WORK ORDER : 112011 — WORK ORDER PICK LIST — PAGE: 2

MBLY # : LAT-DS-01646
UANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	LOT INVLOC NUMBER	LOT QUANTITY	LOT LIFE	LOT DATE	BIN BINLOC	QUANTITY
14	DC6-1104 ADHESIVE	OZ	1.00	BO	1.00		SKCF2 FN-D14	0.00				0
	ORIGINAL QUANTITY...		1.00				PULLED:					
15	CWR11FH105KDB CAPACITOR	EA	36.00	RSVD	36.00	120284	SKCF2 120284 FN-1 C301 C302 C303 C304 C305 C307 C308 C309 C310 C311 C312 C313 C314 C315 C316 C317 C318 C319 C320 C321 C323 C324 C325 C326 C335 C339 C340 C378 C379 C380 C381 C382 C383 C384 C385 C386	1980.00	12-16-04		36
	ORIGINAL QUANTITY...		36.00				PULLED:					
16	CWR11FH475KDB CAPACITOR	EA	2.00	RSVD	2.00	120285	SKCF2 120285 FN-2 C341 C342	2000.00	12-16-04			2
	ORIGINAL QUANTITY...		2.00				PULLED:					
17	CDR33BX473AKUS CAPACITOR	EA	53.00	RSVD	53.00	114799	SKCF2 114799	2235.00	09-23-04			53
	ORIGINAL QUANTITY...		53.00				PULLED:					
							114942	333.00	09-27-04			
							PULLED:					
18	CWR09FC476KDB CAPACITOR	EA	49.00	RSVD	49.00	114800	SKCF2 114800 FN-4 C214 C215 C216 C218 C219 C220 C277 C278 C279 C280 C281 C282 C283 C284 C285 C286 C291 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C357 C358 C359 C360 C361 C362 C363 C364 C365 C366 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 C377	1137.00	09-23-04		49
	ORIGINAL QUANTITY...		49.00				PULLED:					
							114943 FN-4 C214 C215 C216 C218 C219 C220 C277 C278 C279 C280 C281 C282 C283 C284 C285 C286 C291 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C357 C358 C359 C360 C361 C362 C363 C364 C365 C366 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 C377	1900.00	09-27-04		
							PULLED:					
19	CDR31BX472BKUS CAPACITOR	EA	249.00	RSVD	249.00	114801	SKCF2 114801 FN-5 C1 thru C200, C217, C221 thru C247, C387 thru C407.	5004.00	09-23-04			249
	ORIGINAL QUANTITY...		249.00				PULLED:					
20	1210B563K251YHTM CAPACITOR	EA	16.00	RSVD	16.00	114802	SKCF2 114802 FN-6 C21 C202 C203 C343 C344 C345 C346 C347 C348 C349 C350 C351 C352 C353 C354 C356	1168.00	09-23-04			16
	ORIGINAL QUANTITY...		16.00				PULLED:					
21	MCR-1051-1B1 CONNECTOR	EA	9.00	RSVD	9.00	114803	SKCF2 114803 FN-7 JS1 JT0 JT1 JT2 JT3 JT4 JT5 JT6 JT7	180.00	09-23-04			9
	ORIGINAL QUANTITY...		9.00				PULLED:					
22	MCR-1069-1B1 CONNECTOR	EA	4.00	RSVD	4.00	114804	SKCF2 114804 FN-8 JC0 JC1 JC2 JC3	80.00	09-23-04			4
	ORIGINAL QUANTITY...		4.00				PULLED:					
23	5962-8759406XA IC,LM185BYH-2.5,NSC	EA	3.00	RSVD	3.00	114805	SKCF2 114805 FN-9 D3 D4 D5	60.00	09-23-04			3
	ORIGINAL QUANTITY...		3.00				PULLED:					
24	JANTXV1N4153UR-1 DIODE	EA	2.00	RSVD	2.00	114806	SKCF2 114806 FN-10 D1 D2	40.00	09-23-04			2
	ORIGINAL QUANTITY...		2.00				PULLED:					
							114949 FN-10 D1 D2	252.00	09-27-04			
							PULLED:					

(NEW)

WORK ORDER : 112011 — WORK ORDER PICK LIST — PAGE: 3

MBLY # : LAT-DS-01646
UANTITY : 1
LOCATION: WO2

BY LINE ITEM

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION.....	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN QUANTITY..	LOT #	INVLOC	LOT NUMBER	LOT QUANTITY..	LOT DATE / LOT LIFE	BIN	BINLOC QUANTITY..
25	SMD050 FUSE,RAYCHEM/POLYSWICH ORIGINAL QUANTITY...	EA	4.00 4.00	RSVD	4.00	114807	SKCF2 FN-12 F2 F4 F6 F8 PULLED:	114807	100.00	09-23-04		4
26	SMDO75 IC ORIGINAL QUANTITY...	EA	4.00 4.00	RSVD	4.00	114926	SKCF2 FN-13 F3 F5 F7 F9 PULLED:	114926	100.00	09-24-04		4
27	MAX145AEUA IC ORIGINAL QUANTITY...	EA	36.00 36.00	RSVD	36.00	120286	SKCF2 FN-15 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 PULLED:	120286	481.00	12-16-04		36
							SKCF2 FN-15 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 PULLED:	114809	204.00	09-23-04		
28	MAX5121AEEE IC ORIGINAL QUANTITY...	EA	2.00 2.00	RSVD	2.00	114810	SKCF2 FN-16 U1 U2 PULLED:	114810	47.00	09-23-04		2
29	LAT-DS-03895 IC ORIGINAL QUANTITY...	EA	1.00 1.00	BO	1.00	2/11/05 lot# 123759	SKCF2 FN-17 U45 PULLED:		0.00			0
	LAT-DS-03894 IC ORIGINAL QUANTITY...	EA	1.00 1.00	BO	1.00	2/11/05 lot# 123758	SKCF2 FN-18 U62 PULLED:		0.00			0
31	LAT-TD-01814 IC ORIGINAL QUANTITY...	EA	4.00 4.00	RSVD	4.00	114813	SKCF2 FN-19 U3 U4 U5 U6 PULLED:	114813	82.00	09-23-04		4
32	5962R9568101VXC IC ORIGINAL QUANTITY...	EA	1.00 1.00	RSVD	1.00	114814	SKCF2 FN-20 U63 PULLED:	114814	32.00	09-23-04	DRY-10	1
33	5962R985203QYC IC ORIGINAL QUANTITY...	EA	5.00 5.00	BO	5.00		SKCF2 FN-22 U46 U47 U48 U53 U64 PULLED:		0.00			0
34	LAT-TD-01812 IC ORIGINAL QUANTITY...	EA	8.00 8.00	RSVD	8.00	114816	SKCF2 FN-23 U54 U55 U56 U57 U58 U59 U60 U61 PULLED:	114816	162.00	09-23-04		8
35	H0705CPX000 THICK FILM JUMPER ORIGINAL QUANTITY...	EA	151.00 151.00	RSVD	151.00	114817	SKCF2 FN-26 R122 R123 R140 R141 R142 R144 R173 R176 R178 R180 thru R196 R201 thru R216 R225 thru R252 R254 thru R260 R265 R267 R268 R269 R270 R273 R274 R275 R276 R277 R280 thru R286 R660 thru R711 R743 R744 R746 R747 R754 PULLED:	114817	4396.00	09-23-04		151
							SKCF2 FN-26 R122 R123 R140 R141 R142 R144 R173 R176 R178 R180 thru R196 R201 thru R216 R225 thru R252 R254 thru R260 R265 R267 R268 R269 R270 R273 R274 R275 R276 R277 R280 thru R286 R660 thru R711 R743 R744 R746 R747 R754 PULLED:	114967	756.00	09-27-04		
36	M55342K06B1E00R RESISTOR,CHIP,.100W,1K OH ORIGINAL QUANTITY...	EA	55.00 55.00	RSVD	55.00	114818	SKCF2 FN-28 R4 R5 R6 R13 R14 R15 R16 R23 R24 R25 R26 R33 R34 R35 R36 R43 R44 R45 R46 R53 R54 R55 R56 R63 R64 R65 R66 R73 R74 R75 R76 R83 R84 R85 R86 R87 R88 R89 R96 R97 R98 R99 R100 R101 R102 R109 R110 R111 R112 R113 R114 R115 R136 R137 R138 PULLED:	114818	2225.00	09-23-04		55

(NEW)

WORK ORDER : 112011 WORK ORDER PICK LIST PAGE: 4

MBLY # : LAT-DS-01646 BY LINE ITEM EFFECTIVITY DATE: 02-03-05
JANTITY : 1 RELEASE DATE : 12-21-04
LOCATION: WO2 DATE PRINTED : 02-04-05

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION.....	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN QUANTITY..	LOT #	INVLOC	LOT NUMBER	LOT QUANTITY..	LOT DATE	LOT LIFE	BINLOC	BIN QUANTITY..
36	M55342K06B1E00R RESISTOR,CHIP,.100W,1K OH	EA	55.00					114976 FN-28 R4 R5 R6 R13 R14 R15 R16 R23 R24 R25 R26 R33 R34 R35 R36 R43 R44 R45 R46 R53 R54 R55 R56 R63 R64 R65 R66 R73 R74 R75 R76 R83 R84 R85 R86 R87 R88 R89 R96 R97 R98 R99 R100 R101 R102 R109 R110 R111 R112 R113 R114 R115 R136 R137 R138 PULLED:	178.00	09-27-04		
	Cont from prior page.												
37	M55342K06B1F00R RESISTOR,CHIP.100W,1M OHM	EA	2.00	RSVD	2.00	114819	SKCF2	114819 FN-29 R174 R175 PULLED:	690.00	09-23-04			
	ORIGINAL QUANTITY...		2.00					114977 FN-29 R174 R175 PULLED:	217.00	09-27-04			
38	M55342K09B10F0R RESISTOR	EA	2.00	RSVD	2.00	114820	SKCF2	114820 FN-32 R165 R166 PULLED:	136.00	09-23-04			
	ORIGINAL QUANTITY...		2.00					114988 FN-32 R165 R166 PULLED:	212.00	09-27-04			
39	M55342K06B22D1R RESISTOR	EA	205.00	RSVD	205.00	114821	SKCF2	114821 FN-R152 thru R164 R303 R421 thru R435 R438 thru R453 R456 thru R471 R474 thru R489 R492 thru R507 R510 thru R525 R528 thru R543 R546 thru R561 R564 thru R579 R582 thru R597 R600 thru R615 R618 thru R633 PULLED:	5180.00	09-23-04			
	ORIGINAL QUANTITY...		205.00										
	M55342K06B100DR RESISTOR,CHIP.100W,100 OH	EA	60.00	RSVD	60.00	114822	SKCF2	114822 FN-35 R126 R128 R135 R301 R302 R407 thru R420 R436 R437 R454 R455 R472 R473 R490 R491 R508 R509 R526 R527 R544 R545 R562 R563 R580 R581 R598 R599 R616 R617 R634 R635 R636 R637 R638 R639 R644 R645 R646 R647 R731 R732 R733 R734 R735 R736 R737 R738 PULLED:	4508.00	09-23-04			
	ORIGINAL QUANTITY...		60.00					114998 FN-35 R126 R128 R135 R301 R302 R407 thru R420 R436 R437 R454 R455 R472 R473 R490 R491 R508 R509 R526 R527 R544 R545 R562 R563 R580 R581 R598 R599 R616 R617 R634 R635 R636 R637 R638 R639 R644 R645 R646 R647 R731 R732 R733 R734 R735 R736 R737 R738 PULLED:	6.00	09-27-04		
41	M55342K06B100ER RESISTOR,CHIP,.100W,100K	EA	50.00	RSVD	50.00	114823	SKCF2	114823 FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R366 R367 R368 R375 R377 thru R386 R397 R398 R399 R400 R401 R404 R405 R406 PULLED:	2236.00	09-23-04	S9G		
	ORIGINAL QUANTITY...		50.00					114999 FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R366 R367 R368 R375 R377 thru R386 R397 R398 R399 R400 R401 R404 R405 R406 PULLED:	160.00	09-27-04			
								96596 FN-36 R304 thru R319 R332 R333 R334 R335 R336 R337 R338 R339 R343 R350 R358 R359 R366 R367 R368 R375 R377 thru R386 R397 R398 R399 R400 R401 R404 R405 R406 PULLED:	40.00	01-08-04			
42	M55342K06B200DR RESISTOR	EA	2.00	RSVD	2.00	114824	SKCF2	114824 FN-37 R402 R403 PULLED:	192.00	09-23-04			
	ORIGINAL QUANTITY...		2.00										
	S311P18-09S7R6 THERMISTOR, 30K	EA	2.00	RSVD	2.00	114825	SKCF2	114825 FN-41 R1 R2 PULLED:	38.00	09-23-04			
	ORIGINAL QUANTITY...		2.00					115004 FN-41 R1 R2 PULLED:	46.00	09-27-04			
	5962R9865103QYC	EA	4.00	RSVD	4.00	120289	SKCF2	120289	80.00	12-16-04			

ORIGINAL QUANTITY... 4.00

PULLED:

114826 4.00 09-23-04 DRY-10

FN-21 U49 U50 U51 U52

PULLED:

(NEW)

WORK ORDER : 112011 — WORK ORDER PICK LIST — PAGE: 5

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

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	RESV QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE LOT LIFE	BIN BINLOC	BIN QUANTITY
45	M55342K06B49D9R RESISTOR,CHIP,.100W,49.9	EA	4.00	RSVD	4.00	114827	SKCF2	114827	234.00	09-23-04		
	ORIGINAL QUANTITY...		4.00				FN-34	R648 R649 R650 R651				
								PULLED:				4
								36398	17.00	03-23-00	CF3D	
							FN-34	R648 R649 R650 R651				
								PULLED:				
46	M55342K09B1F00R RESISTOR	EA	2.00	RSVD	2.00	114828	SKCF2	114828	88.00	09-23-04		
	ORIGINAL QUANTITY...		2.00				FN-27	R391 R392				
								PULLED:				2
								114969	229.00	09-27-04		
							FN-27	R391 R392				
								PULLED:				
47	M55342K06B5E11R RESISTOR	EA	2.00	RSVD	2.00	114829	SKCF2	114829	240.00	09-23-04		
	ORIGINAL QUANTITY...		2.00				FN-30	R642 R643				
								PULLED:				2
								114983	232.00	09-27-04		
							FN-30	R642 R643				
								PULLED:				
48	M55342K06B10E0R RESISTOR,CHIP,.100W,10K O	EA	23.00	RSVD	23.00	114830	SKCF2	114830	615.00	09-23-04	CF2C	
							FN-31	R3 R145 R146 R147 R148 R149 R150				
								R151 R167 R168 R171 R172 R177 R179 R296				
								R640 R641 R478 R749 R750 R751 R752 R753				
	ORIGINAL QUANTITY...		23.00					PULLED:				
								114987	657.00	09-27-04		
							FN-31	R3 R145 R146 R147 R148 R149 R150				
								R151 R167 R168 R171 R172 R177 R179 R296				
								R640 R641 R478 R749 R750 R751 R752 R753				
								PULLED:				23
								91324	58.00	09-24-03		
							FN-31	R3 R145 R146 R147 R148 R149 R150				
								R151 R167 R168 R171 R172 R177 R179 R296				
								R640 R641 R478 R749 R750 R751 R752 R753				
								PULLED:				

REWORK TRAVELER

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

SSEMBLY NAME: TEM CCA	QTY: 1

APPROVAL	Original signed editions reserved for copying						
G.POZZI 4-18-05		G.HEFFNER 4.18.05		K. BERGTHOLDT 4/19/05		P. LUJAN	
PREPARED BY	DATE	ENG MGR SUP	DATE	QA MGR EAL	DATE	SLAC SOURCE	DATE 4.19.05

STEP	OPERATION	Operator Sign Off.	Date	Time spent
1	Record serial numbers: TEM LAT-DS-01646 SN GT-111 GLAT-_____			
2	**OPERATOR:** INSPECT FOR CLEANLINESS AND DEBRIS USE A SOLUTION OF 75% ALCOHOL AND 25% DE-IONIZED WATER. PLACE BOARDS INTO SOLUTION AND USE A SOFT BRISTLE BRUSH TO REMOVE ALL SOLDER BALLS. VIEW BOARDS UNDER A 10X SCOPE AND RECLEAN UNTIL ALL SOLDER BALLS HAVE BEEN REMOVED. **NO SOLDER BALLS ALLOWED.**	1337	4/21/05	
3	AQUEOUS CLEAN USING RECIPE #3	1337	2/22/05	
4	**INSPECTION:** INSPECT FOR BOARD CLEANLINESS. **NO SOLDER BALLS ALLOWED.**	1337	2/22/05	
5	**SOURCE INSPECTION**	LAT IO QA	5/5/05	

DEFECT RECORD REPORT

ID: 30431

PART NUMBER: LAT-DS-01646
WORK ORDER: 112011
SALES ORDER: F17200
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: SLAC

INSPECTION TYPE: HAND SOLDER
INSPECTION LEVEL: I
INSPECTOR: EMARTINEZ

OFE SOLDER: 600
OFE ASSEMBLY: 55
DATE: 3/31/2005
WEEK CODE: 15

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
111	1	692	S406		EXCESS SOLDER	JC1	

mc 1337 3/31/05

3/31/05

DEFECT RECORD REPORT

ID: 29343

PART NUMBER: LAT-DS-01646
WORK ORDER: 112011
SALES ORDER: F17200
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: 112011

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

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

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
111	4		S402		INSUFFICIENT SOLDER	U5	
111	4		S402		INSUFFICIENT SOLDER	U59	
111	4		S402		INSUFFICIENT SOLDER	U57	
111	2		S402		INSUFFICIENT SOLDER	U9	PINS 5,8
111	3		A341		COPLANARITY / LEAD NOT SEATED PROPE	U63	PINS 7,8,10

mc 1337 3/23/05

3/29/05

DEFECT RECORD REPORT

ID: 29343

PART NUMBER: LAT-DS-01646
WORK ORDER: 112011
SALES ORDER: F17200
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: 112011

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

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

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
111	4		S402		INSUFFICIENT SOLDER	U55	
111	2		S402		INSUFFICIENT SOLDER	U25	PINS 5,8
111	1		S402		INSUFFICIENT SOLDER	U27	PIN 5
111	1		S402		INSUFFICIENT SOLDER	U29	PIN 5
111	3		S402		INSUFFICIENT SOLDER	U4	
111	2		S402		INSUFFICIENT SOLDER	U39	PINS 5,8
111	4		S402		INSUFFICIENT SOLDER	U54	
111	4		S402		INSUFFICIENT SOLDER	U41	PIN 5
111	4		S402		INSUFFICIENT SOLDER	U11	PIN 1
111	1		S402		INSUFFICIENT SOLDER	U40	PIN 5
111	1		S402		INSUFFICIENT SOLDER	U22	PIN 8
111	4		S402		INSUFFICIENT SOLDER	U56	
111	4		S402		INSUFFICIENT SOLDER	U3	
111	2		S402		INSUFFICIENT SOLDER	U61	
111	4		S402		INSUFFICIENT SOLDER	U6	
111	4		S402		INSUFFICIENT SOLDER	U60	
111	3		S402		INSUFFICIENT SOLDER	U58	

1337
3/23/05 3/29/05

DEFECT RECORD REPORT

ID: 32958

PART NUMBER: LAT-DS-01646
WORK ORDER: 112011
SALES ORDER: F17200
QUANTITY: 1 **RW QTY:** 1
CUSTOMER: SLAC

INSPECTION TYPE: CUSTOMER SOURCE
INSPECTION LEVEL: I
INSPECTOR: EMARTINEZ

OFE SOLDER: 0
OFE ASSEMBLY: 0
DATE: 6/27/2005
WEEK CODE: 28

SERIAL NO.	QUANTITY	OPERATOR	DEFECT CODE	WORKCELL	DEFECT DESCRIPTION	REF DES	PIN NOTES
GT111	1	1856	A308	1-BIG RUNNER	MISSING COATING / POTTING / BONDING		

(1) TJ Coat 6/27/05 SRB

6/27/05

WESTEK

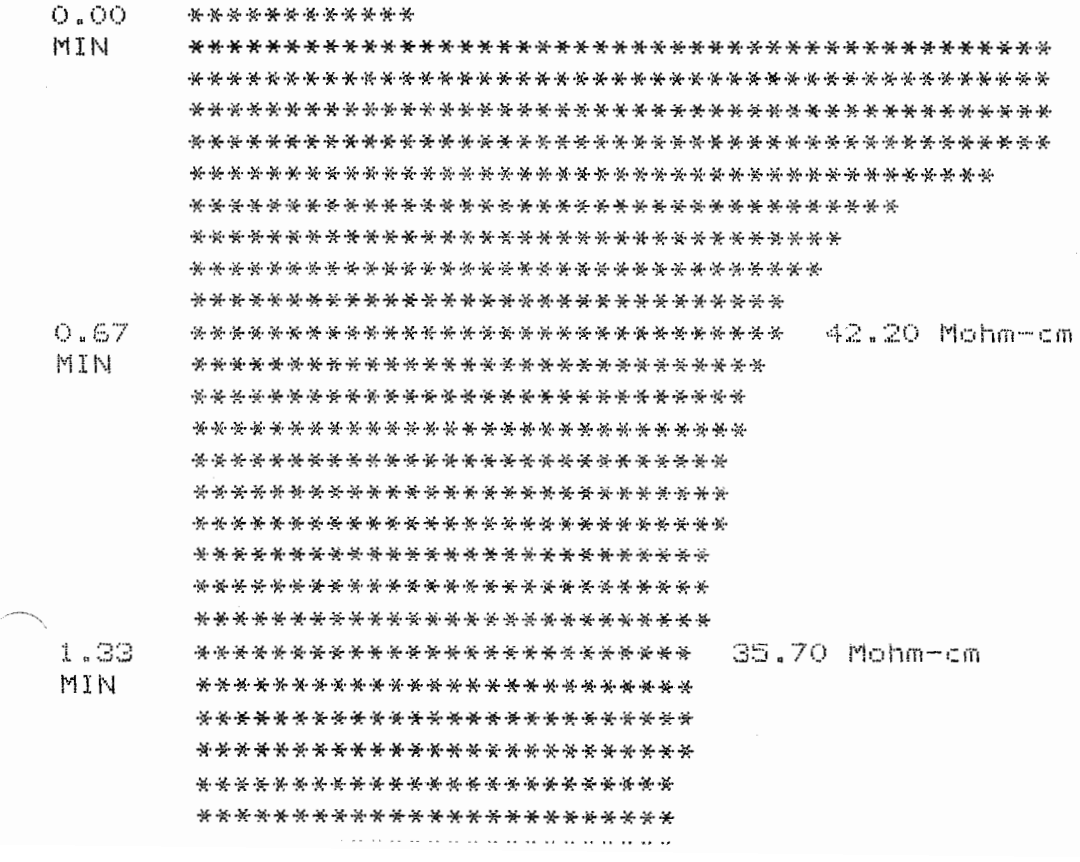
Operator :quyen
06/23/05
16:15:24

Test Type : Auto
Test name : 'Manual Test'
Board # gt111 has P A S S E D

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

Initial Resistivity : 45.70 Mohm-cm
NaCl Equivalence (Final) : 1.40 ug/sq in

TIME vs RESISTIVITY



< CELL: 4-MIXED CUSTOMER: SLAC

E. DUCTION WORK ORDER TRAVELLER - NEW

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

WO# 112044 PAGE 1
REQ DATE 02-08-05
REL.DATE 02-02-05
SO#
PO# 0000048800

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

=SERIAL NUMBER LISTING:==========

N/A

======APPROVAL==

PROD: [illegible] 2/8/05

QA MM 2-9-05

=WORKMANSHIP:==========

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

--LOT-- NO.	LOT-QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV &DATE
A	15	N/A	3		mm 3/1/05
B	4	N/A	3	To make.	mm 3/8/05
A2	2	N/A	6	To move	mm 3/18/05
A1B	2	N/A	7	To move	mm 3/28/05
A1A2	6	N/A	7	To move	3/31/05

=(wohdr rev 05.19.04 glh)==========

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

1 200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

* * * * * * * * * CONFIGURATION DOCUMENTS * * * * * * * *
DOCUMENT NUMBER REV FD/PL OUTSTANDING EO'S
ASSY & PL: LAT-DS-02831 52 NONE
(REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION RQT)
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC
* * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * *
USE... TRAVELER AND DRAWING
*(REV'D)/PREP'D BY: GH (DATE)DATE: 02.03.05 *

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

ESD SENSITIVE

'K CELL: 4-MIXED CUSTOMER: SLAC

'E: PRODUCTION WORK ORDER TRAVELLER - NEW

S' LAT-DS-02831-01
S' BLE, TPS O/P PWR

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

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

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

DATE	QTY.	REMARKS	STATUS
2/9/05	19		

ORK CELL: 4-MIXED CUSTOMER: SLAC

F RODUCTION WORK ORDER TRAVELLER - NEW

SSY/PN# LAT-DS-02831-01 WO# 112044 PAGE 3
SSY, CABLE, TPS O/P PWR REQ DATE 02-08-05 CUST P#
REL.DATE 02-02-05 QTY 19
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

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

* CRIMP TEST SETUP - GTC-2081.

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

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

... USE ~~SCHLEUNIGER PNEUMATIC~~ WIRE STRIPPER SET UP WITH 24 AWG STRIP BLADES, A STRIP LENGTH OF ~~4/8" (.125")~~ 3/16 (.188) AND LEAVES THE INSULATION SLUG IN PLACE.

350
EUBANKS SMALL MODEL #4960-AM

* PRE-ASSY CRIMP TEST...

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

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

* ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
2) STRIP THE INSULATION LEAVING THE SLUG, ~~1/8" (.125")~~. 3/16 (.188) 2-15-05
3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
   * CUT 78 WIRES TO 8-1/2" (8.50") LONG.
4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".
5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD. USE M22520/2-01 CRIMPER W/ M22520-2-06 TURRET/LOCATOR.

3.16.05 crimp test H.6.#1941 pre-assy
3.17.05 crimp test H6#1941 pre-assy
3.18.05 post assy crimp test H.6.#1941

K-41

* POST-ASSY CRIMP TEST...

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

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

DATE	QTY	REMARKS	STATUS
2/15/05	4	78 wires x 4 = 312	RM1970
3.17.05	2	156 wires	
~~3/16/05~~	~~4~~	~~4 pcs~~	00.0

3.22.05 strip, tin, crimp H6#1941 (133)
3.22.05 strips H6.#1941 (815)
3.23.05 crimp, tin, clean H-6-#1941 (492)
3.28.05 tin & clean H.6.#1941 (315)

RK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112044 PAGE 4

SY/PN# LAT-DS-02831-01 REQ DATE 02-08-05 CUST P#
SY, CABLE, TPS O/P PWR REL.DATE 02-02-05 QTY 19
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

****

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

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

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

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

DRR#(S) ______

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4	78 wires X 4	
~~3.17.05~~	~~2~~	~~156 wires~~	GTC 30 QA ~~H.6. #1441~~
3/17/05	2	Strip & crimps	GTC 18 QA
3/22/05		Crimps & tin 13 wires	GTC 81 QA

checked strips 375 wires 3/22/05 + 1440 GTC 81 QA

Checked crimps & tin 3/24/05 GTC 18 QA

Checked wires for tinning (492) 315 Em 1574

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

* INSERT TERMINATED WIRES TO CONNECTOR IN ALL POSITIONS.

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

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4		RM 1970
3.17.05	2		H.6. #1441
3.24.05	2		H.6 #1441

3.25.05 (6) H.6 #1441

****

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

* INSPECT LEAD AND CONTACT INSERTION TO CONNECTOR.

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

DRR#(S) ______

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4	Inspect step 5	GTC 30 QA
3/17/05	2		GTC 18 QA
3/24/05	2		GTC 18 QA
3-25-05	6	Check socket retention	GTC 12 QA
4/21/05	5	" " "	GTC 81 QA

RK CELL: 4-MIXED CUSTOMER: SLAC

PE DUCTION WORK ORDER TRAVELLER - NEW

WO# 112044 PAGE 5
SY/PN# LAT-DS-02831-01 REQ DATE 02-08-05 CUST P#
SY, CABLE, TPS O/P PWR REL.DATE 02-02-05 QTY 19
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

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

* APPLY RTV, DC6-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").

* TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.

* ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.

* APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.

* RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:

PO# 31695 EXP. DATE 07/10/05

* CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (60 C).

* RECORD CURE DATE, START/STOP TIME BELOW:

DATE _____ START _____ STOP _____

DATE	QTY	REMARKS	STATUS
3/24/05	2		Dm1262
3/28/05	6	same lot of RTV used as above	H.G. #1941
4/22/05	6		Dm1262

#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
8	290		00	QUALITY ASSURANCE AREA OFE: SLDR-0 ASSY-7	0.0000	0.0000		0.0000

* INSPECT POTTING/CURING OF LEAD ASSEMBLY.

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

DRR#(S) _____

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

DATE	QTY	REMARKS	STATUS
4/23/05	5		

GTC 18 04

(NEW)

RK ORDER : 112044 WORK ORDER PICK LIST PAGE: 1

S # : LAT-DS-02831-01 BY LINE ITEM EFFECTIVITY DATE: 02-08-05
ITY : 19 RELEASE DATE : 02-02-05
P LOCATION: WO2 DATE PRINTED : 02-09-05

ATE PULLED: _____ PULLED BY: _____

I#	PART NUMBER AND DESCRIPTION.....	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY..	RESV IN LOT #.....	INVLOC	LOT NUMBER	INVTORY DETAIL LOT QUANTITY..	LOT DATE LOT LIFE	BIN BINLOC	QUANTITY..
	206505-1 CONN (311P407-5S-B-15) ORIGINAL QUANTITY...	EA	1.00 19.00	BO	19.00		SKCF2 FN-1	PULLED:	0.00			
	The following parts have been defined as alternates for 206505-1:											
	LI# 1.1 311P407-5S-B-15					1 PER						
	Partial quantity replacements are allowed.											
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	860.00 16340.00	RSVD	16340.00	115299	SKCF2 FN-3	115299 PULLED:	34056.00	10-01-04	LOT1152	
3	206071-1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	26.84 510.00	BO	510.00		SKCF2 FN-2	PULLED:	0.00			
	The following parts have been defined as alternates for 206071-1:											
	LI# 3.1 G08S1					1 PER						
	Partial quantity replacements are allowed.											
3.1	G08S1 CONTACT (206071-1) ORIGINAL QUANTITY...	EA	51.16 972.00	RSVD	972.00	115021	SKCF2 FN-2	115021 PULLED:	972.00	09-27-04		
	This line is an alternate part for line 3. G08S1 is used in a 1 to 1 ratio to 206071-1. Partial quantity replacements are allowed.											
4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00 19.00	BO	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02388. APPLY HERE.	PULLED:	0.00			

0710 **CRIMP TENSILE STRENGTH** LAT-05-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	RHODA MARMON / 1970		TEST DATE
CONTACT PN:	206071-1		2·16·05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A830)		RHODA MARMON
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC-A834)		WORK ORDER NO.
SELECTOR VALUE:	3		112044
TEST EQUIP # (Last CAL date):	AIRPATTRON MPF 2007 (6.17.04)		
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

1000

CRIMP TENSILE STRENGTH

LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

7:15 a.m.

CRIMP TENSILE STRENGTH CAT-AS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 # 1941	TEST DATE
CONTACT PN:	2060H-1	3.17.05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC A-1012)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC A-690)	WORK ORDER NO.
SELECTOR VALUE:	3	117044
TEST EQUIP # (Last CAL date):	Alpha Tran MPT-700A (6-17-04)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	12.4	12.9	13.4
PASS/FAIL (circle test result)	PASS / FAIL	PASS / FAIL	PASS / FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	✓	✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}			✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

1:10 P.M.

CRIMP TENSILE STRENGTH CAT-05-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	(PRE) - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE: 3.16.05
CONTACT PN:	70607-1	
WIRE PN:	M22759/11-24-9	TESTED BY: Herbie Gray
CRIMP TOOL PN (GTC Tool #):	M22520/1-01 (GTC A-1012)	
DIE/LOCATOR PN (GTC Tool #):	M22520/1-06 (GTC A692)	WORK ORDER NO.: 1120414
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	Alpha Mpt-200A (6-1704)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1		No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10		10		10	
MEASURED TENSILE STRENGTH:	13.4		13.3		13.4	
PASS/FAIL (circle test result)	(PASS)	FAIL	(PASS)	FAIL	(PASS)	FAIL
	Type of Separation Observed					
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓					
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						

SPECIAL INSTRUCTIONS (as rqd):

1:15 p.m.

CRIMP TENSILE STRENGTH (AT-DS-0283-01)

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	(PRE) - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Debra M I#1262		TEST DATE
CONTACT PN:	20671-1		3.16.05
WIRE PN:	M22759 / 11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC#1011)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC#833)		WORK ORDER NO.
SELECTOR VALUE:	3		1170414
TEST EQUIP # (Last CAL date):	Hollister 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:	13.5	13.4	13.4
PASS/FAIL (circle test result)	(PASS) FAIL	(PASS) FAIL	(PASS) FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

10:36 a.m.

for build of (E)

CRIMP TENSILE STRENGTH CA-AS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1# 1941	TEST DATE
CONTACT PN:	20671-1	3.18.05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC A-1012)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC A-692)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Alpla-tron MPF200A (6.17.04)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

11:00 a.m.

Build of (12)

CRIMP TENSILE STRENGTH CAT-DS-02381-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	(PRE) - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE
CONTACT PN:	206071-1	3.22.05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC#-492)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC#-533)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Alpha Tool MPT-200A (6.7.04)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941	TEST DATE
CONTACT PN:	206071-1	3.23.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC#1-1012)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC#1-833)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	Alpatron-2004 (6/7/05)	
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:	13.1		13.7		13.4	
PASS/FAIL (circle test result)	PASS	FAIL	PASS	FAIL	PASS	FAIL
	Type of Separation Observed					
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}						
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						

SPECIAL INSTRUCTIONS (as rqd):

CRIMP TENSILE STRENGTH Assy-LAT-DS-02831-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Martha Villa / 1742		TEST DATE
CONTACT PN:	2060871-1		4-20-05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A833)		Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22520-2-06 (GTC-A833)		WORK ORDER NO.
SELECTOR VALUE:	3		112044
TEST EQUIP # (Last CAL date):	7-6-05 ( )		
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

CRIMP TENSILE STRENGTH Assy-LAI-03-0283-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa / 1742	TEST DATE
CONTACT PN:	206071-1	4-20-05
WIRE PN:	M22759/11-249	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC# 833)	Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22520/2-06 (GTC# 833)	WORK ORDER NO.
SELECTOR VALUE:	3	112044
TEST EQUIP # (Last CAL date):	7-6-05 ( )	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

WORK CELL: 4-MIXED   CUSTOMER: SLAC

TY PRODUCTION   WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

PAGE 1

=SERIAL NUMBER LISTING:==================
N/A

======APPROVAL|==
PROD: RH 2/8/05
QA: MAM 2-9-05

=WORKMANSHIP:==

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

LOT NO.	LOT QTY	SERIAL NUMBERS	SEQ NO.	REASON	APPRV &DATE
A1	~~15~~ 13	N/A	6		mm 3/1/05
B	4	N/A	6	To move.	mm 3/1/05
A2	2	N/A	6	To move	mm 3/17/05

=(wohdr rev 05.19.04 glh)=================================

****

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

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

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

(REFERENCE ASSY/PL LAT-DS-02388 FOR RTV APPLICATION RQT)
TEST SPEC: N/A
ASSY AID: N/A
CUSTOMER NAME: SLAC
* * * * * * * * * * * BUILD DOCUMENTS * * * * * * * * * * *
USE... TRAVELER AND DRAWING
****
*(REV'D)/PREP'D BY: GH   (DATE)DATE: 02.03.05   *
****

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

****

ESD SENSITIVE

WORK CELL: 4-MIXED CUSTOMER: SLAC

T PRODUCTION WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

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

* WIRE, CRIMP PINS, CONNECTOR, AND RTV.

DATE	QTY	REMARKS	STATUS
2/9/05	19		

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

WO# 112043 PAGE 3

ASSY/PN# LAT-DS-02830-01 REQ DATE 02-09-05 CUST P#
ASSY, CABLE, TPS I/P PWR REL.DATE 02-03-05 QTY 19
SO# PROJECT# F17300
PO# 0000048800 CUST# 15356

****

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

+++++ THIS LEAD ASSY USES TWISTED-PAIR (RED/WHT) WIRE ++++++

* CRIMP TEST SETUP - GTC-2081.

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

* STRIPPING METHOD -- ALL ASSEMBLY AND TEST ACTIVITY... ELUBANKS SMALL MODEL #4900-C

... USE ~~SCHLEUNIGER PNEUMATIC~~ WIRE STRIPPER SET UP WITH 24 AWG STRIP BLADES, A STRIP LENGTH OF 1/8" (.125"), AND LEAVES THE INSULATION SLUG IN PLACE. 3/16 (.188)

* PRE-ASSY CRIMP TEST...

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

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

* ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
2) STRIP THE INSULATION LEAVING THE SLUG, 1/8" (.125"). 3/16 (.188)
3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT 10 PAIRS TO 9-1/2" (9.50") LONG.
4) STRIP SECOND END USING THERMAL TWEEZERS, 1/4".
5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD. USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

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

* POST-ASSY CRIMP TEST...

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

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

DATE....	QTY..	REMARKS..............................	STATUS
2/18/05	4	4 sets of 10 40	RM1970
3/8/05	1	1 set of 10 10 (Rework)	CVD1920
3/15/05		2 set of 10	MV, DM, MM. 168

****

3-16-05-4 set of 10 MV 1713

3/16/05 4 sets of 10 strip only

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... LINE-MACH HOURS	ST-LOT.
4	290		00	QUALITY ASSURANCE AREA OPE: SLDR-20 ASSY-80	0.0000	0.0000	0.0000

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

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

DRR#(S) 29547

DATE...	QTY..	REMARKS.....	STATUS
2/22/05	40/38		
3/9/05	10	Restripped ok	SLV

LI#	DEPT	MACH#	OP#	DESCRIPTION	SET-UP HOURS	RUN... LINE-MACH HOURS	ST-LOT.
5	210		00	CCA/BLACK BOX ASSY AREA INSERT WIRES AND CONTACTS TO CONNECTOR	0.0000	0.0000	0.0000

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

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

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

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

DATE...	QTY..	REMARKS.....	STATUS
3.8.05	1	complete	A.C. #1941
3.15.05	2	complete	A.C. #1941

WORK CELL: 4-MIXED CUSTOMER: SLAC

T PRODUCTION WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

****

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

Clear Defect Report #2954 for 8 wires
[signature] 2-25-05

6 290 00 QUALITY ASSURANCE AREA 0.0000 0.0000 0.0000
OFE: SLDR-0 ASSY-26

* INSPECT LEAD AND CONTACT INSERTION TO CONNECTOR.

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

DRR#(S) ______

DATE...	QTY..	REMARKS..............................	STATUS
3/8/05	1		KH.285
3/9/05	3		
3/14/05	21		

3-14-05 22 11 post crimps and tinned length

****

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

* APPLY RTV, DC6-1104, TO WIRES EXITING CONNECTOR SHELL, FROM THE SHELL DOWN THE WIRES 1/2" (.5").

* TRANSFER RTV TO AN EFD SYRINGE TUBE, OR PLUNGER TYPE SYRINGE, TO AID APPLICATION.

* ALIGN WIRES WITH KAPTON TAPE IN AN AREA ABOUT 2 TO 4 INCHES AWAY FROM THE CONNECTOR. THIS IS INTENDED TO KEEP WIRES COMING STRAIGHT OUT OF THE CONNECTOR, AS AN AID FOR LATER TERMINATION TO THE CCA.

* APPLY RTV TO CONNECTOR BACKSHELL SURFACE, AT INSIDE ROWS FIRST, WORKING OUT, AND UP, TO THE APPROXIMATE 1/2" POINT.

* RECORD RTV MATERIAL PO# AND EXPIRATION DATE BELOW:

PO# 31695 EXP. DATE 7-10-2005 air cured overnight.

* CURE APPLIED RTV IN OVEN FOR 2 HOURS AT 120 DEG F (60 C). ME 3-17-05

* RECORD CURE DATE, START/STOP TIME BELOW:

DATE ______ START ______ STOP ______

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

****

WORK CELL: 4-MIXED CUSTOMER: SLAC

: PRODUCTION WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17300
CUST# 15356

LI#	DEPT	MACH#	OP#	DESCRIPTION	HOURS SET-UP	HOURS RUN	HOURS LINE-MACH	HOURS ST-LOT
8	290		00	QUALITY ASSURANCE AREA OPE: SLDR-0 ASSY-7	0.0000	0.0000		0.0000

* INSPECT POTTING/CURING OF LEAD ASSEMBLY.

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

DRR#(S) _____

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

DATE	QTY	REMARKS	STATUS
3/17/05	2		GTC 3/8 QA

(NEW)

WORK ORDER : 112043 — WORK ORDER PICK LIST — PAGE: 1

ASSY # : LAT-DS-02830-01 — BY LINE ITEM — EFFECTIVITY DATE: 02-08-05
QUANTITY : 19 — RELEASE DATE : 02-03-05
LOCATION: WO2 — DATE PRINTED : 02-09-05

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STAT	STATUS QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	INVTORY DETAIL: LOT QUANTITY	LOT DATE / LOT LIFE	BIN LOC	BIN QUANTITY
1	206500-1 CONN (311P407-2P-B-15) ORIGINAL QUANTITY...	EA	1.00 19.00	BO	19.00		SKCF2 FN-1 PULLED:		0.00			
	The following parts have been defined as alternates for 206500-1:											
	LI# 1.1 311P407-2P-B-15 — 1 PER											
	Partial quantity replacements are allowed.											
2	M22759/11-24-2/9 WIRE, 24AWG RED/WHIT ORIGINAL QUANTITY...	IN	300.00 5700.00	RSVD	5700.00	115300	SKCF2 FN-2 PULLED:	115300	11997.00	10-01-04		
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	20.00 380.00	RSVD	380.00	114796	SKCF2 FN-3 PULLED:	114796	401.00	09-23-04 IN ASSY		
							FN-3 PULLED:	115041	972.00	09-27-04 F17200		
	The following parts have been defined as alternates for 204370-8:											
	LI# 3.1 G08P1 — 1 PER											
	Partial quantity replacements are allowed.											
4	DC6-1104 ADHESIVE ORIGINAL QUANTITY...	OZ	1.00 19.00	BO	19.00		SKCF2 REQUIREMENT SHOWS ON LAT-DS-02388. APPLY HERE. PULLED:		0.00			

Assy

CRIMP TENSILE STRENGTH LAT-DS02830-01

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa / 1717	TEST DATE
CONTACT PN:	2043770-8	3-16-05
WIRE PN:	M22759/11-24-9/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A1014)	1120 43
DIE/LOCATOR PN (GTC Tool #):	M22520/2-01 (GTC-A8311)	WORK ORDER NO.
SELECTOR VALUE:	3	Martha Villa
TEST EQUIP # (Last CAL date):	( )	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1		No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10.0		10.0		10.0	
MEASURED TENSILE STRENGTH:	12.6		12.5		12.4	
PASS/FAIL (circle test result)	(PASS)	FAIL	(PASS)	FAIL	(PASS)	FAIL
	Type of Separation Observed					
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}	✓		✓		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}						
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						

SPECIAL INSTRUCTIONS (as rqd):

Assy # LAT-DS-02830-01

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	(PRE - PROD)	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Martha Villa / 1712	TEST DATE
CONTACT PN:	204370-8	3-14-05
WIRE PN:	M22759/11-24-9/9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A1014)	Martha Villa
DIE/LOCATOR PN (GTC Tool #):	M22520/2-01 (GTC-488)	WORK ORDER NO.
SELECTOR VALUE:	3	112013
TEST EQUIP # (Last CAL date):	( )	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

DEFECT RECORD REPORT

ID: 29547

PART NUMBER: LAT-DS-02830-01

WORK ORDER: 112043

SALES ORDER: F17300

QUANTITY: 40 RW QTY: 8

CUSTOMER: SLAC

INSPECTION TYPE: CRIMPING

INSPECTION LEVEL: I

INSPECTOR: VANDEVER

OFE SOLDER: 20

OFE ASSEMBLY: 80

DATE: 2/22/2005

WEEK CODE: 10

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

Rev. 97

3/8/05

WORK CELL: 4-MIXED CUSTOMER: SLAC

T PRODUCTION WORK ORDER TRAVELLER - NEW

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

WO# 112026 PAGE 1
REQ DATE 02-04-05
REL.DATE 01-31-05
SO#
PO# 0000048799

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

=SERIAL NUMBER LISTING:==========

N/A

=APPROVAL:===

PROD [illegible] 2/4/05

QA: [illegible] 2.4.05

=WORKMANSHIP:==========

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

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

=(wohdr rev 05.19.04 glh)==========

ESD SENSITIVE

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

200 00 CONFIG RECORD/KITTING 0.0000 0.0000 0.0000
CONFIG

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

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

2.4.05

WORK CELL: 4-MIXED CUSTOMER: SLAC

PRODUCTION WORK ORDER TRAVELLER - NEW

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

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

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

* WIRE, CRIMP PINS, AND CONNECTOR.

DATE	QTY	REMARKS	STATUS
2/7/05	19		

WORK CELL: 4-MIXED   CUSTOMER: SLAC

T   PRODUCTION   WORK ORDER TRAVELLER - NEW

strip 1-4 ~ 1339 4/26/05 Move to Start pg 3A

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

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

CUST P#
QTY 19
PROJECT# F17200
CUST# 15356

PAGE 3

****

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

Cut

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

* CRIMP TEST SETUP - GTC-2081.

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

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

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

EQUIPMENT CHANGE: EUBANKS 3-01-05
3/16" STRIP LENGTH to 1/4" (~~.25~~)(.19) 2-8-05

* 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: ~~2/9/05~~ RMarmon 1970 DATE: 2/9/05 STATUS Pass

Crimp Tensile Strength Sheet attached

* ASSEMBLY ACTIVITY...

1) FEED WIRE DIRECTLY OFF THE SPOOL TO THE STRIPPER.
2) STRIP THE INSULATION LEAVING THE SLUG, ~~1/8" (.125")~~. 3/16
3) CUT THE WIRE OFF AT THE INDICATED LENGTH, AND QUANTITY.
* CUT ~~39~~ 39 PIECES TO 1-1/8" (1.125") LONG. USE PROGRAM # 89
* CUT ~~39~~ PIECES TO ~~7/8~~ 1 (~~0.875"~~) LONG. USE PROGRAM #90 } ON EUBANKS
15/16
4) STRIP SECOND END USING THERMAL TWEEZERS, ~~1/4~~". 3/16
5) TIN SECOND END BY SOLDER DIP. CLEAN WITH ALCOHOL.
6) PULL INSULATION SLUG AND CRIMP CONTACT (22D) ONTO LEAD. USE M22520/2-01 CRIMPER W/ M22520-2-09 TURRET/LOCATOR.

1 2 3 & 4 - performed using ... (~~.25~~)(.19)

GTC-A-463. K42 -mm.

2-8-05

* POST-ASSY CRIMP TEST...

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

CRIMP TEST: BY: & Rn 1970 DATE: 2/9/05 STATUS Pass

DATE....	QTY..	REMARKS........	STATUS
2/10/05	4	7/8"(39) & 1 1/8"(39) @ 4 each	RM1970
3.10.05	8	1 1/8(350) 1" (200) 1 5/16 (175)	H.6.#1941
3.11.05	8	1 1/8 strips	H.6.#1941

****

3.11.05 5/16 strips H6 #1941
~~3.11.05 1/16~~
3.11.05 crimps 1 5/16 H.6.#1941
3-12-05 MV 1942 1" strips
3-12-05 tinning H6 #1941 1 5/16
3.14.05 crimp/tin 1" (46) H.6. #1941
3.14.05 crimp/tin 1 1/8 (96) H6 #1941
3.14.05 crimp/tin 1 1/16 (235) H6 #1941
3.14.05 crimp/tin (126) 1" H6 #1941

* pre-Assy crimp test 2.28.05 Pass H6.#1941
pre-Assy crimp test 3.1.05 pass H.6. #1941
" " 3.2.05 pass H.6. #1941
" " 3.3.05 pass H.6. #1941
no crimping on 3.4.05
pre-Assy crimp test 3.5.05 pass H.6. #1941
" " 3.7.05 pass H6 #1941
pre-Assy crimp test 3.14.05 pass H.6. #1941

See page 3A - Continued

WORK CELL: 4-MIXED   CUSTOMER: SLAC

PRODUCTION   WORK ORDER TRAVELLER - NEW

ASSY/PN# LAT-DS-02588	WO# 112026		PAGE 4
ASSY, CABLE, CONN, TEM	REQ DATE 02-04-05	CUST P#	
	REL.DATE 01-31-05	QTY 19	
	SO#	PROJECT# F17200	
	PO# 0000048799	CUST# 15356	

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

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

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

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

DRR#(S)

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4	7/8" 39 pieces	GTC
	4	1 1/8" 39 pieces	
3/4/05		(Redone)	GTC 21 QA

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

3/11/05 15/16 inspection of strip GTC
3/11/05 1 1/8 strips GTC 18 QA
1st strip 3/4/05 GTC 8 QA
strips, crimps & tinning GTC 8 QA 3/4/05
[illegible] 2-28-05

* INSERT TERMINATED WIRES TO CONNECTOR.
...INSERT LONGER WIRES (1-5/16") INTO HOLE NUMBERS 1 THRU ~~39~~ 20
...INSERT SHORT WIRES (~~1-1/8~~ 1 1/2) INTO HOLE NUMBERS 60 THRU 78. Insert 1 1/8" wires into 21 Through 59
...ASSURE CONTACT IS SEATED AND LOCKED INTO CONNECTOR.

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4		RM 1970
3.15.05	2		H.G.#1941
3.21.05	1		H.G.#1941

3.21.05 3 completed H.G#194

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

* INSPECT INSERTED WIRES.

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

DRR#(S)

ROUTE FOR WO CLOSURE AND DELIVERY TO NEXT ASSY LAT-DS-01646.

DATE....	QTY..	REMARKS..............................	STATUS
2/17/05	4	AMP206504-1 Conn inserts. step 5.	GTC
3-15-05	2	AMP 206504-1 Conn, check inserts	GTC 12 QA
3/21-05	1		GTC 8 QA
3/22/05	3 Conn.		GTC 16 QA

(NEW)

WORK ORDER : 112026 — WORK ORDER PICK LIST — PAGE: 1

'BLY # : LAT-DS-02588 — BY LINE ITEM — EFFECTIVITY DATE: 02-04-05
ANTITY : 19 — RELEASE DATE : 01-31-05
LOCATION: WO2 — DATE PRINTED : 02-07-05

DATE PULLED: _____ PULLED BY: _____

LI#	PART NUMBER AND DESCRIPTION	UM	REQUIRED QUANTITY	CURR STATUS	RESV IN QUANTITY	RESV IN LOT #	INVLOC	LOT NUMBER	LOT QUANTITY	LOT DATE LIFE	BIN BINLOC	BIN QUANTITY
1	206504-1 AMPLIMITE ORIGINAL QUANTITY...	EA	1.00 19.00	RSVD	19.00	114794	SKCF2 FN-1	114794 PULLED:	22.00	09-23-04		
	The following parts have been defined as alternates for 206504-1: LI# 1.1 311P407-5P-B-15 1 PER Partial quantity replacements are allowed.											
2	M22759/11-24-9 WIRE, 24AWG, WHITE ORIGINAL QUANTITY...	IN	102.00 1938.00	RSVD	1938.00	115299	SKCF2 FN-3	115299 PULLED:	35994.00	10-01-04		
3	204370-8 PIN, CRIMP ORIGINAL QUANTITY...	EA	84.00 1596.00	RSVD	1596.00	114796	SKCF2 FN-2	114796 PULLED:	1997.00	09-23-04 IN ASSY		
							FN-2	115041 PULLED:	972.00	09-27-04 F17200		
	The following parts have been defined as alternates for 204370-8: LI# 3.1 G08P1 1 PER Partial quantity replacements are allowed.											

07.50

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	RHODA MARMON / 1970	TEST DATE: 2/09/05
CONTACT PN:	204370-8	TESTED BY: RHODA MARMON 1970
WIRE PN:	M22759/11-24-9	WORK ORDER NO.: 112026
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A-830)	
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	
SELECTOR VALUE:	3	
TEST EQUIP # (Last CAL date):	ALPHATRON 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:	11.8	12.9	12.9
PASS/FAIL (circle test result)	(PASS) / FAIL	(PASS) / FAIL	PASS / FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

1500

CRIMP TENSILE STRENGTH LAT-DS-02588

MIL-STD-1344; METHOD 2003.1

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

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10	10	10
MEASURED TENSILE STRENGTH:	13.2	13.4	13.5
PASS/FAIL (circle test result)	PASS / FAIL	PASS / FAIL	PASS / FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓	✓	✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}		✓ RM	✓ RM
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

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 MARMON / 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-830)	RHODA MARMON 197
DIE/LOCATOR PN (GTC Tool #):	M22520/02-09 (GTC-A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	ALPHATRON MAF 300A (6-1704)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

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-)	RHONDA MARMON
DIE/LOCATOR PN (GTC Tool #):	(GTC-)	WORK ORDER NO.
SELECTOR VALUE:		~~11~~ 02/12026
TEST EQUIP # (Last CAL date):	( )	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

1:10 p.m.

CRIMP TENSILE STRENGTH

Lot-05-02588

MIL-STD-1344: METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD	
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1#1941		TEST DATE
CONTACT PN:	204370-8		2.28.05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A-530)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-09 (GTC-A-631)		WORK ORDER NO.
SELECTOR VALUE:	3		112026
TEST EQUIP # (Last CAL date):	Aldatron MPF200A (~~Effot~~)	1.18.05	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

6:45 a.m.

CRIMP TENSILE STRENGTH Lot-AS-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	3.1.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC ~~1-830~~)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC ~~1-831~~)	WORK ORDER NO.
SELECTOR VALUE:	3	117026
TEST EQUIP # (Last CAL date):	Alpha Tron MPF 20-A (~~6-27-04~~) 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:	13.8		13.5		13.8	
PASS/FAIL (circle test result)	PASS	FAIL	PASS	FAIL	PASS	FAIL
	Type of Separation Observed					
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓				✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						

SPECIAL INSTRUCTIONS (as rqd):

7:42 a.m.

CRIMP TENSILE STRENGTH Lot-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD (circled: PRE)	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray #7941	TEST DATE
CONTACT PN:	204370-8	3.3.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC 4-870)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-09 (GTC 4-836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alpha Pro MPE 2001 (~~1805~~) 6-17-04	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

9:50 A.M.

CRIMP TENSILE STRENGTH Lot DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1# 1941	TEST DATE
CONTACT PN:	204370-8	3.5.05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC A-1012)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-09 (GTC A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Hdustron MPF 200A (6-17-04)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

8:50 a.m. **CRIMP TENSILE STRENGTH** Cat-AS-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 A-830)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-09 (GTC A-831)	WORK ORDER NO.
SELECTOR VALUE:	3	117026
TEST EQUIP # (Last CAL date):	Alpha Tech MPF700A (1-18-05)	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1		No. 2		No. 3	
MINIMUM TENSILE STRENGTH:	10		10		10	
MEASURED TENSILE STRENGTH:	13.0		12.8		13.0	
PASS/FAIL (circle test result)	(PASS)	FAIL	(PASS)	FAIL	(PASS)	FAIL
	Type of Separation Observed					
SLIP (pull out) {a}						
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			✓			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}						
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓				✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}						
OTHER (define) {f}						

SPECIAL INSTRUCTIONS (as rqd):

CRIMP TENSILE STRENGTH lot 05-02583

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		3/14/05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC A-102)		Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520/2-09 (GTC A-031)		WORK ORDER NO.
SELECTOR VALUE:	3		112026
TEST EQUIP # (Last CAL date):	Alpha Tran MPT-200A (6-17-04)		
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

CRIMP TENSILE STRENGTH CAT-DS-02588

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Herbie Gray 1 # 1941	TEST DATE
CONTACT PN:	204370-8	3.21.05
WIRE PN:	M22759 / 11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520 / 2-01 (GTC 4102)	Herbie Gray
DIE/LOCATOR PN (GTC Tool #):	M22520 / 2-09 (GTC 4836)	WORK ORDER NO.
SELECTOR VALUE:	3	112026
TEST EQUIP # (Last CAL date):	Alpha Tech 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)	PASS / FAIL	PASS / FAIL	PASS / FAIL
	Type of Separation Observed		
SLIP (pull out) {a}			
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}		✓	
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}	✓		✓
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

Assy LAT-DS-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	POST - PROD
CRIMP OPERATOR NAME/EMP #:	Dora 113371	TEST DATE
CONTACT PN:	204370-8 (G08P1)	4/28/05
WIRE PN:	M22759/11-24-9	TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-AG10)	Dora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)	WORK ORDER NO.
SELECTOR VALUE:	3	112026.
TEST EQUIP # (Last CAL date):	6/17/04 Due 6/17/05 GTC-P5M	
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:

OBSERVATIONS/VALUES

SAMPLE NUMBER:	No. 1	No. 2	No. 3
MINIMUM TENSILE STRENGTH:	10.0	10.0	10.0
MEASURED TENSILE STRENGTH:	13.7	13.5	13.4
PASS/FAIL (circle test result)	(PASS) FAIL	(PASS) FAIL	(PASS) FAIL
	Check Failure Mode Observed		
SLIP (pull out) {a}	~~13.7~~ ✓		✓
CONDUCTOR BROKEN IN CRIMP AREA (some or all) {b}			
CONTACT BROKEN IN CRIMP AREA (some or all) {c}			
CONDUCTOR BROKEN OUTSIDE CRIMP AREA (not in gripping area) {d}		✓	
CONTACT BROKEN OUTSIDE OF CRIMP AREA {e}			
OTHER (define) {f}			

SPECIAL INSTRUCTIONS (as rqd):

Assy LAT-DS-02588

CRIMP TENSILE STRENGTH

MIL-STD-1344; METHOD 2003.1

TEST TYPE (circle one):	PRE - PROD	(POST - PROD)	
CRIMP OPERATOR NAME/EMP #:	Nora 11337		TEST DATE
CONTACT PN:	204370-8 (608P1		4/28/05
WIRE PN:	M22759/11-24-9		TESTED BY
CRIMP TOOL PN (GTC Tool #):	M22520/2-01 (GTC-A610)		Nora
DIE/LOCATOR PN (GTC Tool #):	M22520-2-09 (GTC-)		WORK ORDER NO.
SELECTOR VALUE:	3		112026
TEST EQUIP # (Last CAL date):	6/17/04 Due 6/17/05 (GTC PS11)		
PULL RATE:	1" +/-.25" per min.	OTHER PULL RATE:	

OBSERVATIONS/VALUES

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

SPECIAL INSTRUCTIONS (as rqd):

WO.LOTS PARTS ISSUED TO WO 112011 07-

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PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
NOTES.....				
1210B563K251YHTM	CAPACITOR	16.00	114802	200435016
5962-8759406XA	IC,LM185BYH-2.5,NSC	3.00	114805	T85343F019
5962R9568101VXC	IC	1.00	114814	F25TDADA
5962R985203QYC	IC	5.00	123441	D/C 0408
5962R9865103QYC	IC	4.00	120289	D/C 0407
CDR31BX472BKUS	CAPACITOR	249.00	114801	LOT 0422-DN
CDR33BX473AKUS	CAPACITOR	53.00	114799	LOT 0419B
CWR09FC476KDB	CAPACITOR	49.00	114800	LOT 0417
CWR11FH105KDB	CAPACITOR	36.00	120284	D/C 0426 LOT 0425AB52
CWR11FH475KDB	CAPACITOR	2.00	120285	D/C 0430
H0705CPX000	THICK FILM JUMPER	151.00	114817	LOT TR107039
JANTXV1N4153UR-1	DIODE	2.00	114806	LOT V-5869
LAT-DS-01026	PLATE, CONN, TEM	1.00	114784	NO LOT CONN PLATE
LAT-DS-01031	PIN, CONNECTOR, TEM	2.00	114785	NO LOT CONN PIN
LAT-DS-01649	PWB, TEM	1.00	120299	D/C 4904,3441
LAT-DS-02588	ASSY, CABLE, CONN, TEM	1.00	130891	
LAT-DS-03582	STANDOFF	2.00	114787	NO LOT FAMALE STANDOFF 4-40
LAT-DS-03894	IC	1.00	123758	
LAT-DS-03895	IC	1.00	123759	
LAT-TD-01812	IC	8.00	114816	T31D
LAT-TD-01814	IC	4.00	114813	T31D
M55342K06B100DR	RESISTOR,CHIP.100W,100 OH	60.00	114822	LOT TR107035
M55342K06B100ER	RESISTOR,CHIP,.100W,100K	50.00	114823	LOT TR107045
M55342K06B10E0R	RESISTOR,CHIP,.100W,10K O	23.00	114830	LOT TR107038 (250) LOT TR108589 (457)
M55342K06B1E00R	RESISTOR,CHIP,.100W,1K OH	55.00	114818	LOT TR107040
M55342K06B1F00R	RESISTOR,CHIP.100W,1M OHM	2.00	114819	LOT TR107041
M55342K06B200DR	RESISTOR	2.00	114824	LOT 107036
M55342K06B22D1R	RESISTOR	205.00	114821	LOT 112409
M55342K06B49D9R	RESISTOR,CHIP,.100W,49.9	4.00	114827	LOT TR110001
M55342K06B5E11R	RESISTOR	2.00	114829	LOT TR110002
M55342K09B10F0R	RESISTOR	2.00	114820	LOT 107042

M55342K09B1F00R	RESISTOR	2.00	114828	LOT 109509
MAX145AEUA	IC	36.00	120286	D/C 0310
MAX5121AEEE	IC	2.00	114810	LOT 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, PNHD, 4-40 X .25	2.00	93945	
NAS1352N02-8	SCREW	26.00	114786	70494-2
NAS620-C2	FLATWASHER	52.00	114789	M062S04R
NAS671-C2	NUT	26.00	114791	50254
S311P18-09S7R6	THERMISTOR, 30K	2.00	114825	D.C 03G1188
SMD050	FUSE,RAYCHEM/POLYSWICH	4.00	114807	D.C 0348
SMDO75	IC	4.00	114926	D.C 0332

WO.LOTS
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PARTS ISSUED TO WO 112026

PART#..... NOTES.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
204370-8	PIN, CRIMP	1596.00	114796	LRM87754
206504-1	AMPLIMITE	19.00	114794	00402
M22759/11-24-9	WIRE, 24AWG, WHITE	1938.00	115299	46190

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
NOTES.....				
204370-8	PIN, CRIMP	380.00	114796	LRM87754
204370-8	PIN, CRIMP	500.00	129543	
LAT-DS-02830	ASSY, CABLE, TPS I/P PWR	19.00	114946	LOT 0414 , 0351
M22759/11-24-2/9	WIRE, 24AWG RED/WHIT	5700.00	115300	

PARTS ISSUED TO WO 112044

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
NOTES.....				
G08S1	CONTACT (206071-1)	972.00	115021	LOT 04153
G08S1	CONTACT (206071-1)	510.00	125762	
G08S1	CONTACT (206071-1)	400.00	128557	D/C 04153 LOT#
LRM91466				
LAT-DS-02831	ASSY, CABLE, TPS O/P PWR	18.00	114947	LOT D/C 0413
M22759/11-24-9	WIRE, 24AWG, WHITE	16340.00	115299	46190

PARTS ISSUED TO WO 112075

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
NOTES.....				
&NI6682		1.00		
&NI6683		2.00		
1210B563K251YHTM	CAPACITOR	12.00	114802	200435016
32763-31	INDUCTOR	2.00	114965	SLAC LOT#0412
32786-31	INDUCTOR	12.00	114964	SLAC LOT#0413
5962L8771002VXA	IC	2.00	114962	SLAC LOT#H3C0409A
5962R9582602VXC	IC	6.00	120302	328ABBS, 239ABBV
5962R9663501VXC	IC	5.00	120301	D/C351
ARF461	IC FILTER	1.00	114959	D/C 0439
CDR04BX104AKUS	CAP, .1uF,50V	32.00	114935	SLAC LOT#0404
CDR31BP100BKUS	CAPACITOR	14.00	114938	SLAC LOT#0405BG
CDR31BP101BKUS	CAPACITOR	4.00	114944	SLAC LOT#0349HM
CDR31BP470BKUS	CAPACITOR	4.00	115090	SLAC LOT#0420FN
CDR31BX102BKUS	CAPACITOR	2.00	114936	SLAC LOT#0420RL
CDR32BX103BKUS	CAP 0.01UF 100V 10%	22.00	114937	SLAC LOT#0413FM
CDR33BX223BKUS	CAPACITOR	4.00	114940	SLAC LOT#0405VC
CDR33BX473AKUS	CAPACITOR	7.00	114799	LOT 0419B
CWR09FC476KDB	CAPACITOR	89.00	114943	SLAC LOT#0418
CWR09HC106KCB	CAPACITOR	4.00	114939	SLAC LOT#0409
D55342K07B402ER	RES, 402K, 1/4W, 1%	1.00	115001	SLAC LOT#112027
D55342K07B511ER	RESISTOR	10.00	115002	SLAC LOT#TR107816
H0705CPX000	THICK FILM JUMPER	15.00	114817	LOT TR107039
IRHNJ597034	TRANSISTOR	3.00	114966	SLAC LOT#D321662
JANTXV1N4106UR-1	DIODE	4.00	114953	SLAC LOT#V-6966
JANTXV1N4153UR-1	DIODE	8.00	114949	SLAC LOT#V-5869
JANTXV1N4489US	DIODE	1.00	125757	
JANTXV1N4489US	DIODE	2.00	125757	
JANTXV1N4494US	DIODE	1.00	125759	
JANTXV1N5806US	DIODE 1N5806US	8.00	114950	SLAC LOT#H5030088A
				D/C 0308
JANTXV1N6487US	DIODE	6.00	114952	SLAC LOT#V-7528
JANTXV2N2222AUB	TRANSISTOR NPN	21.00	120303	D/C0318
JANTXV2N2907AUB	TRANSISTOR	2.00	115007	SLAC D/C#0330
JANTXV2N3439	TRANSISTOR	4.00	115006	LOT 0243
LAT-DS-02389	PWB, GLAST, TPS	1.00	120305	D/C 3304,4804

LAT-DS-02465	HEAT SINK, TPS	4.00	115014	SLAC LOT# N/A
LAT-DS-03598	SUPPORT, CABLE HARNESS	2.00	120308	NO D/C OR LOT
LAT-DS-03598	SUPPORT, CABLE HARNESS	2.00	125327	
LAT-DS-03598	SUPPORT, CABLE HARNESS	2.00	125327	
LAT-DS-04101	HEATSINK	2.00	120304	NO LOT OR D/C
M22759/11-24-9	WIRE, 24AWG, WHITE	1.00	115299	46190
M39006/22-0567H	CAPACITOR	30.00	114941	LOT D/C 0414CZ ,
0414CM				
M55342H06B1B21R	RESISTOR	4.00	114970	SLAC LOT#BR21501
M55342H06B2B21R	RESISTOR	6.00	114979	SLAC LOT#BR21601
M55342K06B100DR	RESISTOR,CHIP.100W,100 OH	4.00	114822	LOT TR107035
M55342K06B100ER	RESISTOR,CHIP,.100W,100K	13.00	114823	LOT TR107045
M55342K06B10E0R	RESISTOR,CHIP,.100W,10K O	21.00	114987	SLAC LOT#TR107830
M55342K06B13E0R	RESISTOR	3.00	114989	SLAC LOT#TR107832
M55342K06B15E0R	RESISTOR,CHIP,.100W,15K O	1.00	114990	SLAC LOT#TR107619
M55342K06B18E2R	RESISTOR	2.00	114991	SLAC LOT#TR107620
M55342K06B1E00R	RESISTOR,CHIP,.100W,1K OH	6.00	114818	LOT TR107040
M55342K06B1E21R	RESISTOR	3.00	114971	SLAC LOT#TR107523

PARTS ISSUED TO WO 112075

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT
NOTES.....				
M55342K06B1E37R	RESISTOR	4.00	114972	SLAC LOT#TR10811
M55342K06B1F00R	RESISTOR,CHIP.100W,1M OHM	6.00	114819	LOT TR107041
M55342K06B20E0R	RESISTOR,20Kohms	8.00	114992	SLAC LOT#TR107621
M55342K06B22E1R	RESISTOR	5.00	114994	SLAC LOT#TR107623
M55342K06B2E74R	RESISTOR	3.00	114980	SLAC LOT#TR109928
M55342K06B301DR	RESISTOR	1.00	115000	SLAC LOT#TR112808
M55342K06B33E2R	RESISTOR	1.00	114995	SLAC LOT#TR112391
M55342K06B49E9R	RESISTOR,49.9Kohms	6.00	114996	SLAC LOT#TR107624
M55342K06B49E9R	RESISTOR,49.9Kohms	46.00	114996	SLAC LOT#TR107624
M55342K06B49E9R	RESISTOR,49.9Kohms	133.00	114996	SLAC LOT#TR107624
M55342K06B4E75R	RESISTOR	2.00	114981	SLAC LOT#TR108586
M55342K06B549DR	RESISTOR	2.00	115003	SLAC LOT#TR111507
M55342K06B5E11R	RESISTOR	2.00	114829	LOT TR110002
M55342K06B5E62R	RESISTOR	1.00	114984	SLAC LOT#TR107829
M55342K06B61E9R	RESISTOR	1.00	114997	SLAC LOT#TR107625
M55342K06B8E25R	RESISTOR	2.00	114985	SLAC LOT#109510
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	114993	SLAC LOT#TR107622
M55342K09B2E00R	RES,CHIP,2.00K,1%,72W	1.00	115091	SLAC LOT#TR107617
M55342K09B4E99R	RESISTOR	2.00	114982	SLAC LOT#TR9044
MAX724ECK	IC	7.00	114961	LOT D/C 0342PS
NAS1149CN432R	WASHER	4.00	115016	LOT M061404R
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	3.00	115009	LOT M122600L
NAS671C4	NUT, HEX,SS,PASS,4-40THRD	1.00	122091	
NAS671C6	NUT,#6,SM.PAT	19.00	122955	
RWR89SR200FR	RESISTOR	1.00	114968	LOT D/C 15419237
RXE065	FUSE	2.00	114957	LOT D/C 0329
RXE110	FUSE,POLYSWITCH	2.00	114958	D/C 0412
S311P18-09S7R6	THERMISTOR, 30K	2.00	115004	LOT D/C 03D0021
SSR1040GTXV	DIODE	7.00	114948	SLAC LOT#0404

PARTS ISSUED TO WO 113112

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT NOTES.....
LAT-DS-00554	TEM BOX BASE	1.00	120298	no d/c or lot#
LAT-DS-00555	TEM BOX LID	1.00	120297	NO D/C OR LOT#
LAT-DS-01646	CCA, GLAST, TEM	1.00	130020	
NAS1352N03LB4	HARDWARE	26.00	114831	B080504B
NAS1352N04-6	SCREW	29.00	114832	76123
NAS1352N3-8	HARDWARE	1.00	114833	74803

PARTS ISSUED TO WO 113222

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT NOTES.....
LAT-DS-00995	BASE, BOX, TPS	1.00	121225	
LAT-DS-00996	LID, BOX, TEM PS	1.00	121224	
LAT-DS-02388	CCA, GLAST, TPS	1.00	131460	
NAS1352N04-4	SCREW	20.00	115019	LOT D/C 78364
NAS1352N04-6	SCREW	30.00	115012	LOT D/C 76123

PART#.....	DESC.....	QTY.....	FROM.LOT#.....	FROM LOT NOTES.....
LAT-DS-01487	SCREW, SKTHD CAP, 832X.62	40.00	120307	LOT 68402-1-1