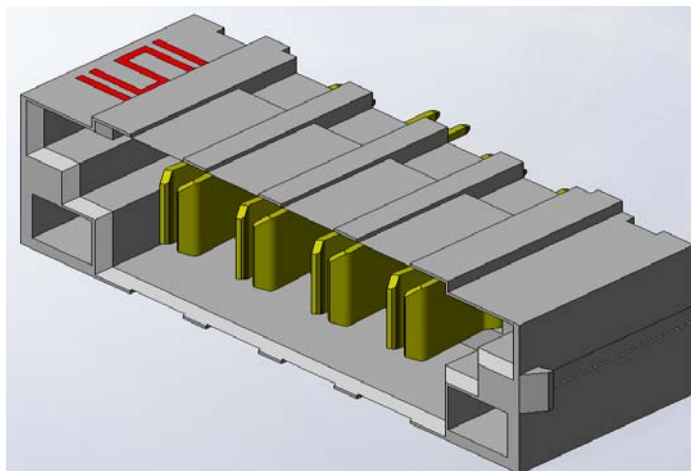
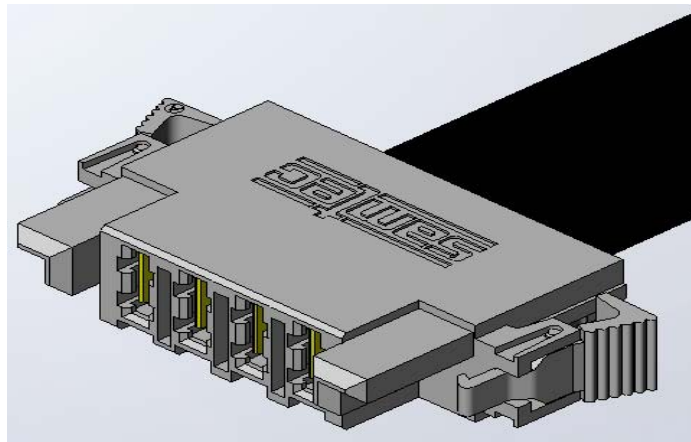




Project Number: Design Qualification Test Report		Tracking Code: 111667_Report_Rev_2	
Requested by: Neal Patterson		Date: 4/6/2011	Product Rev: 0
Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT		Lot #: N/A	Tech: David Lieber Eng: Eric Ming
Part description: PESS\PET			Qty to test: 60
Test Start: 11/24/2010		Test Completed: 12/30/2010	



Design Qualification Test Report

PESS\PET

PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

CERTIFICATION

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

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SCOPE

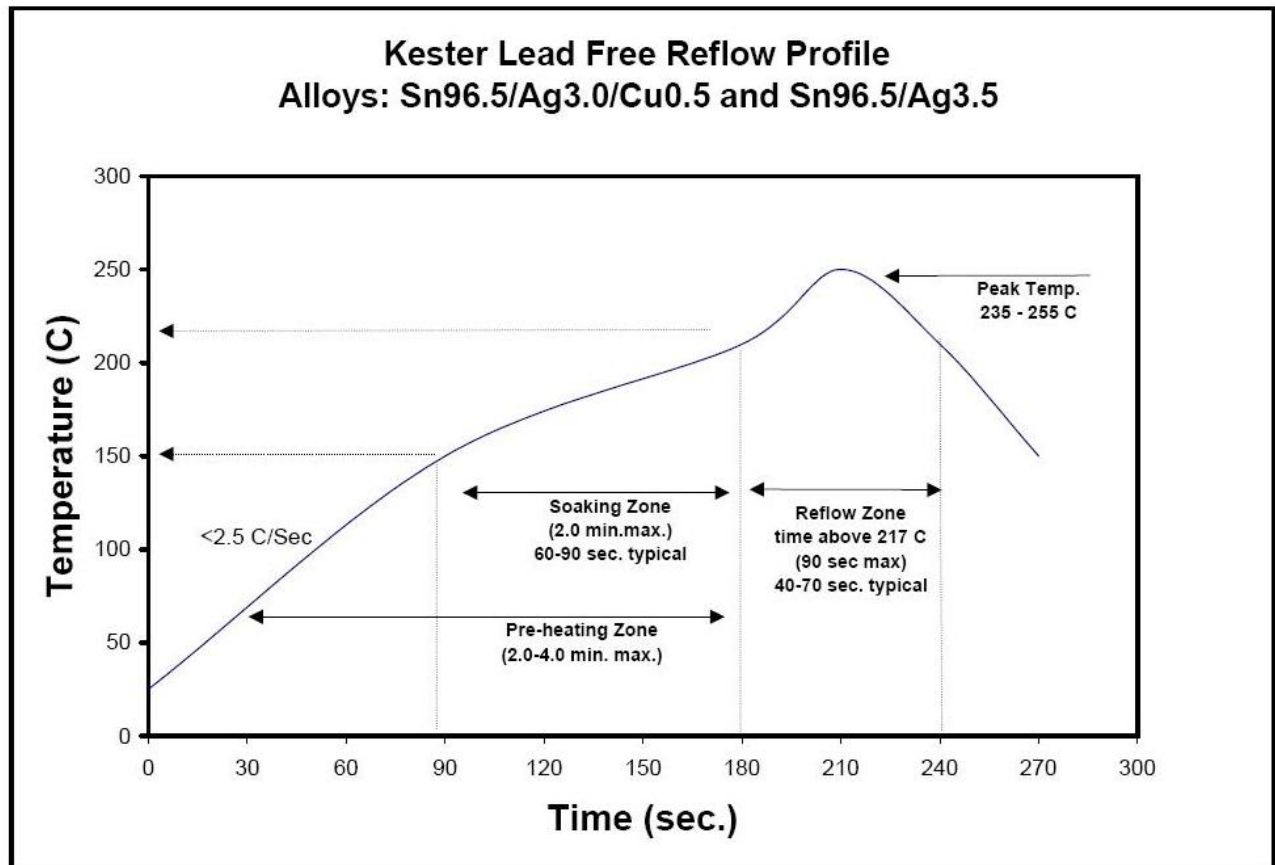
To perform the following tests: Design Qualification Test, Please see test plan.

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-102794-TST -XX

TYPICAL OVEN PROFILE (Soldering Parts to Test Boards)

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

FLOWCHARTS

Gas Tight

TEST STEP	GROUP A1 6 Boards (12 Connectors) 84 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

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

FLOWCHARTS Continued

IR & DWV

TEST STEP	GROUP A1 2 Mated Sets Break Down Pin-to-Pin	GROUP A2 2 Unmated of Part # Being Tested Break Down Pin-to-Pin	GROUP A3 2 Unmated of Mating Part # Break Down Pin-to-Pin	GROUP B1 2 Mated Sets Pin-to-Pin
01	DW V/Break Down Voltage	DWV/Break Down Voltage	DWV/Break Down Voltage	IR & DWV at test voltage (on both mated sets and on each connector unmated)
02				Thermal Shock (Mated and Undisturbed)
03				IR & DWV at test voltage (on both mated sets and on each connector unmated)
04				Cyclic Humidity (Mated and Undisturbed)
05				IR & DWV at test voltage (on both mated sets and on each connector unmated)

DWV on Group B1 to be performed at Test Voltage

DWV test voltage is equal to 75% of the lowest break down voltage from Groups A1, A2 or A3

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

IR = EIA-364-21

DWV = EIA-364-20, Test Condition 1

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

FLOWCHARTS Continued

Thermal Aging

TEST STEP	GROUP A1 6 Boards (12 Connectors) 84 Points
	Thermal Aging (Mated)
01	Contact Gaps
02	Forces - Mating / Unmating
03	LLCR-1
04	Thermal Aging (Mated and Undisturbed)
05	LLCR-2
06	Forces - Mating / Unmating
07	Contact Gaps

Thermal Aging = EIA-364-17, Test Condition 4 (105°C)

Time Condition 'B' (250 Hours)

Mating / Unmating Forces = EIA-364-13

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

LLCR = EIA-364-23, LLCR

20 mV Max, 100 mA Max

Use Keithley 580 or 3706 in 4 wire dry circuit mode

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

FLOWCHARTS Continued**Durability/Mating/Unmating/Gaps**

TEST STEP	GROUP A1 8 Position 6 Connectors	GROUP A2 2 Position 6 Connectors
01	Contact Gaps	Forces - Mating / Unmating
02	LLCR-1	25 Cycles
03	Forces - Mating / Unmating	Forces - Mating / Unmating
04	25 Cycles	25 Cycles (50 Total)
05	Forces - Mating / Unmating	Forces - Mating / Unmating
06	25 Cycles (50 Total)	25 Cycles (75 Total)
07	Forces - Mating / Unmating	Forces - Mating / Unmating
08	25 Cycles (75 Total)	25 Cycles (100 Total)
09	Forces - Mating / Unmating	Forces - Mating / Unmating
10	25 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.

LLCR = EIA-364-23, LLCR

20 mV Max, 100 mA Max

Use Keithley 580 or 3706 in 4 wire dry circuit mode

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

FLOWCHARTS Continued

Mechanical Shock / Vibration / LLCR

TEST STEP	GROUP A1 8 Boards 64 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 3 Boards (24 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

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

FLOWCHARTS Continued

Connector Pull

TEST STEP	GROUP A1 5 Pieces 0°	GROUP B1 5 Pieces 90°
01	Pull test, Mechanical Failure	Pull test, Mechanical Failure

Record forces at mechanical failure.

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

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.

THERMAL:

- 1) EIA-364-17, *Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors.*
- 2) Test Condition 4 at 105° C.
- 3) Test Time Condition B for 250 hours.
- 4) All test samples are pre-conditioned at ambient.
- 5) 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.

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 G² / 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

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

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.

INSULATION RESISTANCE (IR):

To determine the resistance of insulation materials to leakage of current through or on the surface of these materials when a DC potential is applied.

- 1) PROCEDURE:
 - a. Reference document: EIA-364-21, *Insulation Resistance Test Procedure for Electrical Connectors*.
 - b. Test Conditions:
 - i. Between Adjacent Contacts or Signal-to-Ground
 - ii. Electrification Time 2.0 minutes
 - iii. Test Voltage (500 VDC) corresponds to calibration settings for measuring resistances.
- 2) MEASUREMENTS:
- 3) When the specified test voltage is applied (VDC), the insulation resistance shall not be less than 5000 megohms.

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

To determine if the sockets can operate at its rated voltage and withstand momentary over potentials due to switching, surges, and other similar phenomenon. Separate samples are used to evaluate the effect of environmental stresses so not to influence the readings from arcing that occurs during the measurement process.

- 1) PROCEDURE:
 - a. Reference document: EIA-364-20, *Withstanding Voltage Test Procedure for Electrical Connectors*.
 - b. Test Conditions:
 - i. Between Adjacent Contacts or Signal-to-Ground
 - ii. Rate of Application 500 V/Sec
 - iii. Test Voltage (VAC) until breakdown occurs
- 2) MEASUREMENTS/CALCULATIONS
 - a. The breakdown voltage shall be measured and recorded.
 - b. The dielectric withstanding voltage shall be recorded as 75% of the minimum breakdown voltage.
 - c. The working voltage shall be recorded as one-third (1/3) of the dielectric withstanding voltage (one-fourth of the breakdown voltage)..

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

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. $\leq +5.0$ 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. $\leq +5.0$ 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° C
 - ix. The final LLCR shall be conducted within 1 hour after drying.

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

CONNECTOR PULL:

- 1) Secure cable near center and pull on connector
 - a. At 90°, right angle to cable
 - b. At 0°, in-line with cable

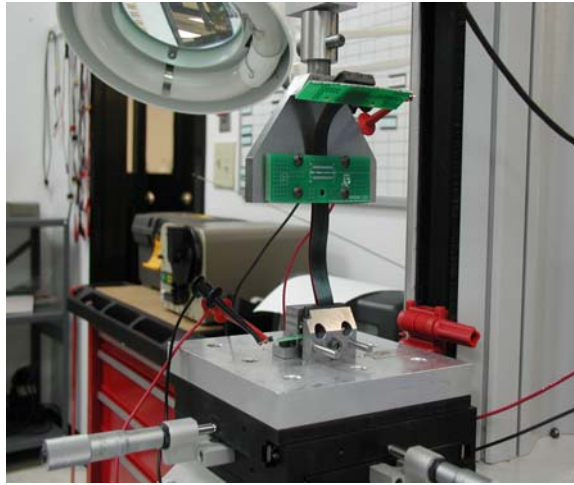


Fig. 1

(Typical set-up, actual part not depicted.)

0° Connector pull, notice the electrical continuity hook-up wires.

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

RESULTS

Contact Gaps

Test Request #111667

Thermal aging:

PESS-08-12-L-12.00-DR-NUS-R

- Initial
 - Min----- 1.9430 mm
 - Max ----- 2.0464 mm
- Thermal
 - Min----- 1.9759 mm
 - Max ----- 2.0577 mm

PET-08-01-L-VT

- Initial
 - Min----- 2.6160 mm
 - Max ----- 2.6552 mm
- Thermal
 - Min----- 2.4936 mm
 - Max ----- 2.5446 mm

Mating/Unmating durability:

PESS-08-12-L-12.00-DR-NUS-R

- Initial
 - Min----- 1.9460 mm
 - Max ----- 2.0411 mm
- After 100 Cycles
 - Min----- 1.9431 mm
 - Max ----- 2.0260 mm

PET-08-01-L-VT

- Initial
 - Min----- 2.5838 mm
 - Max ----- 2.6382 mm
- After 100 Cycles
 - Min----- 2.5732 mm
 - Max ----- 2.6341 mm

Test Request #112526

Thermal aging:

PESS-08-12-T-12.00-DR-NUS-R

- Initial
 - Min----- 2.6040 mm
 - Max ----- 2.8200 mm
- Thermal
 - Min----- 2.4609 mm
 - Max ----- 2.6530 mm

PET-08-01-T-VT

- Initial
 - Min----- 2.4679 mm
 - Max ----- 2.6530 mm

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

RESULT Continued

Mating/Unmating durability:

PESS-08-12-L-12.00-DR-NUS-R

- Initial
 - Min-----2.6240 mm
 - Max-----2.8550 mm
- After 100 Cycles
 - Min-----2.5433 mm
 - Max-----2.7970 mm

PET-08-01-L-VT

- Initial
 - Min-----2.5344 mm
 - Max-----2.7970 mm

Mating – Unmating Forces

Test Request #111667

Thermal aging:

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Initial
 - Mating
 - Min-----10.25 Lbs
 - Max-----14.92 Lbs
 - Unmating
 - Min-----7.65 Lbs
 - Max-----13.67 Lbs
- Thermal
 - Mating
 - Min-----6.58 Lbs
 - Max-----12.29 Lbs
 - Unmating
 - Min-----6.41 Lbs
 - Max-----11.37 Lbs

Mating/unmating durability:

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Initial
 - Mating
 - Min-----9.80 Lbs
 - Max-----10.76 Lbs
 - Unmating
 - Min-----12.68 Lbs
 - Max-----14.19 Lbs
- After 25 Cycles
 - Mating
 - Min-----9.78 Lbs
 - Max-----10.77 Lbs
 - Unmating
 - Min-----13.89 Lbs
 - Max-----15.66 Lbs

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

RESULT Continued

- After 50 Cycles
 - Mating
 - Min -----10.06 Lbs
 - Max -----10.89 Lbs
 - Unmating
 - Min -----13.76 Lbs
 - Max -----15.92 Lbs
- After 75 Cycles
 - Mating
 - Min -----10.25 Lbs
 - Max -----11.00 Lbs
 - Unmating
 - Min -----13.68 Lbs
 - Max -----15.43 Lbs
- After 100 Cycles
 - Mating
 - Min -----10.25 Lbs
 - Max -----11.03 Lbs
 - Unmating
 - Min -----14.11 Lbs
 - Max -----15.54 Lbs
- Humidity
 - Mating
 - Min -----6.60 Lbs
 - Max -----9.77 Lbs
 - Unmating
 - Min -----7.07 Lbs
 - Max -----9.23 Lbs

Test Request #112526

Thermal aging:

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Initial
 - Mating
 - Min -----27.19 Lbs
 - Max -----16.07 Lbs
 - Unmating
 - Min -----7.56 Lbs
 - Max -----11.60 Lbs
- Thermal
 - Mating
 - Min -----28.55 Lbs
 - Max -----20.94 Lbs
 - Unmating
 - Min -----16.52 Lbs
 - Max -----26.60 Lbs

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

RESULT Continued

Mating/unmating durability:

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- **Initial**
 - **Mating**
 - **Min** -----25.67 Lbs
 - **Max** -----16.51 Lbs
 - **Unmating**
 - **Min** -----11.36 Lbs
 - **Max** -----16.62 Lbs
- **After 25 Cycles**
 - **Mating**
 - **Min** -----25.83 Lbs
 - **Max** -----17.04 Lbs
 - **Unmating**
 - **Min** -----13.57 Lbs
 - **Max** -----26.45 Lbs
- **After 50 Cycles**
 - **Mating**
 - **Min** -----28.08 Lbs
 - **Max** -----19.27 Lbs
 - **Unmating**
 - **Min** -----19.19 Lbs
 - **Max** -----29.58 Lbs
- **After 75 Cycles**
 - **Mating**
 - **Min** -----29.08 Lbs
 - **Max** -----22.01 Lbs
 - **Unmating**
 - **Min** -----23.15 Lbs
 - **Max** -----30.69 Lbs
- **After 100 Cycles**
 - **Mating**
 - **Min** -----31.12 Lbs
 - **Max** -----24.51 Lbs
 - **Unmating**
 - **Min** -----24.82 Lbs
 - **Max** -----33.53 Lbs
- **Humidity**
 - **Mating**
 - **Min** -----29.18 Lbs
 - **Max** -----20.69 Lbs
 - **Unmating**
 - **Min** -----18.46 Lbs
 - **Max** -----26.18 Lbs

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

RESULT Continued

Test Request #115077

PESS-02-12-L-12.00-DR-NUS-R/ PET-02-01-L-VT

Mating/unmating basic:

- Initial
 - Mating
 - Min ----- 2.94 Lbs
 - Max ----- 3.30 Lbs
 - Unmating
 - Min ----- 3.67 Lbs
 - Max ----- 4.90 Lbs
- After 25 Cycles
 - Mating
 - Min ----- 2.85 Lbs
 - Max ----- 3.35 Lbs
 - Unmating
 - Min ----- 4.25 Lbs
 - Max ----- 5.47 Lbs
- After 50 Cycles
 - Mating
 - Min ----- 2.85 Lbs
 - Max ----- 3.53 Lbs
 - Unmating
 - Min ----- 4.50 Lbs
 - Max ----- 5.87 Lbs
- After 75 Cycles
 - Mating
 - Min ----- 2.83 Lbs
 - Max ----- 3.59 Lbs
 - Unmating
 - Min ----- 4.38 Lbs
 - Max ----- 6.17 Lbs
- After 100 Cycles
 - Mating
 - Min ----- 2.90 Lbs
 - Max ----- 3.94 Lbs
 - Unmating
 - Min ----- 4.44 Lbs
 - Max ----- 6.27 Lbs

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

RESULT Continued

Test Request #118824

PESS-02-12-T-12.00-DR-NUS-R/ PET-02-01-T-VT

Mating/unmating basic:

- **Initial**
 - **Mating**
 - **Min** ----- 5.52 Lbs
 - **Max** ----- 4.93 Lbs
 - **Unmating**
 - **Min** ----- 2.79 Lbs
 - **Max** ----- 7.02 Lbs
- **After 25 Cycles**
 - **Mating**
 - **Min** ----- 6.03 Lbs
 - **Max** ----- 4.76 Lbs
 - **Unmating**
 - **Min** ----- 4.29 Lbs
 - **Max** ----- 6.88 Lbs
- **After 50 Cycles**
 - **Mating**
 - **Min** ----- 6.80 Lbs
 - **Max** ----- 5.22 Lbs
 - **Unmating**
 - **Min** ----- 5.60 Lbs
 - **Max** ----- 8.41 Lbs
- **After 75 Cycles**
 - **Mating**
 - **Min** ----- 7.39 Lbs
 - **Max** ----- 6.03 Lbs
 - **Unmating**
 - **Min** ----- 5.83 Lbs
 - **Max** ----- 8.16 Lbs
- **After 100 Cycles**
 - **Mating**
 - **Min** ----- 7.61 Lbs
 - **Max** ----- 5.94 Lbs
 - **Unmating**
 - **Min** ----- 6.28 Lbs
 - **Max** ----- 8.89 Lbs

Pull force

Test Request #111667

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

0° Pull force

- **Min** ----- 69.50 Lbs
- **Max** ----- 81.50 Lbs

90° Pull force

- **Min** ----- 54.50 Lbs
- **Max** ----- 65.50 Lbs

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

RESULT Continued

Test Request #111667

Insulation Resistance minimums, IR

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Initial
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Thermal
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Humidity
 - Mated----- 25000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass

Dielectric Withstanding Voltage minimums, DWV

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Minimums
 - Breakdown Voltage----- 2500VAC
 - Test Voltage ----- 1875VAC
 - Working Voltage ----- 625VAC
- Initial DWV -----Passed
- Thermal DWV -----Passed
- Humidity DWV-----Passed

Test Request #112526

Insulation Resistance minimums, IR

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Initial
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Thermal
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Humidity
 - Mated----- 10000Meg Ω ----- Pass
 - Unmated ----- 10000Meg Ω ----- Pass

Dielectric Withstanding Voltage minimums, DWV

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Minimums
 - Breakdown Voltage----- 2600VAC
 - Test Voltage ----- 1950VAC
 - Working Voltage ----- 650VAC
- Initial DWV -----Passed
- Thermal DWV -----Passed
- Humidity DWV-----Passed

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

RESULT Continued

Test Request #112528

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Initial
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Thermal
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Humidity
 - Mated-----25000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass

Dielectric Withstanding Voltage minimums, DWV

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT

- Minimums
 - Breakdown Voltage----- 3100VAC
 - Test Voltage ----- 2325VAC
 - Working Voltage -----775VAC
- Initial DWV -----Passed
- Thermal DWV -----Passed
- Humidity DWV -----Passed

Test Request #112529

PESS-08-10-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Initial
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Thermal
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass
- Humidity
 - Mated----- 100000Meg Ω ----- Pass
 - Unmated ----- 100000Meg Ω ----- Pass

Dielectric Withstanding Voltage minimums, DWV

PESS-08-10-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Minimums
 - Breakdown Voltage----- 2800VAC
 - Test Voltage ----- 2100VAC
 - Working Voltage -----700VAC
- Initial DWV -----Passed
- Thermal DWV -----Passed
- Humidity DWV -----Passed

RESULT Continued**Test Request #111667****LLCR thermal aging (84 LLCR test points)****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

- **Initial** -----2.1mOhms Max
- **thermal**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

LLCR Durability (84 LLCR test points)**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

- **Initial** -----2.0mOhms Max
- **Durability, 100 Cycles**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure
- **Thermal**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure
- **Humidity**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

LLCR Gas Tight (84 LLCR test points)

- **Initial** -----2.1mOhms Max
- **Gas-Tight**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

RESULT Continued**LLCR shock vib (64 LLCR test points)****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

- **Initial** -----2.2mOhms Max
- **Gas-Tight**
 - o <= +5.0 mOhms ----- 64 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

Mechanical Shock & Random Vibration:**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

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

Test Request #112526**LLCR thermal aging (84 LLCR test points)****PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

- **Initial** -----2.0mOhms Max
- **thermal**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

LLCR Durability (84 LLCR test points)**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

- **Initial** -----2.1mOhms Max
- **Durability, 100 Cycles**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure
- **Thermal**
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms -----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

RESULT Continued

- Humidity
 - o <= +5.0 mOhms ----- 84 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms-----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

LLCR shock vib (64 LLCR test points)
PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

- Initial -----2.3mOhms Max
- Gas-Tight
 - o <= +5.0 mOhms ----- 64 Points ----- Stable
 - o +5.1 to +10.0 mOhms -----0 Points ----- Minor
 - o +10.1 to +15.0 mOhms -----0 Points ----- Acceptable
 - o +15.1 to +50.0 mOhms -----0 Points ----- Marginal
 - o +50.1 to +2000 mOhms-----0 Points ----- Unstable
 - o >+2000 mOhms -----0 Points ----- Open Failure

Mechanical Shock & Random Vibration:
PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

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

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES**CONTACT GAPS**

Test Request #111667

Thermal aging:

PESS-08-12-L-12.00-DR-NUS-R

Initial		After Thermal	
Units: mm		Units: mm	
<i>Minimum</i>	1.9430	<i>Minimum</i>	1.9759
<i>Maximum</i>	2.0464	<i>Maximum</i>	2.0577
<i>Average</i>	1.9869	<i>Average</i>	2.0218
<i>St. Dev.</i>	0.0299	<i>St. Dev.</i>	0.0263
<i>Count</i>	16	<i>Count</i>	16

PET-08-01-L-VT

Initial		After Thermal	
Units: mm		Units: mm	
<i>Minimum</i>	2.6160	<i>Minimum</i>	2.4936
<i>Maximum</i>	2.6552	<i>Maximum</i>	2.5446
<i>Average</i>	2.6322	<i>Average</i>	2.5183
<i>St. Dev.</i>	0.0118	<i>St. Dev.</i>	0.0141
<i>Count</i>	16	<i>Count</i>	16

Mating/Unmating durability:

PESS-08-12-L-12.00-DR-NUS-R

Initial		After 100 Cycles	
Units: mm		Units: mm	
<i>Minimum</i>	1.9460	<i>Minimum</i>	1.9431
<i>Maximum</i>	2.0411	<i>Maximum</i>	2.0260
<i>Average</i>	1.9859	<i>Average</i>	1.9821
<i>St. Dev.</i>	0.0294	<i>St. Dev.</i>	0.0258
<i>Count</i>	16	<i>Count</i>	16

PET-08-01-L-VT

Initial		After 100 Cycles	
Units: mm		Units: mm	
<i>Minimum</i>	2.5838	<i>Minimum</i>	2.5732
<i>Maximum</i>	2.6382	<i>Maximum</i>	2.6341
<i>Average</i>	2.6225	<i>Average</i>	2.6045
<i>St. Dev.</i>	0.0142	<i>St. Dev.</i>	0.0175
<i>Count</i>	16	<i>Count</i>	16

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #112526****Thermal aging:****PESS-08-12-T-12.00-DR-NUS-R**

Initial		After Thermal	
Units: mm		Units: mm	
<i>Minimum</i>	2.6040	<i>Minimum</i>	2.4609
<i>Maximum</i>	2.8200	<i>Maximum</i>	2.6530
<i>Average</i>	2.6609	<i>Average</i>	2.5116
<i>St. Dev.</i>	0.0430	<i>St. Dev.</i>	0.0407
<i>Count</i>	96	<i>Count</i>	96

PET-08-01-T-VT

Initial	
Units: mm	
<i>Minimum</i>	2.4609
<i>Maximum</i>	2.6530
<i>Average</i>	2.5116
<i>St. Dev.</i>	0.0407
<i>Count</i>	96

Mating/Unmating durability:**PESS-08-12-T-12.00-DR-NUS-R**

Initial		After 100 Cycles	
Units: mm		Units: mm	
<i>Minimum</i>	2.6240	<i>Minimum</i>	2.5433
<i>Maximum</i>	2.8550	<i>Maximum</i>	2.7970
<i>Average</i>	2.6961	<i>Average</i>	2.6524
<i>St. Dev.</i>	0.0702	<i>St. Dev.</i>	0.0599
<i>Count</i>	96	<i>Count</i>	96

PET-08-01-T-VT

Initial	
Units: mm	
<i>Minimum</i>	2.5433
<i>Maximum</i>	2.7970
<i>Average</i>	2.6524
<i>St. Dev.</i>	0.0599
<i>Count</i>	96

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #111667****THERMAL AGING****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

	Initial				After Thermals			
	Mating		Unmating		Mating		Unmating	
	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)
Minimum	45.59	10.25	34.01	7.65	29.28	6.58	28.52	6.41
Maximum	66.36	14.92	60.82	13.67	54.65	12.29	50.56	11.37
Average	50.26	11.30	43.20	9.71	37.41	8.41	32.96	7.41
St Dev	8.05	1.81	9.27	2.08	9.20	2.07	8.70	1.95
Count	6	6	6	6	6	6	6	6

MATING/UNMATING Durability:**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

	Initial				25 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)
Minimum	43.58	9.80	56.41	12.68	43.48	9.78	61.80	13.89
Maximum	47.87	10.76	63.10	14.19	47.89	10.77	69.64	15.66
Average	45.51	10.23	60.37	13.57	45.34	10.19	66.97	15.06
St Dev	1.53	0.34	2.39	0.54	1.58	0.36	2.68	0.60
Count	6	6	6	6	6	6	6	6

	50 Cycles				75 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)
Minimum	44.73	10.06	61.22	13.76	45.61	10.25	60.86	13.68
Maximum	48.44	10.89	70.79	15.92	48.93	11.00	68.61	15.43
Average	46.27	10.40	66.60	14.97	46.63	10.48	66.43	14.93
St Dev	1.36	0.31	3.61	0.81	1.19	0.27	2.94	0.66
Count	6	6	6	6	6	6	6	6

	100 Cycles				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)	Newton	Force (Lbs)
Minimum	45.58	10.25	62.77	14.11	29.37	6.60	31.45	7.07
Maximum	49.06	11.03	69.12	15.54	43.46	9.77	41.06	9.23
Average	46.46	10.44	66.11	14.86	34.71	7.80	35.87	8.07
St Dev	1.33	0.30	2.63	0.59	5.09	1.14	3.66	0.82
Count	6	6	6	6	6	6	6	6

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #112526****MATING/UNMATING Durability:****PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

	Initial				After Thermals			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	120.95	27.19	33.61	7.56	126.99	28.55	73.48	16.52
Maximum	71.50	16.07	51.58	11.60	93.16	20.94	118.45	26.63
Average	94.04	21.14	43.87	9.86	101.14	22.74	91.87	20.65
St Dev	15.77	3.54	7.55	1.70	12.83	2.88	16.17	3.64
Count	6	6	6	6	6	6	6	6

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

	Initial				After 25 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	114.17	25.67	50.55	11.36	114.89	25.83	60.35	13.57
Maximum	73.45	16.51	73.95	16.62	75.81	17.04	117.65	26.45
Average	88.14	19.82	59.54	13.39	87.54	19.68	78.98	17.76
St Dev	13.78	3.10	10.42	2.34	13.85	3.11	21.20	4.77
Count	6	6	6	6	6	6	6	6

	After 50 Cycles				After 75 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	124.90	28.08	85.35	19.19	129.34	29.08	102.95	23.15
Maximum	85.70	19.27	131.56	29.58	97.91	22.01	136.49	30.69
Average	95.78	21.53	100.53	22.60	110.35	24.81	117.40	26.39
St Dev	14.68	3.30	18.75	4.21	12.51	2.81	14.96	3.36
Count	6	6	6	6	6	6	6	6

	After 100 Cycles				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	138.44	31.12	110.41	24.82	129.78	29.18	82.12	18.46
Maximum	109.01	24.51	149.13	33.53	92.03	20.69	116.45	26.18
Average	120.17	27.02	123.28	27.72	108.66	24.43	97.14	21.84
St Dev	11.84	2.66	16.84	3.79	12.75	2.87	11.06	2.49
Count	6	6	6	6	6	6	6	6

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #115077****MATING/UNMATING BASIC:****PESS-02-12-L-12.00-DR-NUS/ PET-02-01-L-VT**

	Initial				25 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	13.06	2.94	16.32	3.67	12.67	2.85	18.89	4.25
Maximum	14.68	3.30	21.78	4.90	14.90	3.35	24.33	5.47
Average	14.11	3.17	19.00	4.27	13.84	3.11	21.53	4.84
St Dev	0.60	0.13	2.04	0.46	0.85	0.19	1.89	0.43
Count	6	6	6	6	6	6	6	6
	50 Cycles				75 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	12.69	2.85	20.00	4.50	12.57	2.83	19.47	4.38
Maximum	15.69	3.53	26.10	5.87	15.99	3.59	27.44	6.17
Average	13.93	3.13	23.00	5.17	14.26	3.21	23.17	5.21
St Dev	1.20	0.27	2.54	0.57	1.60	0.36	3.41	0.77
Count	6	6	6	6	6	6	6	6
	100 Cycles							
	Mating		Unmating					
	Newtons	Force (Lbs)	Newtons	Force (Lbs)				
Minimum	12.88	2.90	19.73	4.44				
Maximum	17.50	3.94	27.88	6.27				
Average	15.21	3.42	24.15	5.43				
St Dev	2.22	0.50	3.80	0.85				
Count	6	6	6	6				

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #118824****MATING/UNMATING BASIC:****PESS-02-12-L-12.00-DR-NUS-R/ PET-02-01-T-VT**

	Initial				After 25 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	21.95	4.93	12.42	2.79	21.16	4.76	19.10	4.29
Maximum	24.56	5.52	31.21	7.02	26.84	6.03	30.59	6.88
Average	23.09	5.19	17.33	3.90	24.54	5.52	22.29	5.01
St Dev	0.88	0.20	6.93	1.56	2.32	0.52	4.43	1.00
Count	6	6	6	6	6	6	6	6
	After 50 Cycles				After 75 Cycles			
	Mating		Unmating		Mating		Unmating	
	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)	Newtons	Force (Lbs)
Minimum	23.23	5.22	24.93	5.60	26.84	6.03	25.91	5.83
Maximum	30.26	6.80	37.43	8.41	32.88	7.39	36.28	8.16
Average	26.94	6.06	28.80	6.48	29.57	6.65	30.07	6.76
St Dev	3.02	0.68	4.66	1.05	2.37	0.53	4.66	1.05
Count	6	6	6	6	6	6	6	6
	After 100 Cycles							
	Mating		Unmating					
	Newtons	Force (Lbs)	Newtons	Force (Lbs)				
Minimum	26.42	5.94	27.91	6.28				
Maximum	33.86	7.61	39.56	8.89				
Average	30.61	6.88	32.15	7.23				
St Dev	2.75	0.62	4.21	0.95				
Count	6	6	6	6				

Test Request #111667**PULL FORCE****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT****0° Pull force**

	Force (lbs)
Minimum	69.50
Maximum	81.50
Average	76.30

90° Pull force

	Force (lbs)
Minimum	54.50
Maximum	65.50
Average	60.10

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #111667****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT****INSULATION RESISTANCE (IR):**

	Pin to Pin		
	Mated	Unmated	Unmated
Minimum	PESS/PET	PESS	PET
Initial	100000	100000	100000
Thermal	100000	100000	100000
Humidity	25000	100000	100000

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

Voltage Rating Summary	
Minimum	PESS/PET
Break Down Voltage	2500
Test Voltage	1875
Working Voltage	625

Pin to Pin	
Initial Test Voltage	Passed
After Thermal Test Voltage	Passed
After Humidity Test Voltage	Passed

Test Request #112526**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT****INSULATION RESISTANCE (IR):**

	Pin to Pin		
	Mated	Unmated	Unmated
Minimum	PESS/PET	PESS	PET
Initial	100000	100000	100000
Thermal	100000	100000	100000
Humidity	100000	100000	100000

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**DIELECTRIC WITHSTANDING VOLTAGE (DWV):**

Voltage Rating Summary	
Minimum	PESS/PET
Break Down Voltage	2600
Test Voltage	1950
Working Voltage	650

Pin to Pin	
Initial Test Voltage	Passed
After Thermal Test Voltage	Passed
After Humidity Test Voltage	Passed

Test Request #112528

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT

INSULATION RESISTANCE (IR):

	Pin to Pin		
	Mated	Unmated	Unmated
Minimum	PESS/PET	PESS	PET
Initial	100000	100000	100000
Thermal	100000	100000	100000
Humidity	25000	100000	100000

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT

Voltage Rating Summary	
Minimum	PESS/PET
Break Down Voltage	3100
Test Voltage	2325
Working Voltage	775

Pin to Pin	
Initial Test Voltage	Passed
After Thermal Test Voltage	Passed
After Humidity Test Voltage	Passed

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA SUMMARIES Continued**Test Request #112529****PESS-08-10-T-12.00-DR-NUS-R/ PET-08-01-T-VT****INSULATION RESISTANCE (IR):**

	Pin to Pin		
	Mated	Unmated	Unmated
Minimum	PESS/PET	PESS	PET
Initial	100000	100000	100000
Thermal	100000	100000	100000
Humidity	100000	100000	100000

DIELECTRIC WITHSTANDING VOLTAGE (DWV):**PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

Voltage Rating Summary	
Minimum	PESS/PET
Break Down Voltage	2800
Test Voltage	2100
Working Voltage	700

Pin to Pin	
Initial Test Voltage	Passed
After Thermal Test Voltage	Passed
After Humidity Test Voltage	Passed

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

Test Request #111667

LLCR Thermal aging:

PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT

- 1) A total of 84 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. $\leq +5.0$ 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	12/9/2010	12/20/2010
Room Temp C	23	23
RH	27%	27%
Name	Aaron McKim	Aaron McKim
mOhm values	Actual Initial	Delta Thermal Age
Average	2.0	0.1
St. Dev.	0.0	0.1
Min	1.9	-0.1
Max	2.1	0.2
Count	84	84

How many samples are being tested?	<u>6</u>
How many contacts are on each board?	<u>14</u>

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Thermal Age	84	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

LLCR Durabiltiy:

PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT

- 5) A total of 84 points were measured.
- 6) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
- 7) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
- 8) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
 - a. $\leq +5.0$ 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	12/2/2010	12/13/2010	12/20/2010	1/4/2011
Room Temp C	23	23	23	22
RH	28%	26%	27%	27%
Name	Aaron McKim	Aaron McKim	Aaron McKim	Aaron McKim
mOhm values	Actual Initial	Delta 100 Cycles	Delta Thermal	Delta Humidity
Average	2.0	0.0	0.0	0.1
St. Dev.	0.0	0.0	0.0	0.1
Min	1.9	-0.1	0.0	0.0
Max	2.0	0.2	0.2	0.3
Count	84	84	84	84

How many samples are being tested?	<u>6</u>
How many contacts are on each board?	<u>14</u>

	Stable	Minor	Acceptable	Marginal	Unstable	Open
100 Cycles	84	0	0	0	0	0
Thermal	84	0	0	0	0	0
Humidity	84	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

GAS TIGHT:

PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT

- 1) A total of 84 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. $\leq +5.0$ 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	12/2/2010	12/3/2010
Room Temp C	23	23
RH	27%	27%
Name	Aaron McKim	Aaron McKim
mOhm values	Actual Initial	Delta Gas Tight
Average	2.0	0.1
St. Dev.	0.0	0.0
Min	1.9	-0.1
Max	2.1	0.1
Count	84	84

How many samples are being tested?	<u>6</u>
How many contacts are on each board?	<u>14</u>

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Gas Tight	84	0	0	0	0	0

DATA SUMMARIES Continued

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

LLCR Shock Vib:

PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT

- 9) A total of 64 points were measured.
- 10) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
- 11) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
- 12) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
 - a. $\leq +5.0$ 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	12/6/2010	12/9/2010
Room Temp C	23	23
RH	28%	28%
Name	Aaron McKim	Aaron McKim
mOhm values	Actual Initial	Delta Sh/Vib
Average	2.1	0.0
St. Dev.	0.0	0.1
Min	2.1	0.0
Max	2.2	0.3
Count	64	64

How many samples are being tested?	<u>8</u>
How many contacts are on each board?	<u>8</u>

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Shock & Vibe	64	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

Test Request #112526

LLCR Thermal aging:

PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT

- 13) A total of 84 points were measured.
- 14) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
- 15) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
- 16) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
 - a. $\leq +5.0$ 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

1/7/2011	1/27/2011	1/7/2011
23	23	23
30%	28%	30%
Troy Cook	Troy Cook	Troy Cook
Actual Initial	Delta Thermal Age	Actual Initial
1.9	0.0	1.9
0.0	0.0	0.0
1.8	0.0	1.8
2.0	0.1	2.0
84	84	84

How many samples are being tested?

6

How many contacts are on each board?

14

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Thermal Age	84	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

LLCR Durability:

PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT

- 17) A total of 84 points were measured.
- 18) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
- 19) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
- 20) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
 - a. $\leq +5.0$ 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

1/3/2011	1/7/2011	1/17/2011	1/31/2011	1/3/2011
23	23	23	23	23
31%	31%	28%	27%	31%
Troy Cook	Troy Cook	Troy Cook	Troy Cook	Troy Cook
Actual Initial	Delta 100 Cycles	Delta Thermal Shock	Delta Humidity	Actual Initial
1.9	0.0	0.1	0.2	1.9
0.0	0.1	0.1	0.1	0.0
1.8	-0.2	-0.2	-0.1	1.8
2.1	0.2	0.4	0.5	2.1
84	84	84	84	84

How many samples are being tested? 6

How many contacts are on each board? 14

	Stable	Minor	Acceptable	Marginal	Unstable	Open
100 Cycles	84	0	0	0	0	0
Thermal Shock	84	0	0	0	0	0
Humidity	84	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

DATA SUMMARIES Continued

LLCR Shock Vib:

PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT

- 21) A total of 64 points were measured.
- 22) EIA-364-23, *Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets*.
- 23) A computer program, *LLCR 221.exe*, ensures repeatability for data acquisition.
- 24) The following guidelines are used to categorize the changes in LLCR as a result from stressing.
 - a. $\leq +5.0$ 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	1/20/2011	1/24/2011
Room Temp C	23	23
RH	26%	24%
Name	Aaron Mckim	Aaron Mckim
mOhm values	Actual Initial	Delta Shock / Vibe
Average	2.1	0.0
St. Dev.	0.1	0.0
Min	2.0	0.0
Max	2.3	0.2
Count	64	64

How many samples are being tested?	<u>8</u>
How many contacts are on each board?	<u>8</u>

	Stable	Minor	Acceptable	Marginal	Unstable	Open
Shock & Vibe	64	0	0	0	0	0

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA**Test Request #111667****CONTACT GAPS****Thermal aging:****PESS-08-12-L-12.00-DR-NUS-R**

Initial		
Units: mm		
Pos.#	B1	B2
1	1.9490	1.9430
2	1.9778	2.0009
3	2.0187	1.9828
4	1.9916	1.9967
5	2.0155	1.9636
6	1.9725	1.9635
7	2.0174	1.9455
8	1.9490	1.9430
After Thermal		
Units: mm		
Pos.#	B1	B2
1	2.0169	2.0133
2	2.0258	2.0042
3	2.0577	2.0041
4	2.0346	1.9970
5	2.0515	1.9759
6	2.0494	1.9768
7	2.0463	2.0217
8	2.0172	2.0565

PET-08-01-L-VT

Initial		
Units: mm		
Pos.#	B1	B2
1	2.6273	2.6239
2	2.6552	2.6287
3	2.6491	2.6225
4	2.6221	2.6263
5	2.6340	2.6531
6	2.6420	2.6240
7	2.6360	2.6288
8	2.6160	2.6267
After Thermal		
Units: mm		
Pos.#	B1	B2
1	2.4936	2.4970
2	2.5168	2.5379
3	2.5109	2.5369
4	2.5201	2.5219

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

5	2.5142	2.5279
6	2.5033	2.5140
7	2.5245	2.5150
8	2.5446	2.5141

Mating/Unmating durability
PESS-08-12-L-12.00-DR-NUS-R

Initial		
Units: mm		
Pos.#	B1	B2
1	1.9536	1.9687
2	1.9597	1.9605
3	1.9995	1.9873
4	2.0273	1.9792
5	2.0411	1.9460
6	2.0000	1.9599
7	2.0078	1.9607
8	1.9957	2.0266
After 100 cycles		
Units: mm		
Pos.#	B1	B2
1	1.9720	1.9840
2	1.9820	1.9900
3	2.0260	2.0200
4	2.0200	2.0070
5	1.9820	1.9590
6	1.9441	1.9720
7	1.9771	1.9811
8	1.9541	1.9431

PET-08-01-L-VT

Initial		
Units: mm		
Pos.#	B1	B2
1	2.6382	2.5838
2	2.6332	2.6216
3	2.6311	2.6344
4	2.6210	2.6232
5	2.6220	2.6361
6	2.6300	2.6139
7	2.6100	2.6378
8	2.6150	2.6086
After 100 cycles		
Units: mm		
Pos.#	B1	B2
1	2.5800	2.5732
2	2.5890	2.5972

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

3	2.6240	2.5952
4	2.6249	2.6102
5	2.6139	2.6341
6	2.6089	2.6181
7	2.5929	2.6221
8	2.5928	2.5961

Test Request #112526**CONTACT GAPS**

Thermal aging:

PESS-08-12-T-12.00-DR-NUS-R

Initial						
Units: mm						
Pos.#	B1	B2	B3	B4	B5	B6
1	2.6480	2.6480	2.6520	2.6470	2.8090	2.6170
2	2.6690	2.6550	2.6590	2.6510	2.7840	2.6480
3	2.6620	2.6610	2.6570	2.6280	2.7710	2.6360
4	2.6640	2.6040	2.6220	2.6310	2.7400	2.6310
5	2.6850	2.6800	2.6700	2.6450	2.7840	2.6420
6	2.6750	2.6470	2.6500	2.6390	2.8140	2.6300
7	2.6680	2.6650	2.6530	2.6490	2.8200	2.6390
8	2.6690	2.6540	2.6350	2.6470	2.8010	2.6310
9	2.6620	2.6480	2.6440	2.6470	2.6560	2.6250
10	2.6720	2.6460	2.6600	2.6590	2.6570	2.6390
11	2.6630	2.6360	2.6300	2.6390	2.6490	2.6430
12	2.6890	2.6590	2.6390	2.6280	2.6450	2.6300
13	2.6840	2.6420	2.6410	2.6530	2.6340	2.6510
14	2.6800	2.6290	2.6450	2.6290	2.6410	2.6350
15	2.6750	2.6670	2.6380	2.6320	2.6450	2.6800
16	2.6840	2.6400	2.6370	2.6470	2.6380	2.6470
After Thermal						
Units: mm						
Pos.#	B1	B2	B3	B4	B5	B6
1	2.4710	2.4700	2.6421	2.4830	2.6000	2.5101
2	2.5041	2.4791	2.4901	2.4890	2.6530	2.5031
3	2.5131	2.4981	2.5091	2.5041	2.6271	2.5231
4	2.5201	2.4811	2.5021	2.4981	2.6041	2.5121
5	2.5231	2.4981	2.4751	2.5241	2.6421	2.5131
6	2.5181	2.4841	2.5342	2.4731	2.6231	2.5112
7	2.4962	2.4872	2.4802	2.4891	2.6051	2.5242
8	2.5172	2.4732	2.4992	2.4742	2.6112	2.5082
9	2.5098	2.4988	2.4768	2.4898	2.5208	2.4848
10	2.5248	2.4918	2.4919	2.5178	2.4958	2.5148
11	2.5358	2.5038	2.4919	2.5038	2.4778	2.4909
12	2.5239	2.4849	2.5019	2.4809	2.4908	2.4989
13	2.5399	2.5079	2.4679	2.5019	2.5289	2.4969

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

14	2.5259	2.4939	2.4879	2.4929	2.5699	2.4889
15	2.5149	2.4989	2.4860	2.4819	2.5109	2.4999
16	2.5029	2.5090	2.5080	2.4909	2.4609	2.4750

PET-08-01-T-VT

Initial								
Units: mm								
Pos.#	B1	B2	B3	B4	B5	B6	B7	B8
1	2.4710	2.5041	2.5131	2.5201	2.5231	2.5181	2.4962	2.5172
2	2.5098	2.5248	2.5358	2.5239	2.5399	2.5259	2.5149	2.5029
3	2.4700	2.4791	2.4981	2.4811	2.4981	2.4841	2.4872	2.4732
4	2.4988	2.4918	2.5038	2.4849	2.5079	2.4939	2.4989	2.5090
5	2.6421	2.4901	2.5091	2.5021	2.4751	2.5342	2.4802	2.4992
6	2.4768	2.4919	2.4919	2.5019	2.4679	2.4879	2.4860	2.5080
7	2.4830	2.4890	2.5041	2.4981	2.5241	2.4731	2.4891	2.4742
8	2.4898	2.5178	2.5038	2.4809	2.5019	2.4929	2.4819	2.4909
9	2.6000	2.6530	2.6271	2.6041	2.6421	2.6231	2.6051	2.6112
10	2.5208	2.4958	2.4778	2.4908	2.5289	2.5699	2.5109	2.4609
11	2.5101	2.5031	2.5231	2.5121	2.5131	2.5112	2.5242	2.5082
12	2.4848	2.5148	2.4909	2.4989	2.4969	2.4889	2.4999	2.4750

Mating/Unmating durability:**PESS-08-12-T-12.00-DR-NUS-R**

Initial						
Units: mm						
Pos.#	B1	B2	B3	B4	B5	B6
1	2.6340	2.6660	2.6440	2.6670	2.6380	2.8240
2	2.6290	2.6640	2.6400	2.6670	2.6550	2.8390
3	2.6470	2.6280	2.6580	2.6650	2.6640	2.8190
4	2.6470	2.6520	2.6540	2.6790	2.6580	2.8550
5	2.6520	2.6710	2.6400	2.6830	2.6460	2.8020
6	2.6260	2.6570	2.6330	2.6560	2.6240	2.8100
7	2.6600	2.6720	2.6250	2.6760	2.6600	2.8420
8	2.6320	2.6660	2.6520	2.6650	2.6560	2.8320
9	2.6790	2.6580	2.8120	2.6710	2.6600	2.7890
10	2.6610	2.6610	2.8140	2.6890	2.6470	2.7930
11	2.6700	2.6390	2.8170	2.6850	2.6500	2.7990
12	2.6650	2.6490	2.8240	2.6830	2.6430	2.7910
13	2.6600	2.6540	2.8170	2.6600	2.6420	2.7770
14	2.6500	2.6540	2.8170	2.6730	2.6540	2.8060
15	2.6650	2.6670	2.7980	2.6870	2.6550	2.8490
16	2.6760	2.6560	2.7860	2.7030	2.6320	2.8060
After 100 Cycles						
Units: mm						
Pos.#	B1	B2	B3	B4	B5	B6

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

1	2.6401	2.6139	2.5451	2.5611	2.5441	2.7280
2	2.6299	2.6629	2.6579	2.5959	2.6109	2.7681
3	2.6149	2.6340	2.6480	2.6319	2.6231	2.7000
4	2.5839	2.6210	2.6388	2.6309	2.6241	2.7280
5	2.6459	2.6350	2.6449	2.6360	2.6340	2.7399
6	2.6040	2.6238	2.6510	2.6058	2.6289	2.7338
7	2.6528	2.6629	2.6469	2.6469	2.6020	2.7419
8	2.5768	2.6269	2.6518	2.6078	2.6119	2.7338
9	2.5433	2.6833	2.7092	2.5903	2.5903	2.7132
10	2.5982	2.6452	2.7333	2.6353	2.5941	2.7221
11	2.5601	2.6543	2.7432	2.6502	2.5852	2.7462
12	2.6071	2.6373	2.7541	2.6721	2.6132	2.7282
13	2.6462	2.6622	2.7970	2.6812	2.6002	2.7562
14	2.6121	2.6322	2.7932	2.5720	2.6012	2.7452
15	2.6370	2.6520	2.7031	2.6162	2.6292	2.7661
16	2.5710	2.6551	2.7381	2.6680	2.6322	2.7691

PET-08-01-T-VT

Initial						
Units: mm						
Pos.#	B1	B2	B3	B4	B5	B6
1	2.6401	2.6139	2.5451	2.5611	2.5441	2.7280
2	2.6299	2.6629	2.6579	2.5959	2.6109	2.7681
3	2.6149	2.6340	2.6480	2.6319	2.6231	2.7000
4	2.5839	2.6210	2.6388	2.6309	2.6241	2.7280
5	2.6459	2.6350	2.6449	2.6360	2.6340	2.7399
6	2.6040	2.6238	2.6510	2.6058	2.6289	2.7338
7	2.6528	2.6629	2.6469	2.6469	2.6020	2.7419
8	2.5768	2.6269	2.6518	2.6078	2.6119	2.7338
9	2.5433	2.6833	2.7092	2.5903	2.5903	2.7132
10	2.5982	2.6452	2.7333	2.6353	2.5941	2.7221
11	2.5601	2.6543	2.7432	2.6502	2.5852	2.7462
12	2.6071	2.6373	2.7541	2.6721	2.6132	2.7282
13	2.6462	2.6622	2.7970	2.6812	2.6002	2.7562
14	2.6121	2.6322	2.7932	2.5720	2.6012	2.7452
15	2.6370	2.6520	2.7031	2.6162	2.6292	2.7661
16	2.5710	2.6551	2.7381	2.6680	2.6322	2.7691

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DATA Continued**Test Request #111667****THERMAL AGING:****PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

<u>Sample#</u>	Initial		After Thermals	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	10.32	9.08	8.55	7.09
2	14.92	13.67	12.29	11.37
3	10.70	8.62	8.30	6.41
4	11.24	9.34	6.73	6.48
5	10.25	7.65	6.58	6.46
6	10.37	9.92	8.01	6.65

MATING/UNMATING Durability:**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

<u>Sample#</u>	Initial		After 25 Cycles		After 50 Cycles		After 75 Cycles	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	9.80	12.68	9.78	15.15	10.06	15.92	10.25	15.38
2	10.01	14.04	9.99	15.13	10.12	14.69	10.32	14.82
3	10.08	13.68	9.98	13.89	10.32	13.76	10.41	13.68
4	10.76	14.19	10.77	15.66	10.89	15.47	11.00	15.43
5	10.45	13.40	10.36	15.34	10.46	15.55	10.41	15.34
6	10.30	13.45	10.30	15.17	10.56	14.44	10.51	14.96
<u>Sample#</u>	After 100 Cycles		After Humidity					
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>				
1	10.26	15.19	8.15	7.24				
2	10.25	14.93	8.12	7.07				
3	10.35	14.17	9.77	9.23				
4	11.03	15.54	7.03	8.65				
5	10.30	15.24	6.60	7.99				
6	10.48	14.11	7.16	8.21				

DATA Continued

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

Test Request #111667**THERMAL AGING:****PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

<u>Sample#</u>	Initial		After Thermals	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	20.51	9.28	22.31	18.70
2	16.07	11.56	21.40	20.37
3	21.10	7.56	21.39	16.52
4	20.78	11.60	20.94	18.69
5	27.19	10.76	28.55	26.63
6	21.20	8.43	21.83	23.01

MATING/UNMATING Durability:**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

<u>Sample#</u>	Initial		After 25 Cycles		After 50 Cycles		After 75 Cycles	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	19.47	11.82	19.16	14.73	20.08	20.96	23.53	26.01
2	19.52	11.69	17.04	13.57	19.27	19.19	23.43	24.11
3	16.51	12.76	18.43	17.93	19.61	20.41	23.26	23.15
4	18.24	11.36	19.21	14.70	20.73	19.50	22.01	23.97
5	19.48	16.06	18.41	19.15	21.43	25.97	27.55	30.44
6	25.67	16.62	25.83	26.45	28.08	29.58	29.08	30.69
<u>Sample#</u>	After 100 Cycles		After Humidity					
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>				
1	26.93	26.55	24.69	21.48				
2	25.26	24.85	24.28	22.07				
3	24.51	25.17	22.48	21.17				
4	25.01	24.82	20.69	18.46				
5	31.12	33.53	25.26	21.67				
6	29.28	31.38	29.18	26.18				

DATA Continued**Test Request #115077**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

MATING/UNMATING Basic:**PESS-02-12-L-12.00-DR-NUS/ PET-02-01-L-VT**

<u>Sample#</u>	Initial		After 25 Cycles		After 50 Cycles		After 75 Cycles	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	3.24	4.90	3.09	4.90	3.16	5.72	3.52	5.84
2	3.28	4.67	3.35	5.47	3.53	5.87	3.59	6.17
3	3.30	4.36	3.30	5.09	3.35	5.36	3.47	5.65
4	3.16	3.67	3.13	4.25	3.04	4.50	2.97	4.38
5	3.12	4.08	2.95	4.54	2.87	4.61	2.85	4.53
6	2.94	3.96	2.85	4.80	2.85	4.97	2.83	4.69
After 100 Cycles								
<u>Sample#</u>	<u>Mating</u>	<u>Unmating</u>						
1	3.89	6.27						
2	3.94	6.23						
3	3.79	6.10						
4	3.01	4.44						
5	3.00	4.85						
6	2.90	4.69						

Test Request #118824**MATING/UNMATING BASIC:****PESS-02-12-T-12.00-DR-NUS-R/ PET-02-01-T-VT**

<u>Sample#</u>	Initial		After 25 Cycles		After 50 Cycles		After 75 Cycles	
	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>	<u>Mating</u>	<u>Unmating</u>
1	5.25	2.79	6.01	4.29	6.54	6.02	6.80	5.83
2	5.22	3.26	5.18	4.41	5.53	5.76	6.19	6.65
3	5.16	3.75	5.85	5.39	6.64	6.88	7.39	7.96
4	5.52	7.02	6.03	6.88	6.80	8.41	7.08	8.16
5	4.93	3.36	4.76	4.47	5.22	5.60	6.03	5.89
6	5.06	3.19	5.27	4.62	5.60	6.17	6.38	6.09
After 100 Cycles								
<u>Sample#</u>	<u>Mating</u>	<u>Unmating</u>						
1	7.61	7.11						
2	5.94	6.60						
3	7.52	7.68						
4	6.87	8.89						
5	6.65	6.28						
6	6.70	6.79						

DATA Continued**Test Request #111667**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS-R\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PULL FORCE**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT****0° Pull force**

Sample #	Force (lbs)
1	81.5
2	79
3	69.5
4	71
5	80.5

90° Pull force

Sample #	Force (lbs)
1	54.5
2	55
3	65.5
4	62.5
5	63

Test Request #111667**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT****INSULATION RESISTANCE (IR):**

Thermal Insulation Resistance			
Measured In Meg Ohms			

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
111667-023	100000	100000	100000
111667-024	100000	100000	100000

Thermal Insulation Resistance			
Measured In Meg Ohms			

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
111667-023	100000	100000	100000
111667-024	100000	100000	100000

DATA Continued

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

Humidity Insulation Resistance

Measured In Meg Ohms

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
111667-023	25000	100000	100000
111667-024	25000	100000	100000

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

Initial Breakdown VoltageTest Voltage *Until Breakdown Occurs*

Pin to Pin			
	Mated	A Unmated	B
	x		
Sample#	PESS/PET	PESS	PET
111667-019	3100	6000	3100
111667-020	2500	5500	3000

Initial DWV

Test Voltage= 1875

Pin to Pin			
	Mated	A Unmated	B
Sample#	PESS/PET	PESS	PET
111667-023	1875	1875	1875
111667-024	1875	1875	1875

Thermal Test Voltage

Test Voltage= 1875

Pin to Pin			
	Mated	A Unmated	B
Sample#	PESS/PET	PESS	PET
111667-023	1875	1875	1875
111667-024	1875	1875	1875

DATA Continued

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

Humidity Test Voltage
Test Voltage= 1875

Pin to Pin			
	Mated	A Unmated	B
Sample#	PESS/PET	PESS	PET
111667-023	1875	1875	1875
111667-024	1875	1875	1875

Test Request #112526

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

INSULATION RESISTANCE (IR):

Initial Insulation Resistance
Measured In Meg Ohms

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

Thermal Insulation Resistance
Measured In Meg Ohms

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

Humidity Insulation Resistance
Measured In Meg Ohms

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

DATA Continued

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

DIELECTRIC WITHSTANDING VOLTAGE (DWV):**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT****Initial Breakdown Voltage****Test Voltage** *Until Breakdown Occurs***Pin to Pin****Mated****A****Unmated B****X**

Sample#	PESS/PET	PESS	PET
112526-013	2600	6000	3200
112526-014	2700	5500	3600

Initial DWV**Test Voltage= 1950****Pin to Pin****Mated****A****Unmated B**

Sample#	PESS/PET	PESS	PET
112526-017	1950	1950	1950
112526-018	1950	1950	1950

Thermal Test Voltage**Test Voltage= 1950****Pin to Pin****Mated****A****Unmated B**

Sample#	PESS/PET	PESS	PET
112526-017	1950	1950	1950
112526-018	1950	1950	1950

Humidity Test Voltage**Test Voltage= 1950****Pin to Pin****Mated****A****Unmated B**

Sample#	PESS/PET	PESS	PET
112526-017	1950	1950	1950
112526-018	1950	1950	1950

DATA Continued**Test Request #112528**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT
INSULATION RESISTANCE (IR):

Initial Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
112528-005	100000	100000	100000
112528-006	100000	100000	100000

Thermal Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
112528-005	100000	100000	100000
112528-006	100000	100000	100000

Humidity Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
112528-005	25000	100000	100000
112528-006	25000	100000	100000

DATA Continued

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-10-L-12.00-DR-NUS-R/ PET-08-01-L-VT

Initial Breakdown Voltage	
Test Voltage <i>Until Breakdown Occurs</i>	

Pin to Pin			
Mated		A	Unmated B
X			
Sample#	PESS/PET	PESS	PET
112528-001	3100	5600	3100
112528-002	3100	5600	3100

Initial DWV	
Test Voltage= 2325	

Pin to Pin			
Mated		A	Unmated B
Sample#	PESS/PET	PESS	PET
112528-005	2325	2325	2325
112528-006	2325	2325	2325

Thermal Test Voltage	
Test Voltage= 2325	

Pin to Pin			
Mated		A	Unmated B
Sample#	PESS/PET	PESS	PET
112528-005	2325	2325	2325
112528-006	2325	2325	2325

Humidity Test Voltage	
Test Voltage= 2325	

Pin to Pin			
Mated		A	Unmated B
Sample#	PESS/PET	PESS	PET
112528-005	2325	2325	2325
112528-006	2325	2325	2325

DATA Continued**Test Request #112529**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-10-T-12.00-DR-NUS-R/ PET-08-01-T-VT
INSULATION RESISTANCE (IR):

Initial Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

Thermal Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

Humidity Insulation Resistance	
Measured In Meg Ohms	

Pin to Pin			
	Mated	A Unmated	B
	X	X	X
Sample#	PESS/PET	PESS	PET
126974-001	100000	100000	100000
126974-002	100000	100000	100000

DATA Continued
DIELECTRIC WITHSTANDING VOLTAGE (DWV):

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-10-T-12.00-DR-NUS-R/ PET-08-01-T-VT**Initial Breakdown Voltage****Test Voltage** *Until Breakdown Occurs***Pin to Pin****Mated****A****Unmated****B****X**

Sample#	PESS/PET	PESS	PET
112529-030	3400	3100	3000
112529-031	3200	2800	3000

Initial DWV**Test Voltage= 2100****Pin to Pin****Mated****A****Unmated****B**

Sample#	PESS/PET	PESS	PET
112529-034	2100	2100	2100
112529-035	2100	2100	2100

Thermal Test Voltage**Test Voltage= 2100****Pin to Pin****Mated****A****Unmated****B**

Sample#	PESS/PET	PESS	PET
112529-034	2100	2100	2100
112529-035	2100	2100	2100

Humidity Test Voltage**Test Voltage= 2100****Pin to Pin****Mated****A****Unmated****B**

Sample#	PESS/PET	PESS	PET
112529-034	2100	2100	2100
112529-035	2100	2100	2100

DATA Continued**DATA Continued****Test Request #111667**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

LLCR Thermal aging:**PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT**

	mOhm values	Actual	Delta
Board	Position	Initial	Thermal Age
1	P1	2.0	0.1
1	P2	2.0	0.1
1	P3	2.0	0.1
1	P4	2.0	0.2
1	P5	2.0	0.2
1	P6	2.0	0.2
1	P7	1.9	0.1
1	P8	2.0	0.1
1	P9	2.0	0.0
1	P10	2.0	0.0
1	P11	2.0	0.0
1	P12	2.0	0.0
1	P13	2.0	0.0
1	P14	2.0	0.0
2	P1	2.0	0.1
2	P2	1.9	0.1
2	P3	2.0	0.1
2	P4	2.0	0.0
2	P5	2.0	0.1
2	P6	2.0	0.1
2	P7	2.0	0.0
2	P8	2.0	0.0
2	P9	2.0	0.1
2	P10	2.0	0.1
2	P11	2.1	0.1
2	P12	2.0	0.1
2	P13	2.0	0.0
2	P14	2.0	0.1
3	P1	1.9	0.1
3	P2	2.0	0.1
3	P3	2.0	0.1
3	P4	2.0	0.1
3	P5	2.0	0.1
3	P6	2.0	0.1
3	P7	2.0	0.0
3	P8	2.0	0.1
3	P9	2.0	0.1
3	P10	2.0	0.1
3	P11	2.0	0.1
3	P12	2.0	0.1

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

3	P13	2.0	0.1
3	P14	2.0	0.1
4	P1	2.0	0.1
4	P2	1.9	0.2
4	P3	2.0	0.1
4	P4	1.9	0.2
4	P5	2.0	0.2
4	P6	1.9	0.2
4	P7	1.9	0.2
4	P8	1.9	0.1
4	P9	2.0	0.1
4	P10	1.9	0.1
4	P11	2.0	0.1
4	P12	2.0	0.2
4	P13	2.0	0.2
4	P14	2.0	0.1
5	P1	2.1	0.1
5	P2	2.0	0.1
5	P3	2.0	0.2
5	P4	2.1	0.2
5	P5	2.0	0.2
5	P6	2.0	0.1
5	P7	2.0	0.2
5	P8	2.0	0.2
5	P9	2.0	0.1
5	P10	2.0	0.1
5	P11	2.1	0.1
5	P12	2.1	0.2
5	P13	2.1	0.1
5	P14	2.0	0.1
6	P1	2.0	0.0
6	P2	1.9	0.1
6	P3	2.0	0.0
6	P4	2.0	-0.1
6	P5	2.0	0.0
6	P6	2.0	0.0
6	P7	2.0	0.0
6	P8	2.0	0.0
6	P9	2.0	0.0
6	P10	2.0	0.0
6	P11	2.0	0.0
6	P12	2.0	0.0
6	P13	2.0	0.0
6	P14	2.0	0.1

DATA Continued

LLCR Durability:

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

	mOhm values	Actual	Delta	Delta	Delta
Board	Position	Initial	100 Cycles	Thermal	Humidity
1	P1	2.0	-0.1	0.0	0.0
1	P2	1.9	0.0	0.1	0.1
1	P3	2.0	0.0	0.0	0.0
1	P4	2.0	0.0	0.0	0.0
1	P5	2.0	0.0	0.1	0.0
1	P6	2.0	-0.1	0.0	0.0
1	P7	2.0	0.0	0.1	0.1
1	P8	2.0	0.0	0.1	0.1
1	P9	1.9	0.0	0.0	0.1
1	P10	2.0	0.2	0.2	0.2
1	P11	2.0	0.0	0.0	0.0
1	P12	2.0	0.1	0.1	0.0
1	P13	2.0	0.0	0.1	0.0
1	P14	2.0	0.0	0.0	0.0
2	P1	2.0	0.0	0.1	0.2
2	P2	2.0	0.0	0.0	0.0
2	P3	1.9	0.1	0.1	0.1
2	P4	2.0	0.0	0.0	0.0
2	P5	2.0	0.0	0.0	0.0
2	P6	2.0	0.0	0.0	0.0
2	P7	2.0	0.0	0.1	0.1
2	P8	1.9	0.0	0.0	0.1
2	P9	2.0	0.0	0.0	0.0
2	P10	2.0	0.0	0.0	0.1
2	P11	2.0	0.0	0.0	0.0
2	P12	2.0	0.0	0.0	0.0
2	P13	2.0	0.1	0.2	0.2
2	P14	2.0	0.0	0.0	0.1
3	P1	2.0	0.0	0.0	0.1
3	P2	1.9	0.0	0.1	0.2
3	P3	1.9	0.0	0.0	0.1
3	P4	2.0	0.0	0.0	0.0
3	P5	2.0	0.0	0.0	0.0
3	P6	2.0	0.0	0.0	0.0
3	P7	2.0	0.0	0.0	0.1
3	P8	2.0	0.0	0.1	0.1
3	P9	2.0	0.0	0.0	0.1
3	P10	2.0	0.0	0.0	0.1
3	P11	2.0	0.0	0.0	0.0
3	P12	2.0	0.0	0.0	0.0
3	P13	2.0	0.0	0.1	0.1
3	P14	2.0	0.0	0.0	0.1

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

4	P1	2.0	0.1	0.2	0.3
4	P2	2.0	0.0	0.1	0.2
4	P3	2.0	0.0	0.1	0.1
4	P4	2.0	0.0	0.0	0.0
4	P5	1.9	0.0	0.0	0.1
4	P6	2.0	0.0	0.0	0.1
4	P7	2.0	0.0	0.1	0.1
4	P8	2.0	0.0	0.0	0.1
4	P9	2.0	0.0	0.0	0.0
4	P10	2.0	0.0	0.0	0.0
4	P11	2.0	0.0	0.0	0.0
4	P12	2.0	0.0	0.0	0.1
4	P13	2.0	0.0	0.0	0.0
4	P14	2.0	0.0	0.0	0.0
5	P1	2.0	0.0	0.0	0.1
5	P2	2.0	0.0	0.1	0.2
5	P3	2.0	0.0	0.1	0.1
5	P4	2.0	0.0	0.1	0.2
5	P5	2.0	0.0	0.1	0.1
5	P6	2.0	0.0	0.0	0.1
5	P7	1.9	0.1	0.1	0.2
5	P8	2.0	0.0	0.1	0.3
5	P9	1.9	0.0	0.0	0.1
5	P10	2.0	0.0	0.0	0.1
5	P11	2.0	0.0	0.0	0.0
5	P12	1.9	0.0	0.1	0.1
5	P13	1.9	0.0	0.0	0.0
5	P14	1.9	0.0	0.1	0.1
6	P1	2.0	0.0	0.0	0.1
6	P2	2.0	0.0	0.0	0.1
6	P3	2.0	0.0	0.0	0.1
6	P4	2.0	0.0	0.0	0.1
6	P5	2.0	0.0	0.0	0.1
6	P6	2.0	0.0	0.0	0.1
6	P7	1.9	0.1	0.1	0.3
6	P8	2.0	0.0	0.1	0.2
6	P9	2.0	0.0	0.1	0.1
6	P10	1.9	0.1	0.1	0.1
6	P11	2.0	0.0	0.0	0.0
6	P12	2.0	0.0	0.0	0.0
6	P13	2.0	0.0	0.0	0.0
6	P14	2.0	0.0	0.0	0.0

DATA Continued

LLCR Gas Tight

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

	mOhm values	Actual	Delta
Board	Position	Initial	Gas Tight
1	P1	2.0	0.0
1	P2	2.0	0.0
1	P3	1.9	0.1
1	P4	2.0	0.1
1	P5	2.0	0.1
1	P6	2.0	0.1
1	P7	2.0	0.1
1	P8	2.0	0.0
1	P9	2.0	0.0
1	P10	2.0	0.0
1	P11	2.0	0.1
1	P12	2.0	0.0
1	P13	2.0	0.0
1	P14	2.0	0.0
2	P1	2.0	0.0
2	P2	2.0	0.1
2	P3	2.0	0.1
2	P4	2.0	0.1
2	P5	2.0	0.1
2	P6	2.0	0.1
2	P7	2.0	0.0
2	P8	2.0	0.1
2	P9	2.0	0.0
2	P10	2.0	0.1
2	P11	2.0	0.1
2	P12	2.0	0.1
2	P13	2.0	0.0
2	P14	2.0	0.0
3	P1	2.0	0.1
3	P2	2.0	0.1
3	P3	2.0	0.1
3	P4	1.9	0.1
3	P5	2.0	0.1
3	P6	2.0	0.1
3	P7	2.0	0.1
3	P8	1.9	0.1
3	P9	2.0	0.0
3	P10	2.0	0.1
3	P11	2.0	0.0
3	P12	2.0	0.1
3	P13	2.0	0.1

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

3	P14	2.0	0.1
4	P1	2.0	0.1
4	P2	2.0	0.1
4	P3	2.1	0.1
4	P4	2.0	0.1
4	P5	2.0	0.0
4	P6	2.1	0.0
4	P7	2.0	0.1
4	P8	2.0	0.0
4	P9	2.0	0.1
4	P10	2.0	0.1
4	P11	2.0	0.1
4	P12	2.0	0.1
4	P13	2.0	0.0
4	P14	2.0	0.1
5	P1	2.0	0.1
5	P2	2.0	0.0
5	P3	2.0	0.0
5	P4	2.0	0.1
5	P5	2.0	0.1
5	P6	2.0	0.0
5	P7	2.0	0.1
5	P8	2.0	0.0
5	P9	2.0	0.0
5	P10	2.0	0.1
5	P11	2.0	0.0
5	P12	2.0	0.1
5	P13	2.0	0.1
5	P14	2.0	0.0
6	P1	2.0	0.0
6	P2	2.0	0.1
6	P3	2.0	0.1
6	P4	2.0	0.1
6	P5	2.0	0.1
6	P6	2.0	0.1
6	P7	2.0	0.1
6	P8	2.0	0.1
6	P9	2.0	0.0
6	P10	2.0	-0.1
6	P11	2.0	0.0
6	P12	2.0	0.0
6	P13	2.0	0.0
6	P14	2.0	0.0

DATA Continued**LLCR Shock/Vibration:**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-12-L-12.00-DR-NUS-R/ PET-08-01-L-VT

	mOhm values	Actual	Delta
Board	Position	Initial	Shock/Vib
1	P1	2.1	0.0
1	P2	2.1	0.0
1	P3	2.1	0.0
1	P4	2.1	0.1
1	P5	2.1	0.0
1	P6	2.1	0.1
1	P7	2.1	0.1
1	P8	2.2	0.3
2	P1	2.2	0.0
2	P2	2.1	0.0
2	P3	2.1	0.0
2	P4	2.1	0.1
2	P5	2.1	0.0
2	P6	2.1	0.0
2	P7	2.1	0.0
2	P8	2.2	0.1
3	P1	2.1	0.0
3	P2	2.1	0.0
3	P3	2.1	0.0
3	P4	2.1	0.0
3	P5	2.1	0.0
3	P6	2.2	0.0
3	P7	2.1	0.0
3	P8	2.1	0.3
4	P1	2.1	0.0
4	P2	2.1	0.0
4	P3	2.1	0.0
4	P4	2.1	0.1
4	P5	2.2	0.0
4	P6	2.2	0.0
4	P7	2.2	0.0
4	P8	2.1	0.2
5	P1	2.2	0.1
5	P2	2.1	0.0
5	P3	2.1	0.0
5	P4	2.1	0.0
5	P5	2.1	0.0
5	P6	2.1	0.0
5	P7	2.1	0.0
5	P8	2.1	0.0
6	P1	2.1	0.0
6	P2	2.1	0.0

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

6	P3	2.1	0.0
6	P4	2.1	0.0
6	P5	2.1	0.0
6	P6	2.2	0.1
6	P7	2.1	0.1
6	P8	2.1	0.1
7	P1	2.1	0.0
7	P2	2.1	0.0
7	P3	2.2	0.0
7	P4	2.2	0.1
7	P5	2.2	0.0
7	P6	2.2	0.1
7	P7	2.2	0.1
7	P8	2.1	0.2
8	P1	2.1	0.0
8	P2	2.1	0.0
8	P3	2.1	0.0
8	P4	2.1	0.0
8	P5	2.1	0.0
8	P6	2.1	0.0
8	P7	2.1	0.0
8	P8	2.2	0.1

Data Continued

Test Request #1112526

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

LLCR Thermal aging:**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

	mOhm values	Actual	Delta
Board	Position	Initial	Thermal Age
1	P1	1.9	0.0
1	P2	1.9	0.0
1	P3	1.9	0.0
1	P4	1.9	0.0
1	P5	1.9	0.0
1	P6	1.9	0.0
1	P7	1.9	0.0
1	P8	1.9	0.0
1	P9	1.9	0.0
1	P10	1.9	0.0
1	P11	1.9	0.0
1	P12	1.9	0.0
1	P13	1.9	0.0
1	P14	1.9	0.0
2	P1	1.9	0.0
2	P2	1.9	0.0
2	P3	1.9	0.0
2	P4	1.9	0.0
2	P5	1.9	0.0
2	P6	1.9	0.0
2	P7	1.9	0.0
2	P8	1.9	0.0
2	P9	2.0	0.0
2	P10	1.9	0.0
2	P11	1.9	0.0
2	P12	1.9	0.0
2	P13	1.9	0.0
2	P14	1.9	0.0
3	P1	1.9	0.0
3	P2	1.9	0.1
3	P3	1.9	0.0
3	P4	1.9	0.0
3	P5	1.9	0.0
3	P6	1.9	0.0
3	P7	1.9	0.0
3	P8	1.9	0.0
3	P9	1.9	0.1
3	P10	1.9	0.0
3	P11	1.9	0.0
3	P12	1.9	0.0

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

3	P13	1.9	0.0
3	P14	1.9	0.0
4	P1	1.9	0.0
4	P2	1.9	0.0
4	P3	1.9	0.0
4	P4	1.9	0.0
4	P5	1.9	0.0
4	P6	1.9	0.0
4	P7	1.9	0.0
4	P8	1.9	0.0
4	P9	1.9	0.0
4	P10	1.9	0.0
4	P11	1.9	0.0
4	P12	1.8	0.0
4	P13	1.9	0.0
4	P14	1.9	0.0
5	P1	2.0	0.0
5	P2	1.9	0.0
5	P3	1.9	0.0
5	P4	1.9	0.0
5	P5	1.9	0.0
5	P6	1.9	0.0
5	P7	1.9	0.0
5	P8	1.9	0.0
5	P9	1.9	0.0
5	P10	1.9	0.0
5	P11	1.9	0.0
5	P12	1.9	0.0
5	P13	1.9	0.0
5	P14	1.9	0.0
6	P1	1.9	0.0
6	P2	1.9	0.0
6	P3	1.9	0.0
6	P4	1.9	0.0
6	P5	1.9	0.0
6	P6	1.9	0.0
6	P7	1.9	0.0
6	P8	1.9	0.0
6	P9	1.9	0.0
6	P10	1.9	0.0
6	P11	2.0	0.0
6	P12	1.9	0.0
6	P13	1.9	0.0
6	P14	1.9	0.0

DATA Continued

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

LLCR Durability:**PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT**

	mOhm values	Actual	Delta	Delta	Delta
Board	Position	Initial	100 Cycles	Thermal	Humidity
1	P1	1.9	0.1	0.1	0.1
1	P2	1.9	0.0	0.1	0.2
1	P3	1.9	0.0	0.1	0.1
1	P4	1.9	0.1	0.1	0.2
1	P5	1.9	0.0	0.0	0.1
1	P6	1.9	0.0	0.0	0.1
1	P7	1.9	0.0	0.2	0.2
1	P8	1.9	0.1	0.3	0.4
1	P9	1.9	0.2	0.2	0.3
1	P10	1.9	0.0	0.1	0.2
1	P11	1.9	0.0	0.1	0.2
1	P12	1.9	0.0	0.1	0.2
1	P13	1.9	0.0	0.0	0.1
1	P14	1.9	0.0	0.0	0.1
2	P1	1.9	0.1	0.1	0.5
2	P2	1.9	0.0	0.1	0.2
2	P3	1.8	0.1	0.2	0.2
2	P4	1.9	0.0	0.1	0.1
2	P5	1.8	0.1	0.1	0.2
2	P6	1.9	0.0	0.1	0.1
2	P7	1.9	0.0	0.0	0.1
2	P8	1.9	0.1	0.2	0.2
2	P9	1.9	0.0	0.1	0.1
2	P10	1.9	0.1	0.1	0.1
2	P11	1.9	0.0	0.1	0.1
2	P12	1.9	0.0	0.0	0.1
2	P13	1.9	0.0	0.0	0.1
2	P14	1.9	0.0	0.1	0.1
3	P1	1.9	0.0	0.1	0.2
3	P2	1.9	0.0	0.1	0.1
3	P3	1.9	0.0	0.1	0.1
3	P4	1.9	0.0	0.0	0.1
3	P5	2.0	0.0	0.0	0.0
3	P6	1.9	0.0	0.0	0.0
3	P7	1.8	0.1	0.2	0.2
3	P8	1.9	0.0	0.0	0.2
3	P9	1.8	0.2	0.2	0.3
3	P10	1.8	0.1	0.1	0.2
3	P11	2.1	-0.2	-0.2	-0.1
3	P12	1.9	0.1	0.0	0.1
3	P13	1.9	0.1	0.1	0.2

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

3	P14	1.9	0.0	0.0	0.1
4	P1	1.9	0.1	0.4	0.4
4	P2	1.9	0.1	0.3	0.5
4	P3	1.9	0.0	0.1	0.2
4	P4	1.9	0.1	0.1	0.2
4	P5	1.9	0.1	0.2	0.4
4	P6	1.9	0.1	0.4	0.2
4	P7	1.9	0.0	0.1	0.3
4	P8	1.9	0.1	0.3	0.2
4	P9	1.9	0.1	0.1	0.2
4	P10	1.9	0.1	0.0	0.1
4	P11	1.9	0.1	0.0	0.1
4	P12	1.9	0.0	0.0	0.1
4	P13	1.9	0.1	0.1	0.2
4	P14	1.9	0.1	0.0	0.1
5	P1	2.0	0.1	0.1	0.4
5	P2	2.0	0.0	0.1	0.2
5	P3	2.0	0.0	0.1	0.2
5	P4	2.0	0.0	0.0	0.2
5	P5	2.0	0.1	0.1	0.1
5	P6	2.0	0.0	0.1	0.3
5	P7	2.0	0.1	0.2	0.3
5	P8	2.0	0.0	0.1	0.4
5	P9	2.0	0.0	0.0	0.2
5	P10	1.9	0.0	0.0	0.2
5	P11	2.0	0.0	0.0	0.2
5	P12	2.0	0.0	0.0	0.1
5	P13	1.9	0.0	0.0	0.2
5	P14	2.0	0.0	0.0	0.1
6	P1	2.0	0.0	0.1	0.2
6	P2	1.9	0.0	0.1	0.2
6	P3	1.9	0.0	0.1	0.2
6	P4	1.9	0.0	0.0	0.1
6	P5	1.9	0.0	0.0	0.1
6	P6	2.0	0.0	0.0	0.1
6	P7	1.9	0.0	0.1	0.1
6	P8	1.8	0.2	0.2	0.3
6	P9	2.0	0.0	0.0	0.1
6	P10	2.0	0.0	0.0	0.1
6	P11	1.9	0.1	0.1	0.2
6	P12	1.9	0.0	0.0	0.1
6	P13	1.9	0.0	-0.1	0.0
6	P14	1.9	0.0	0.0	0.1

DATA Continued**LLCR Shock/Vibration:**

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

PESS-08-12-T-12.00-DR-NUS-R/ PET-08-01-T-VT

	mOhm values	Actual	Delta
Board	Position	Initial	Shock/Vib
1	P1	2.0	0.0
1	P2	2.0	0.0
1	P3	2.1	0.0
1	P4	2.1	0.0
1	P5	2.0	0.0
1	P6	2.1	0.0
1	P7	2.2	0.0
1	P8	2.0	0.0
2	P1	2.1	0.0
2	P2	2.1	0.2
2	P3	2.1	0.0
2	P4	2.1	0.0
2	P5	2.0	0.0
2	P6	2.2	0.0
2	P7	2.0	0.0
2	P8	2.0	0.1
3	P1	2.1	0.0
3	P2	2.2	0.0
3	P3	2.1	0.1
3	P4	2.1	0.0
3	P5	2.1	0.0
3	P6	2.1	0.0
3	P7	2.2	0.0
3	P8	2.1	0.1
4	P1	2.1	0.0
4	P2	2.1	0.0
4	P3	2.1	0.0
4	P4	2.1	0.0
4	P5	2.1	0.0
4	P6	2.1	0.0
4	P7	2.1	0.0
4	P8	2.0	0.0
5	P1	2.2	0.0
5	P2	2.2	0.0
5	P3	2.3	0.0
5	P4	2.1	0.0
5	P5	2.2	0.0
5	P6	2.1	0.0
5	P7	2.2	0.0
5	P8	2.2	0.1
6	P1	2.1	0.0
6	P2	2.3	0.0

Tracking Code: 111667_Report_Rev_2

Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT
 PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT
 PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT
 PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT
 PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT

Part description: PESS\PET

6	P3	2.1	0.0
6	P4	2.1	0.0
6	P5	2.1	0.0
6	P6	2.1	0.0
6	P7	2.1	0.0
6	P8	2.1	0.0
7	P1	2.1	0.0
7	P2	2.1	0.0
7	P3	2.1	0.0
7	P4	2.0	0.0
7	P5	2.0	0.0
7	P6	2.1	0.0
7	P7	2.0	0.0
7	P8	2.0	0.0
8	P1	2.2	0.0
8	P2	2.1	0.0
8	P3	2.2	0.0
8	P4	2.0	0.0
8	P5	2.1	0.0
8	P6	2.0	0.0
8	P7	2.0	0.0
8	P8	2.1	0.2

EQUIPMENT AND CALIBRATION SCHEDULES

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

Equipment #: TSC-01

Description: Vertical Thermal Shock Chamber

Manufacturer: Cincinnatti 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 #: MO-01

Description: Micro-ohmmeter

Manufacturer: Keithley

Model: 580

Serial #: 0772740

Accuracy: Last Cal: 04/30/2010, Next Cal: 4/30/2011

Equipment #: MO-03

Description: Multimeter /Data Acquisition System

Manufacturer: Keithley

Model: 2700

Serial #: 0791975

Accuracy: See Manual

... Last Cal: 06/16/2010, Next Cal: 06/16/2011

Equipment #: MO-04

Description: Multimeter /Data Acquisition System

Manufacturer: Keithley

Model: 2700

Serial #: 0798688

Accuracy: See Manual

... Last Cal: 4/30/2010, Next Cal: 4/30/2011

Equipment #: THC-01

Description: Temperature/Humidity Chamber

Manufacturer: Thermotron

Model: SM-8-7800

Serial #: 30676

Accuracy: See Manual

... Last Cal: 08/16/2010, Next Cal: 02/16/2011

Equipment #: OV-03

Description: Cascade Tek Forced Air Oven

Manufacturer: Cascade Tek

Model: TFO-5

Serial #: 0500100

Tracking Code: 111667_Report_Rev_2	Part #: PESS-08-12-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-L-VT PESS-08-12-T-12.00-DR-NUS\PET-08-01-T-VT PESS-02-12-L-12.00-DR-NUS-R\PET-02-01-L-VT PESS-02-12-T-12.00-DR-NUS-R\PET-02-01-T-VT PESS-08-10-L-12.00-DR-NUS-R\PET-08-01-T-VT
Part description: PESS\PET	

Accuracy: Temp. Stability: +/- .1C/C change in ambient

Last Cal: 06/16/2010, Next Cal: 206/16/2011

Equipment #: TCT-01

Description: Normal force analyzer

Manufacturer: Mecmesin Multitester

Model: Mecmesin Multitester 2.5-i

Serial #: 04-1041-04

Accuracy: Last Cal: 05/21/2010, Next Cal: 05/21/2011

Equipment #: SVC-01

Description: Shock & Vibration Table

Manufacturer: Data Physics

Model: LE-DSA-10-20K

Serial #: 10037

Accuracy: See Manual

... Last Cal: 11/31/2010, Next Cal: 11/31/2011

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 #: 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