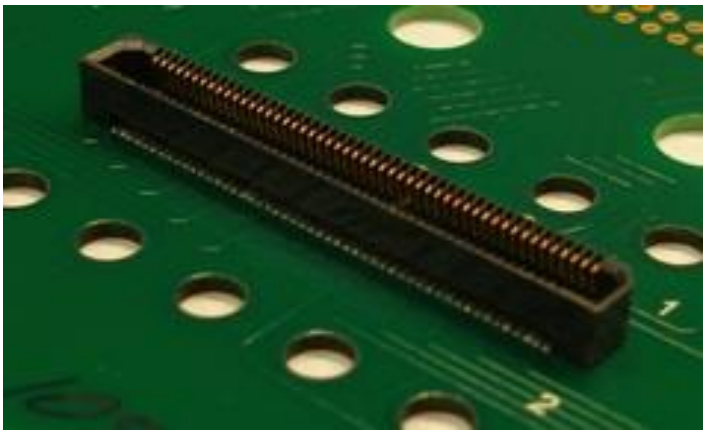
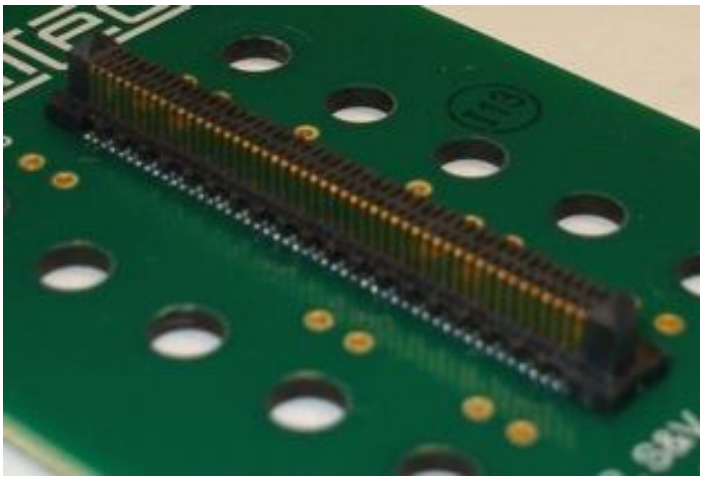
Project Number: Design Qualification Test Report	Tracking Code: 105822_Report_Rev_1		
Requested by: Bryon Saylor	Date: 1/13/2011	Product Rev: v	
Part #: ERF8-050-05.0-L-DV-K-TR/ ERM8-050-02.0-L-DV-K-TR	Lot #: na	Tech: Tony Wagoner	Eng: Eric Mings
Part description: ERF8/ERM8			Qty to test: 80
Test Start: 10/8/2010	Test Completed: 11/11/2010		





DESIGN QUALIFICATION TEST REPORT

ERF8/ERM8
ERF8-050-05.0-L-DV-K-TR
ERM8-050-02.0-L-DV-K-TR

CERTIFICATION

All instruments and measuring equipment were calibrated to National Institute for Standards and Technology (NIST) traceable standards according to IS0 10012-l and ANSI/NCSL 2540-1, as applicable.

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SCOPE

To perform the following tests: Design qualification test. Please see test plan.

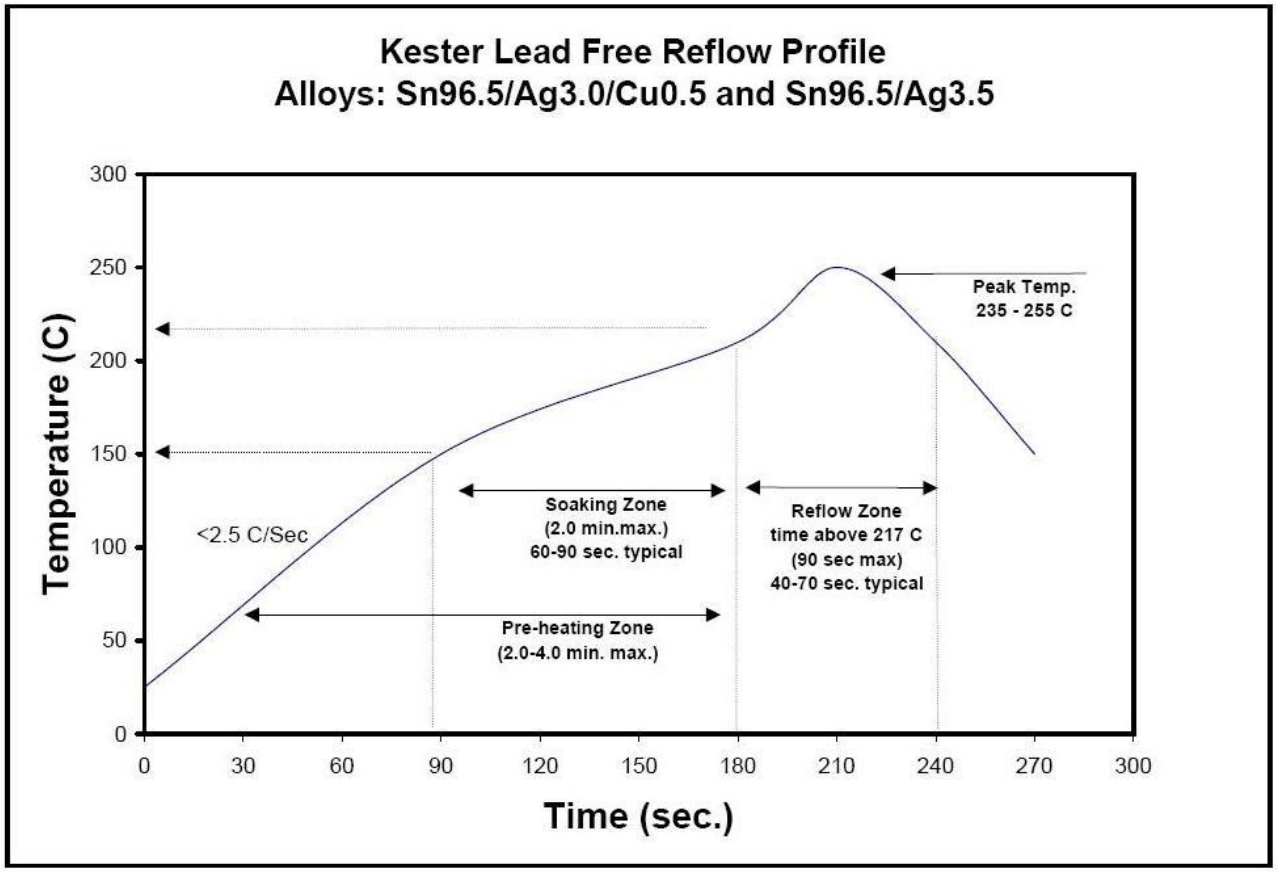
APPLICABLE DOCUMENTS

Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

1) All materials were manufactured in accordance with the applicable product specification.
2) All test samples were identified and encoded to maintain traceability throughout the test sequences.
3) After soldering, the parts to be used for LLCR and DWV/IR testing were cleaned according to TLWI-0001.
4) Either an automated cleaning procedure or an ultrasonic cleaning procedure may be used.
5) The automated procedure is used with aqueous compatible soldering materials.
6) Parts not intended for testing LLCR and DWV/IR are visually inspected and cleaned if necessary.
7) Any additional preparation will be noted in the individual test sequences.
8) Solder Information: Lead Free
9) Re-Flow Time/Temp: See accompanying profile.
10) Samtec Test PCBs used: PCB-102822-TST-XX

TYPICAL OVEN PROFILE (Soldering Parts to Test Boards)



FLOWCHARTS

Gas Tight

TEST STEP	GROUP A1 192 Points
01	LLCR-1
02	Gas Tight
03	LLCR-2

Gas Tight = EIA-364-36A

LLCR = EIA-364-23, LLCR

20 mV Max, 100 mA Max

Use Keithley 580 or 3706 in 4 wire dry circuit mode

FLOWCHARTS Continued

Durability/Mating/Unmating/Gaps

TEST STEP	GROUP A1 8 Boards (100 Cycles)
01	Contact Gaps
02	LLCR-1
03	Forces - Mating / Unmating
04	25 Cycles
05	Forces - Mating / Unmating
06	25 Cycles (50 Total)
09	Forces - Mating / Unmating
10	50 Cycles (100 Total)
11	Forces - Mating / Unmating
12	Clean w/Compressed Air
13	Contact Gaps
14	LLCR-2
15	Thermal Shock (Mated and Undisturbed)
16	LLCR-3
17	Cyclic Humidity (Mated and Undisturbed)
18	LLCR-4
19	Forces - Mating / Unmating

Thermal Shock = EIA-364-32, Table II, Test Condition I:

-55°C to +85°C 1/2 hour dwell, 100 cycles

Humidity = EIA-364-31, Test Condition B (240 Hours)

and Method III (+25°C to +65°C @ 90% RH to 98% RH)

ambient pre-condition and delete steps 7a and 7b

Mating / Unmating Forces = EIA-364-13

Contact Gaps / Height - No standard method. Usually measured optically.

Gaps to be taken on a minimum of 20% of each part tested

LLCR = EIA-364-23, LLCR

20 mV Max, 100 mA Max

Use Keithley 580 or 3706 in 4 wire dry circuit mode

FLOWCHARTS Continued

Mechanical Shock / Vibration / LLCR

TEST STEP	GROUP A1 192 Points
01	LLCR-1
02	Shock
03	Vibration
04	LLCR-2

Mechanical Shock = EIA 364-27 Half Sine,

100 g's, 6 milliSeconds (Condition "C") each axis

Vibration = EIA 364-28, Random Vibration

7.56 g RMS, Condition VB --- 2 hours/axis

LLCR = EIA-364-23, LLCR

20 mV Max, 100 mA Max

Use Keithley 580 or 3706 in 4 wire dry circuit mode

Shock / Vibration / nanoSecond Event Detection

TEST STEP	GROUP A1 60 Points
01	Event Detection, Shock
02	Event Detection, Vibration

Mechanical Shock = EIA 364-27 Half Sine,

100 g's, 6 milliSeconds (Condition "C") each axis

Vibration = EIA 364-28, Random Vibration

7.56 g RMS, Condition VB --- 2 hours/axis

Event detection requirement during Shock / Vibration is 50 nanoseconds minimum

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

THERMAL SHOCK:

1) EIA-364-32, *Thermal Shock (Temperature Cycling) Test Procedure for Electrical Connectors.*
2) Test Condition 1: -55°C to +85°C
3) Test Time: ½ hour dwell at each temperature extreme
4) Number of Cycles: 100
5) All test samples are pre-conditioned at ambient.
6) All test samples are exposed to environmental stressing in the mated condition.

HUMIDITY:

1) Reference document: EIA-364-31, *Humidity Test Procedure for Electrical Connectors.*
2) Test Condition B, 240 Hours.
3) Method III, +25° C to + 65° C, 90% to 98% Relative Humidity excluding sub-cycles 7a and 7b.
4) All samples are pre-conditioned at ambient.
5) All test samples are exposed to environmental stressing in the mated condition.

CONTACT GAPS:

1) Gaps above the surrounding plastic surface were measured before and after stressing the contacts (e.g. thermal aging, mechanical cycling, etc.).
2) Typically, all contacts on the connector are measured.

MATING/UNMATING:

1) Reference document: EIA-364-13, *Mating and Unmating Forces Test Procedure for Electrical Connectors*.
2) The full insertion position was to within 0.003" to 0.004" of the plug bottoming out in the receptacle to prevent damage to the system under test.
3) One of the mating parts is secured to a floating X-Y table to prevent damage during cycling.

MECHANICAL SHOCK (Specified Pulse):

1) Reference document: EIA-364-27, *Mechanical Shock Test Procedure for Electrical Connectors*
2) Test Condition C
3) Peak Value: 100 G
4) Duration: 6 Milliseconds
5) Wave Form: Half Sine
6) Velocity: 12.3 ft/s
7) Number of Shocks: 3 Shocks / Direction, 3 Axis (18 Total)

VIBRATION:

1) Reference document: EIA-364-28, *Vibration Test Procedure for Electrical Connectors*
2) Test Condition V, Letter B
3) Power Spectral Density: 0.04 G^2 / Hz
4) G 'RMS': 7.56
5) Frequency: 50 to 2000 Hz
6) Duration: 2.0 Hours per axis (3 axis total)

NANOSECOND-EVENT DETECTION:

1) Reference document: EIA-364-87, *Nanosecond-Event Detection for Electrical Connectors*
2) Prior to test, the samples were characterized to assure the low nanosecond event being monitored will trigger the detector.
3) After characterization it was determined the test samples could be monitored for 50 nanosecond events

LLCR:

1) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
2) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
3) The following guidelines are used to categorize the changes in LLCR as a result from stressing
    a. <= +5.0 mOhms: ----------Stable
    b. +5.1 to +10.0 mOhms:----------Minor
    c. +10.1 to +15.0 mOhms: ----------Acceptable
    d. +15.1 to +50.0 mOhms: ----------Marginal
    e. +50.1 to +2000 mOhms: ----------Unstable
    f. >+2000 mOhms:----------Open Failure

GAS TIGHT:

To provide method for evaluating the ability of the contacting surfaces in preventing penetration of harsh vapors which might lead to oxide formation that may degrade the electrical performance of the contact system.

1) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
2) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
3) The following guidelines are used to categorize the changes in LLCR as a result from stressing
    a. <= +5.0 mOhms: ----------Stable
    b. +5.1 to +10.0 mOhms:----------Minor
    c. +10.1 to +15.0 mOhms: ----------Acceptable
    d. +15.1 to +50.0 mOhms: ----------Marginal
    e. +50.1 to +2000 mOhms: ----------Unstable
    f. >+2000 mOhms:----------Open Failure
4) Procedure:
    a. Reference document: EIA-364-36, *Test Procedure for Determination of Gas-Tight Characteristics for Electrical Connectors, Sockets and/or Contact Systems*.
    b. Test Conditions:
        i. Class II--- Mated pairs of contacts assembled to their plastic housings.
        ii. Reagent grade Nitric Acid shall be used of sufficient volume to saturate the test chamber
        iii. The ratio of the volume of the test chamber to the surface area of the acid shall be 10:1.
        iv. The chamber shall be saturated with the vapor for at least 15 minutes before samples are added.
        v. Exposure time, 55 to 65 minutes.
        vi. The samples shall be no closer to the chamber walls than 1 inches and no closer to the surface of the acid than 3 inches.
        vii. The samples shall be dried after exposure for a minimum of 1 hour.
        viii. Drying temperature 50^{o} C
        ix. The final LLCR shall be conducted within 1 hour after drying.

RESULTS

Contact Gaps

- **Initial**
  - **Min ---------- 2.5808 mm**
  - **Max ---------- 2.7017 mm**
- **After 100 Cycles**
  - **Min ---------- 2.7051 mm**
  - **Max ---------- 2.8200 mm**

Mating – Unmating Forces

Group A1 (100 Cycles)

- **Initial**
  - **Mating**
    - **Min ---------- 5.82 Lbs**
    - **Max---------- 6.54 Lbs**
  - **Unmating**
    - **Min ---------- 6.17 Lbs**
    - **Max---------- 6.62 Lbs**
- **After 25 Cycles**
  - **Mating**
    - **Min ---------- 5.82 Lbs**
    - **Max---------- 6.22 Lbs**
  - **Unmating**
    - **Min ---------- 6.72 Lbs**
    - **Max---------- 7.23 Lbs**
- **After 50 Cycles**
  - **Mating**
    - **Min ---------- 5.81 Lbs**
    - **Max---------- 6.18 Lbs**
  - **Unmating**
    - **Min ---------- 7.37 Lbs**
    - **Max---------- 7.54 Lbs**
- **After 75 Cycles**
  - **Mating**
    - **Min ---------- 5.93 Lbs**
    - **Max---------- 6.31 Lbs**
  - **Unmating**
    - **Min ---------- 7.42 Lbs**
    - **Max---------- 7.98 Lbs**
- **After 100 Cycles**
  - **Mating**
    - **Min ---------- 5.99 Lbs**
    - **Max---------- 6.46 Lbs**
  - **Unmating**
    - **Min ---------- 7.59 Lbs**
    - **Max---------- 8.13 Lbs**
- **Humidity**
  - **Mating**
    - **Min ---------- 3.70 Lbs**
    - **Max---------- 4.37 Lbs**
  - **Unmating**
    - **Min ---------- 3.07 Lbs**
    - **Max---------- 4.01 Lbs**

RESULTS Continued

LLCR Durability (192 LLCR test points)

- **Initial ---------- 16.7 mOhms Max**
- **Durability, 100 Cycles**
  - **<= +5.0 mOhms ---------- 192 Points ---------- Stable**
  - **+5.1 to +10.0 mOhms ----------0 Points ---------- Minor**
  - **+10.1 to +15.0 mOhms ----------0 Points ---------- Acceptable**
  - **+15.1 to +50.0 mOhms ----------0 Points ---------- Marginal**
  - **+50.1 to +2000 mOhms----------0 Points ---------- Unstable**
  - **>+2000 mOhms----------0 Points ---------- Open Failure**
- **Thermal**
  - **<= +5.0 mOhms ---------- 190 Points ---------- Stable**
  - **+5.1 to +10.0 mOhms ----------2 Points ---------- Minor**
  - **+10.1 to +15.0 mOhms ----------0 Points ---------- Acceptable**
  - **+15.1 to +50.0 mOhms ----------0 Points ---------- Marginal**
  - **+50.1 to +2000 mOhms----------0 Points ---------- Unstable**
  - **>+2000 mOhms----------0 Points ---------- Open Failure**
- **Humidity**
  - **<= +5.0 mOhms ---------- 187 Points ---------- Stable**
  - **+5.1 to +10.0 mOhms ----------4 Points ---------- Minor**
  - **+10.1 to +15.0 mOhms ----------1 Points ---------- Acceptable**
  - **+15.1 to +50.0 mOhms ----------0 Points ---------- Marginal**
  - **+50.1 to +2000 mOhms----------0 Points ---------- Unstable**
  - **>+2000 mOhms----------0 Points ---------- Open Failure**

LLCR Gas Tight (192 LLCR test points)

- **Initial ---------- 13.0 mOhms Max**
- **Gas-Tight**
  - **<= +5.0 mOhms ---------- 192 Points ---------- Stable**
  - **+5.1 to +10.0 mOhms ----------0 Points ---------- Minor**
  - **+10.1 to +15.0 mOhms ----------0 Points ---------- Acceptable**
  - **+15.1 to +50.0 mOhms ----------0 Points ---------- Marginal**
  - **+50.1 to +2000 mOhms----------0 Points ---------- Unstable**
  - **>+2000 mOhms----------0 Points ---------- Open Failure**

RESULTS Continued

LLCR Mechanical Shock & Random Vibration (192 LLCR test points)

- **Initial ---------- 12.7 mOhms Max**
- **Shock & Vibration**
  - **<= +5.0 mOhms ---------- 192 Points ---------- Stable**
  - **+5.1 to +10.0 mOhms ----------0 Points ---------- Minor**
  - **+10.1 to +15.0 mOhms ----------0 Points ---------- Acceptable**
  - **+15.1 to +50.0 mOhms ----------0 Points ---------- Marginal**
  - **+50.1 to +2000 mOhms----------0 Points ---------- Unstable**
  - **>+2000 mOhms----------0 Points ---------- Open Failure**

Mechanical Shock & Random Vibration:

- **Shock**
  - **No Damage---------- ---------- Passed**
  - **50 Nanoseconds---------- ---------- Passed**
- **Vibration**
  - **No Damage---------- ---------- Passed**
  - **50 Nanoseconds---------- ---------- Passed**

DATA SUMMARIES

CONTACT GAPS:

Initial		After 100 Cycles	
Units:	mm	Units:	mm
Minimum	2.5808	***Minimum***	2.7051
Maximum	2.7017	***Maximum***	2.8200
Average	2.6292	***Average***	2.7505
St. Dev.	0.0242	***St. Dev.***	0.0284
Count	80	***Count***	80

MATING/UNMATING:

	Initial				After 25 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	25.90	5.82	27.44	6.17	25.89	5.82	29.90	6.72
Maximum	29.10	6.54	29.46	6.62	27.68	6.22	32.14	7.23
Average	27.91	**6.28**	28.56	**6.42**	27.08	**6.09**	31.40	**7.06**
St Dev	0.98	0.22	0.74	0.17	0.56	0.13	0.76	0.17
Count	8	8	8	8	8	8	8	8

	After 50 Cycles				After 75 Cycles			
	Mating		**Unmating**		**Mating**		**Unmating**	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	25.84	5.81	32.80	7.37	26.38	5.93	32.98	7.42
Maximum	27.48	6.18	33.54	7.54	28.08	6.31	35.51	7.98
Average	26.94	**6.06**	33.29	**7.48**	27.41	**6.16**	34.26	**7.70**
St Dev	0.55	0.12	0.30	0.07	0.57	0.13	0.74	0.17
Count	8	8	8	8	8	8	8	8

	After 100 Cycles				After Humidity			
	Mating		**Unmating**		**Mating**		**Unmating**	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	26.63	5.99	33.77	7.59	16.48	3.70	13.63	3.07
Maximum	28.74	6.46	36.17	8.13	19.43	4.37	17.85	4.01
Average	27.84	**6.26**	35.08	**7.89**	17.64	**3.96**	15.51	**3.49**
St Dev	0.69	0.16	0.79	0.18	1.05	0.24	1.32	0.30
Count	8	8	8	8	8	8	8	8

DATA SUMMARIES Continued

LLCR Durability:

1) A total of 192 points were measured.
2) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets.*
3) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
4) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
   a. <= +5.0 mOhms: ----------Stable
   b. +5.1 to +10.0 mOhms:----------Minor
   c. +10.1 to +15.0 mOhms: ----------Acceptable
   d. +15.1 to +50.0 mOhms: ----------Marginal
   e. +50.1 to +2000 mOhms ----------Unstable
   f. >+2000 mOhms:----------Open Failure

Date	2010-10-14	2010-10-25	2010-11-1	2010-11-11
Room Temp C	24	23	22.7	23
RH	38%	52%	27%	30%
Name	Tony Wagoner	Tony Wagoner	Troy Cook	Tony Wagoner
mOhm values	**Actual Initial**	**Delta 100 Cycles**	**Delta Thermal**	**Delta Humidity**
Average	11.3	0.1	-0.2	0.7
St. Dev.	0.8	0.8	1.2	1.7
Min	9.9	-4.1	-6.5	-3.6
Max	16.7	2.0	5.8	11.8
Count	192	192	192	192

How many samples are being tested?	8
How many contacts are on each board?	24

	Stable	Minor	Acceptable	Marginal	Unstable	Open
100 Cycles	192	0	0	0	0	192
Thermal	190	2	0	0	0	192
Humidity	187	4	1	0	0	192

DATA SUMMARIES Continued

GAS TIGHT:

1) A total of 192 points were measured.
2) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets.*
3) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
4) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
   a. <= +5.0 mOhms: ----------Stable
   b. +5.1 to +10.0 mOhms:----------Minor
   c. +10.1 to +15.0 mOhms: ----------Acceptable
   d. +15.1 to +50.0 mOhms: ----------Marginal
   e. +50.1 to +2000 mOhms: ----------Unstable
   f. >+2000 mOhms:----------Open Failure

Date	2010-10-8	2010-10-8
Room Temp C	23	23
RH	33%	34%
Name	Tony Wagoner	Tony Wagoner
mOhm values	**Actual Initial**	**Delta Gas Tight**
Average	11.1	0.1
St. Dev.	0.5	0.7
Min	9.8	-2.3
Max	13.0	2.5
Count	192	192

How many samples are being tested?	8
How many contacts are on each board?	24

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Gas Tight	192	0	0	0	0	192

DATA SUMMARIES Continued

LLCR Shock & Vibration:

1) A total of 192 points were measured.
2) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets.*
3) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
4) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
   a. <= +5.0 mOhms: ----------Stable
   b. +5.1 to +10.0 mOhms:----------Minor
   c. +10.1 to +15.0 mOhms: ----------Acceptable
   d. +15.1 to +50.0 mOhms: ----------Marginal
   e. +50.1 to +2000 mOhms ----------Unstable
   f. >+2000 mOhms:----------Open Failure

Date	10/14/2010	10/19/2010
Room Temp C	23	23
RH	38%	30%
Name	Tony Wagoner	Tony Wagoner
mOhm values	**Actual Initial**	**Delta Shock & Vib**
Average	10.6	-0.1
St. Dev.	0.4	0.2
Min	9.8	-1.0
Max	12.7	0.4
Count	192	192

How many samples are being tested?	8
How many contacts are on each board?	24

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Shock & Vib	192	0	0	0	0	0

Nanosecond Event Detection:

Shock and Vibration Event Detection Summary	
Contacts tested	60
Test Condition	C, 100g's, 6ms, Half-Sine
Shock Events	0
Test Condition	V-B, 7.56 rms g
Vibration Events	0
Total Events	0

DATA

CONTACT GAPS:

Initial								
Units: mm								
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**
1	2.6008	2.6018	2.5808	2.6018	2.5948	2.6138	2.6018	2.6328
2	2.6138	2.6148	2.6078	2.6088	2.5938	2.6578	2.6088	2.6288
3	2.6158	2.6178	2.6128	2.5948	2.5998	2.5978	2.6068	2.6198
4	2.6197	2.6367	2.6198	2.6238	2.6018	2.6508	2.6378	2.6168
5	2.6227	2.6287	2.6228	2.6198	2.6358	2.6117	2.6338	2.6118
6	2.6047	2.6267	2.6368	2.6198	2.6278	2.6507	2.6207	2.6007
7	2.6247	2.6347	2.6197	2.6118	2.6187	2.6217	2.6477	2.6308
8	2.6777	2.6467	2.6457	2.6447	2.6637	2.6967	2.6677	2.6247
9	2.6657	2.6328	2.6507	2.6317	2.6457	2.6637	2.6527	2.6347
10	2.6827	2.6587	2.6557	2.6247	2.6517	2.7017	2.6657	2.6307
After 100 Cycles								
Units: mm								
Pos.#	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**
1	2.7741	2.7561	2.7350	2.7230	2.7131	2.7370	2.7611	2.7771
2	2.7801	2.7771	2.7440	2.7240	2.7171	2.7651	2.7581	2.7811
3	2.7710	2.7681	2.7411	2.7181	2.7141	2.7271	2.7471	2.7811
4	2.7220	2.7831	2.7221	2.7240	2.7261	2.7751	2.7521	2.7481
5	2.7200	2.7511	2.7121	2.7051	2.7191	2.7341	2.7401	2.7301
6	2.7100	2.7681	2.7280	2.7191	2.7211	2.7691	2.7481	2.7371
7	2.7121	2.7611	2.7101	2.7081	2.7061	2.7420	2.7531	2.7441
8	2.7981	2.7651	2.7410	2.7330	2.7581	2.8140	2.7711	2.7661
9	2.8161	2.7711	2.7530	2.7461	2.7611	2.8200	2.7751	2.7850
10	2.7961	2.7721	2.7491	2.7331	2.7591	2.8151	2.7681	2.7801

DATA Continued

MATING/UNMATING:

	Initial		After 25 Cycles		After 50 Cycles		After 75 Cycles		After 100 Cycles	
Sample#	Mating	Unmating	Mating	Unmating	Mating	Unmating	Mating	Unmating	Mating	Unmating
1	6.54	6.62	6.15	7.16	6.06	7.53	6.15	7.66	6.28	8.02
2	6.30	6.62	6.07	7.23	6.07	7.53	6.12	7.81	6.23	7.97
3	6.31	6.53	6.07	7.15	6.03	7.51	6.19	7.98	6.28	8.13
4	6.46	6.44	6.22	7.18	6.16	7.54	6.30	7.79	6.46	7.86
5	6.38	6.37	6.19	7.09	6.18	7.49	6.31	7.64	6.36	8.02
6	6.13	6.24	6.03	7.06	5.98	7.52	6.06	7.71	6.10	7.80
7	6.27	6.37	6.14	6.88	6.17	7.38	6.23	7.42	6.39	7.59
8	5.82	6.17	5.82	6.72	5.81	7.37	5.93	7.61	5.99	7.72

	After Humidity	
Sample#	Mating	Unmating
1	3.95	3.63
2	3.71	3.29
3	4.16	3.42
4	4.37	4.01
5	4.12	3.67
6	3.93	3.25
7	3.78	3.56
8	3.70	3.07

DATA Continued

LLCR Durability:

	mOhm values	Actual	Delta	Delta	Delta
Board	Position	Initial	100 Cycles	Thermal	Humidity
1	P1	10.5	0.4	-0.3	0.1
1	P2	11.1	0.3	-0.8	0.0
1	P3	11.1	-0.6	-1.2	0.3
1	P4	10.9	0.4	-0.5	0.6
1	P5	10.7	0.3	-0.2	1.8
1	P6	10.1	0.2	0.6	4.7
1	P7	10.7	0.3	0.3	1.6
1	P8	11.0	0.0	0.2	0.5
1	P9	10.4	0.4	0.3	0.9
1	P10	10.3	0.0	0.3	0.9
1	P11	10.4	0.4	0.3	0.7
1	P12	11.2	0.2	-1.0	0.1
1	P13	10.7	0.2	-0.5	1.4
1	P14	11.4	-0.1	-0.7	0.3
1	P15	11.4	-0.3	-0.9	-0.5
1	P16	11.2	0.6	-1.1	0.4
1	P17	11.2	-0.2	-0.9	-0.2
1	P18	10.6	0.1	0.4	0.3
1	P19	10.8	-0.3	-0.8	-0.5
1	P20	11.0	-0.5	0.0	1.0
1	P21	11.5	-0.3	-0.7	1.1
1	P22	11.5	-0.5	-1.1	0.7
1	P23	11.3	-0.2	-0.6	-0.5
1	P24	10.9	0.4	-0.5	0.6
2	P1	11.3	0.1	-1.2	0.3
2	P2	11.6	-0.1	-1.3	-0.8
2	P3	11.5	-0.3	-1.3	0.4
2	P4	11.3	0.0	-0.9	-0.3
2	P5	10.0	0.0	1.5	0.5
2	P6	10.3	0.4	0.0	0.4
2	P7	10.9	0.8	0.4	0.7
2	P8	11.4	-0.2	-0.8	-0.8
2	P9	11.1	0.8	-0.7	-0.1
2	P10	11.4	0.0	-0.8	-0.7
2	P11	10.9	0.5	-0.4	0.0
2	P12	10.4	0.7	-0.1	-0.2
2	P13	10.6	0.3	0.1	0.4
2	P14	11.0	0.3	-0.4	0.4
2	P15	11.1	-0.3	-0.2	0.1
2	P16	11.3	-0.4	-1.0	0.2
2	P17	10.8	-0.1	-0.1	0.5
2	P18	11.7	-0.5	-0.2	1.8

2	P19	10.5	-0.5	-0.7	-0.4
2	P20	10.6	2.0	-0.3	2.9
2	P21	11.8	0.1	-1.6	-0.3
2	P22	10.5	1.1	-0.2	0.8
2	P23	10.6	0.6	-0.5	0.9
2	P24	11.5	0.8	-1.1	0.3
3	P1	10.3	1.2	0.7	5.7
3	P2	11.1	0.6	-0.2	1.2
3	P3	11.0	0.0	0.3	1.7
3	P4	11.1	0.4	-0.3	1.0
3	P5	10.5	0.3	-0.2	2.5
3	P6	11.9	-1.1	-1.4	11.8
3	P7	10.8	0.4	0.6	1.2
3	P8	11.3	0.2	-1.0	0.0
3	P9	11.3	-0.1	-0.9	0.6
3	P10	11.3	0.0	-0.8	0.7
3	P11	11.4	-0.4	-0.9	0.8
3	P12	11.8	0.0	-0.9	0.1
3	P13	10.8	0.4	-0.3	1.2
3	P14	16.7	-4.1	-6.5	-3.3
3	P15	11.0	0.2	0.9	0.3
3	P16	11.5	-0.3	0.0	0.7
3	P17	11.1	0.3	1.0	0.5
3	P18	11.2	-0.4	0.3	0.0
3	P19	10.9	-0.6	0.5	0.2
3	P20	10.8	1.2	0.1	1.6
3	P21	11.5	0.4	1.6	1.0
3	P22	10.9	0.9	0.7	2.8
3	P23	10.8	0.6	0.5	5.8
3	P24	10.8	1.0	0.2	1.8
4	P1	10.7	0.0	0.9	0.1
4	P2	11.6	0.6	-0.6	0.8
4	P3	10.4	1.4	1.3	1.1
4	P4	11.1	0.2	-0.3	0.0
4	P5	10.8	-0.1	-0.6	-0.1
4	P6	10.5	0.1	2.4	1.4
4	P7	11.0	0.1	2.6	0.5
4	P8	11.5	0.0	0.2	0.0
4	P9	11.4	-0.2	0.8	-0.6
4	P10	11.4	-0.1	2.6	-0.4
4	P11	11.2	-0.2	0.7	-0.2
4	P12	10.8	-0.4	0.9	0.0
4	P13	11.2	-0.3	2.3	-0.3
4	P14	12.4	-0.7	0.0	-0.1
4	P15	11.3	-0.1	2.5	-0.1
4	P16	12.2	-0.1	-1.3	2.0
4	P17	11.1	0.8	0.1	1.3
4	P18	11.3	1.3	-0.1	0.6
4	P19	10.8	-0.1	0.3	1.0

4	P20	10.4	0.8	1.0	0.4
4	P21	10.7	0.1	2.3	0.0
4	P22	10.5	0.5	2.7	0.4
4	P23	11.5	0.1	0.8	0.5
4	P24	11.1	-0.3	0.5	-0.3
5	P1	10.3	1.2	0.6	2.0
5	P2	11.2	-0.5	-0.3	0.4
5	P3	10.2	0.9	1.5	1.9
5	P4	10.4	0.5	-0.1	3.1
5	P5	9.9	0.4	2.3	2.0
5	P6	10.6	0.0	-0.3	1.3
5	P7	10.7	1.1	0.4	0.5
5	P8	11.2	0.2	-0.3	0.6
5	P9	10.4	0.6	-0.1	0.5
5	P10	10.7	1.6	-0.3	0.7
5	P11	10.4	0.9	0.4	0.9
5	P12	10.7	0.4	-0.4	0.4
5	P13	10.8	0.7	0.4	1.6
5	P14	10.8	1.3	0.5	1.5
5	P15	11.1	0.6	-0.5	0.7
5	P16	10.4	1.0	0.3	0.6
5	P17	11.3	-0.1	-0.5	0.0
5	P18	11.1	-0.3	-0.4	1.5
5	P19	10.9	0.7	-0.6	1.5
5	P20	10.7	0.3	2.5	0.4
5	P21	11.1	0.4	0.1	0.1
5	P22	10.5	0.1	2.3	2.1
5	P23	10.3	1.3	3.4	1.0
5	P24	10.4	1.2	0.4	1.0
6	P1	10.9	1.0	0.2	0.2
6	P2	13.4	-1.3	-1.8	-1.9
6	P3	11.6	-0.6	-1.1	-0.3
6	P4	11.4	0.7	-0.9	-0.5
6	P5	11.6	-1.2	-1.0	-1.1
6	P6	13.7	-3.1	-1.6	-3.6
6	P7	15.1	-3.7	-1.9	-3.2
6	P8	12.6	-1.6	0.7	-1.3
6	P9	13.8	-2.5	-2.8	-2.3
6	P10	12.1	-1.1	0.1	-0.2
6	P11	11.7	-0.9	0.3	-0.5
6	P12	12.5	-1.1	1.1	-0.6
6	P13	13.0	-2.0	-1.6	-1.4
6	P14	12.5	-0.7	-1.2	-0.8
6	P15	11.5	-0.9	-0.4	-0.4
6	P16	12.5	-1.3	-1.2	-1.6
6	P17	11.2	0.1	0.3	1.9
6	P18	12.6	-1.8	-0.9	-1.1
6	P19	9.9	0.3	1.5	1.1
6	P20	10.7	0.5	-0.2	1.2

6	P21	10.9	1.3	5.8	0.0
6	P22	11.9	0.4	-0.6	-0.3
6	P23	11.1	0.9	2.1	0.9
6	P24	13.4	-0.2	-2.4	-1.9
7	P1	10.9	0.2	-0.3	0.3
7	P2	12.6	0.9	-1.1	0.9
7	P3	11.4	-0.4	0.8	-0.1
7	P4	12.0	-0.6	-1.4	-0.5
7	P5	10.9	0.0	0.5	1.0
7	P6	11.2	-0.9	-0.7	1.0
7	P7	11.9	-0.8	-0.7	-0.8
7	P8	11.5	-0.5	0.6	-0.2
7	P9	10.8	0.6	0.2	0.4
7	P10	11.0	1.1	-0.2	0.6
7	P11	10.9	0.3	0.2	1.3
7	P12	11.8	-0.4	-0.9	9.8
7	P13	12.9	-0.8	-1.4	0.7
7	P14	11.7	-0.6	-1.3	2.8
7	P15	12.5	-1.2	-2.3	0.1
7	P16	11.2	0.1	-0.3	0.9
7	P17	11.6	-0.5	-1.3	1.0
7	P18	12.8	-0.3	-2.0	0.7
7	P19	11.1	0.1	-1.3	-0.1
7	P20	11.1	-0.5	0.0	-0.2
7	P21	11.7	0.0	-0.3	-0.8
7	P22	11.4	0.5	-0.2	-0.1
7	P23	11.6	0.3	0.0	-0.6
7	P24	12.1	-0.3	-0.2	-0.9
8	P1	12.0	-0.8	-1.5	-0.5
8	P2	11.5	0.9	-1.2	0.9
8	P3	11.3	0.7	-0.9	0.4
8	P4	11.5	0.0	-1.1	0.2
8	P5	10.6	0.5	-0.5	1.7
8	P6	10.7	-0.1	-1.2	0.1
8	P7	11.6	-0.3	-1.3	1.2
8	P8	11.3	0.7	-1.1	0.1
8	P9	11.2	0.9	-1.2	1.5
8	P10	11.1	1.6	-0.9	3.0
8	P11	10.8	1.5	-0.6	8.5
8	P12	11.2	0.2	-1.2	3.8
8	P13	10.9	1.2	-0.6	2.5
8	P14	11.4	1.0	-1.3	3.1
8	P15	11.0	0.5	-0.3	2.6
8	P16	12.2	1.5	-1.7	2.3
8	P17	10.7	0.6	-0.3	1.7
8	P18	12.0	0.2	-1.5	0.6
8	P19	10.4	0.1	-0.8	1.3
8	P20	11.3	-0.3	-1.2	0.1
8	P21	11.7	1.8	-0.9	1.0

8	P22	12.1	0.0	-1.5	-0.3
8	P23	11.3	0.3	-0.8	-0.2
8	P24	11.5	0.3	-0.4	1.2

LLCR GAS TIGHT:

	mOhm values	Actual	Delta
Board	**Position**	**Initial**	**Gas Tight**
1	P1	11.1	0.0
1	P2	11.4	-0.5
1	P3	11.4	-1.1
1	P4	11.2	-0.1
1	P5	11.2	-0.4
1	P6	11.1	-1.0
1	P7	11.1	0.1
1	P8	11.4	0.0
1	P9	11.1	0.1
1	P10	11.3	-0.6
1	P11	11.7	-0.2
1	P12	12.6	-1.1
1	P13	12.0	-0.8
1	P14	11.3	0.2
1	P15	11.7	-0.7
1	P16	11.9	-1.2
1	P17	12.2	-0.9
1	P18	12.1	-1.4
1	P19	11.1	-0.7
1	P20	10.9	-0.9
1	P21	11.9	-1.5
1	P22	11.8	-0.8
1	P23	11.5	-0.3
1	P24	13.0	-2.3
2	P1	11.0	-0.4
2	P2	10.8	0.1
2	P3	10.6	0.6
2	P4	10.7	0.6
2	P5	10.2	0.7
2	P6	10.3	0.0
2	P7	11.0	-0.2
2	P8	10.5	0.8
2	P9	10.6	0.3
2	P10	10.7	0.2
2	P11	11.1	0.3
2	P12	10.7	0.7
2	P13	11.1	0.3
2	P14	11.7	-0.3
2	P15	11.0	0.9

2	P16	10.8	0.8
2	P17	10.9	1.1
2	P18	10.7	1.4
2	P19	10.5	0.6
2	P20	10.5	0.7
2	P21	11.0	0.7
2	P22	10.7	0.9
2	P23	10.6	1.1
2	P24	10.6	0.6
3	P1	10.6	0.3
3	P2	11.2	0.6
3	P3	10.9	0.3
3	P4	11.1	-0.6
3	P5	10.5	-0.3
3	P6	10.4	0.4
3	P7	10.9	0.1
3	P8	10.9	1.0
3	P9	11.0	0.4
3	P10	11.0	0.5
3	P11	11.0	0.5
3	P12	10.6	1.4
3	P13	11.2	0.1
3	P14	11.4	0.8
3	P15	11.0	0.1
3	P16	11.4	-0.3
3	P17	11.0	0.9
3	P18	11.3	0.1
3	P19	10.4	0.1
3	P20	10.4	0.3
3	P21	10.6	-0.1
3	P22	11.5	-0.7
3	P23	11.3	-0.3
3	P24	11.4	-0.3
4	P1	11.1	-0.2
4	P2	11.5	0.6
4	P3	11.4	-0.6
4	P4	10.9	0.3
4	P5	10.5	0.5
4	P6	10.7	-0.1
4	P7	11.2	-0.2
4	P8	10.9	0.6
4	P9	11.1	0.2
4	P10	11.1	-0.1
4	P11	11.4	0.1
4	P12	11.6	-0.2
4	P13	11.0	-0.1
4	P14	11.9	-0.7
4	P15	11.8	-0.8
4	P16	11.2	0.1

4	P17	12.5	-0.7
4	P18	11.4	-0.2
4	P19	10.7	-0.4
4	P20	11.2	-0.6
4	P21	11.2	0.0
4	P22	10.9	0.7
4	P23	11.6	-0.5
4	P24	11.1	0.5
5	P1	11.2	0.0
5	P2	10.8	0.6
5	P3	10.4	1.1
5	P4	11.1	0.3
5	P5	10.7	0.5
5	P6	9.9	1.3
5	P7	11.0	0.2
5	P8	11.2	0.3
5	P9	11.0	0.2
5	P10	10.6	0.9
5	P11	11.3	0.5
5	P12	11.6	1.0
5	P13	11.0	1.2
5	P14	11.4	0.1
5	P15	11.1	0.9
5	P16	10.7	1.5
5	P17	11.2	1.0
5	P18	10.5	1.6
5	P19	10.4	0.8
5	P20	9.8	1.3
5	P21	10.3	1.7
5	P22	10.9	0.9
5	P23	11.2	0.4
5	P24	10.6	2.5
6	P1	10.6	0.4
6	P2	10.9	0.0
6	P3	11.1	-0.3
6	P4	11.3	-0.5
6	P5	10.8	-0.4
6	P6	10.2	0.2
6	P7	10.8	0.4
6	P8	11.2	-0.6
6	P9	10.9	-0.1
6	P10	10.8	-0.1
6	P11	11.1	0.0
6	P12	11.1	-0.3
6	P13	11.3	-0.2
6	P14	11.3	0.4
6	P15	11.9	-0.9
6	P16	11.4	-0.5
6	P17	12.0	-1.0

6	P18	11.7	-0.8
6	P19	10.8	-0.3
6	P20	11.0	-0.5
6	P21	11.4	-0.3
6	P22	11.4	-0.7
6	P23	11.6	-0.8
6	P24	11.2	-0.5
7	P1	10.7	-0.1
7	P2	11.5	-0.2
7	P3	11.1	0.1
7	P4	10.4	0.8
7	P5	10.0	0.4
7	P6	10.5	-0.2
7	P7	11.0	0.0
7	P8	12.0	-1.0
7	P9	11.5	-0.4
7	P10	11.5	-0.4
7	P11	11.3	0.0
7	P12	11.6	-0.9
7	P13	11.3	0.0
7	P14	11.6	-0.2
7	P15	11.1	-0.1
7	P16	11.0	0.4
7	P17	11.7	-0.7
7	P18	11.3	0.2
7	P19	10.3	0.2
7	P20	10.7	-0.1
7	P21	10.6	0.1
7	P22	10.5	0.9
7	P23	10.4	0.9
7	P24	10.8	0.5
8	P1	11.0	0.4
8	P2	12.1	-0.4
8	P3	10.8	0.6
8	P4	11.0	0.0
8	P5	10.9	-0.5
8	P6	10.5	0.2
8	P7	10.8	0.6
8	P8	11.2	-0.1
8	P9	10.9	0.4
8	P10	11.2	0.1
8	P11	11.2	0.3
8	P12	11.3	0.4
8	P13	10.8	0.4
8	P14	11.0	1.0
8	P15	10.8	1.4
8	P16	10.8	0.7
8	P17	10.9	1.3
8	P18	11.2	0.4

8	P19	10.4	0.3
8	P20	10.6	0.7
8	P21	11.0	0.0
8	P22	11.5	-0.5
8	P23	10.8	0.9
8	P24	11.5	-0.4

LLCR Shock / Vibration:

	mOhm values	Actual	Delta
Board	**Position**	**Initial**	**Shock & Vib**
1	P1	10.2	0.3
1	P2	10.3	0.3
1	P3	10.2	0.2
1	P4	10.3	0.4
1	P5	10.1	0.3
1	P6	9.8	0.2
1	P7	10.5	0.1
1	P8	10.3	-0.2
1	P9	10.4	-0.3
1	P10	10.2	-0.1
1	P11	10.7	-0.3
1	P12	10.3	0.1
1	P13	11.0	-0.1
1	P14	10.5	0.0
1	P15	10.4	-0.2
1	P16	10.7	0.2
1	P17	10.6	-0.3
1	P18	10.3	0.1
1	P19	10.5	0.2
1	P20	10.6	0.4
1	P21	10.5	0.1
1	P22	10.1	0.0
1	P23	10.5	0.0
1	P24	10.2	0.1
2	P1	10.4	0.4
2	P2	10.4	-0.1
2	P3	10.2	-0.2
2	P4	10.4	-0.1
2	P5	10.5	-0.1
2	P6	9.8	0.0
2	P7	11.1	-0.2
2	P8	10.8	-0.2
2	P9	10.9	-0.4
2	P10	10.5	-0.2
2	P11	10.3	-0.2

2	P12	10.5	-0.3
2	P13	10.8	-0.2
2	P14	9.9	-0.1
2	P15	10.4	0.0
2	P16	10.4	-0.2
2	P17	10.8	-0.5
2	P18	10.6	-0.3
2	P19	10.3	-0.2
2	P20	10.3	-0.1
2	P21	10.4	-0.1
2	P22	10.6	-0.3
2	P23	10.1	-0.1
2	P24	10.8	-0.4
3	P1	10.5	-0.2
3	P2	11.7	0.0
3	P3	11.3	-0.5
3	P4	10.4	-0.3
3	P5	11.8	-0.4
3	P6	10.0	-0.2
3	P7	10.7	-0.1
3	P8	10.8	-0.4
3	P9	11.4	-0.6
3	P10	10.8	-0.2
3	P11	10.8	-0.2
3	P12	11.1	-0.1
3	P13	11.4	-0.7
3	P14	10.6	-0.1
3	P15	11.2	-0.4
3	P16	11.0	-0.6
3	P17	11.2	-0.4
3	P18	11.3	-0.8
3	P19	10.2	-0.4
3	P20	11.1	-0.1
3	P21	10.9	-0.3
3	P22	11.2	-0.4
3	P23	10.9	-0.6
3	P24	11.1	-0.3
4	P1	10.5	0.2
4	P2	10.3	0.1
4	P3	10.5	0.1
4	P4	10.2	0.1
4	P5	10.3	0.1
4	P6	9.8	0.0
4	P7	10.2	0.1
4	P8	10.3	0.0
4	P9	10.2	0.0
4	P10	10.2	0.0
4	P11	10.1	0.0
4	P12	10.6	0.0

4	P13	10.1	0.0
4	P14	10.4	0.0
4	P15	10.8	-0.2
4	P16	10.7	-0.1
4	P17	10.4	0.0
4	P18	10.3	0.1
4	P19	10.0	0.0
4	P20	10.4	0.0
4	P21	10.6	0.0
4	P22	10.7	0.0
4	P23	10.9	-0.1
4	P24	11.0	0.0
5	P1	10.5	0.0
5	P2	11.0	0.0
5	P3	10.6	-0.1
5	P4	10.7	-0.3
5	P5	9.8	0.1
5	P6	10.0	0.2
5	P7	11.0	-0.1
5	P8	10.6	0.1
5	P9	10.6	0.0
5	P10	10.4	-0.1
5	P11	10.6	-0.1
5	P12	11.0	-0.1
5	P13	10.4	-0.2
5	P14	10.4	-0.1
5	P15	10.4	0.0
5	P16	10.3	-0.2
5	P17	10.3	0.0
5	P18	10.5	-0.1
5	P19	10.2	0.1
5	P20	11.2	0.0
5	P21	10.7	-0.1
5	P22	10.6	0.0
5	P23	10.7	0.0
5	P24	11.0	0.1
6	P1	11.1	-0.3
6	P2	11.3	-0.4
6	P3	10.9	-0.1
6	P4	11.0	0.0
6	P5	10.3	0.2
6	P6	10.2	0.2
6	P7	11.0	-0.1
6	P8	11.3	-0.3
6	P9	11.0	-0.2
6	P10	10.8	-0.2
6	P11	10.9	-0.3
6	P12	11.3	-0.3
6	P13	10.8	-0.4

6	P14	11.0	-0.3
6	P15	10.6	-0.1
6	P16	11.9	-1.0
6	P17	11.4	-0.3
6	P18	10.4	-0.2
6	P19	10.3	-0.2
6	P20	11.3	-0.6
6	P21	11.2	0.2
6	P22	11.5	0.0
6	P23	10.7	-0.1
6	P24	10.8	-0.4
7	P1	10.9	-0.5
7	P2	10.5	-0.3
7	P3	10.7	-0.1
7	P4	10.5	-0.3
7	P5	10.3	-0.2
7	P6	10.6	-0.3
7	P7	11.4	-0.4
7	P8	11.0	-0.1
7	P9	11.0	-0.2
7	P10	10.5	-0.1
7	P11	10.8	-0.1
7	P12	11.0	-0.1
7	P13	10.6	-0.1
7	P14	10.5	-0.1
7	P15	10.6	-0.1
7	P16	10.2	-0.1
7	P17	12.7	-0.5
7	P18	10.9	-0.2
7	P19	10.4	-0.4
7	P20	10.4	-0.2
7	P21	10.9	-0.4
7	P22	10.5	-0.1
7	P23	10.2	-0.1
7	P24	10.7	-0.3
8	P1	10.4	-0.1
8	P2	10.8	-0.1
8	P3	10.5	-0.3
8	P4	10.7	-0.1
8	P5	10.3	-0.1
8	P6	10.0	-0.2
8	P7	11.0	-0.1
8	P8	11.2	-0.1
8	P9	10.5	-0.1
8	P10	10.6	-0.2
8	P11	10.7	-0.2
8	P12	10.8	-0.2
8	P13	10.3	-0.1
8	P14	10.7	-0.1

8	P15	10.9	-0.2
8	P16	10.9	-0.1
8	P17	10.5	-0.1
8	P18	11.0	0.0
8	P19	10.0	-0.3
8	P20	10.3	-0.4
8	P21	10.5	-0.1
8	P22	10.8	-0.2
8	P23	10.6	-0.1
8	P24	10.5	-0.2

EQUIPMENT AND CALIBRATION SCHEDULES

Equipment #: TSC-01
Description: Vertical Thermal Shock Chamber
Manufacturer: Cincinnati Sub Zero
Model: VTS-3-6-6-SC/AC
Serial #: 10-VT14993
Accuracy: See Manual
… Last Cal: 05/18/2010, Next Cal: 05/18/2011

Equipment #: THC-01
Description: Temperature/Humidity Chamber (Chamber Room)
Manufacturer: Thermotron
Model: SM-8-7800
Serial #: 30676
Accuracy: See Manual
… Last Cal: 02/24/2010, Next Cal: 02/24/2011

Equipment #: MO-11
Description: Switch/Multimeter
Manufacturer: Keithley
Model: 3706
Serial #: 120169
Accuracy: See Manual See Manual
… Last Cal: 08/21/2009, Next Cal: 08/21/2010

Equipment #: TCT-07
Description: Automated Test Stand
Manufacturer: Chatillon/Lloyd
Model: LF Plus
Serial #: LF1310
Accuracy: See Manual
… Last Cal: 07/15/2010, Next Cal: 07/15/2011

Equipment #: SVC-01
Description: Shock & Vibration Table
Manufacturer: Data Physics
Model: LE-DSA-10-20K
Serial #: 10037
Accuracy: See Manual
… Last Cal: 11/31/2009, Next Cal: 11/31/2010

Equipment #: ACLM-01
Description: Accelerometer
Manufacturer: PCB Piezotronics
Model: 352C03
Serial #: 115819
Accuracy: See Manual
… Last Cal: 07/09/2010, Next Cal: 07/09/2011

Equipment #: ED-03
Description: Event Detector
Manufacturer: Analysis Tech
Model: 32EHD
Serial #: 1100604
Accuracy: See Manual
… Last Cal: 06/04/2010, Next Cal: 06/04/2011