JANUARY 22, 2008

TEST REPORT #207512A/207855

MPX-VT TEST PLAN

CONNECTOR TESTING

CONNECTOR SERIES

MPSC/ MPTC
MPS/MPT

SAMTEC, INC.

APPROVED BY: DOMINIC ARPINO
PROGRAM MANAGER
CONTECH RESEARCH, INC.

ilac-MRA 1478 - 01 ACCREDITED Test Laboratory 1478 - 02

Contech Research
An Independent Test and Research Laboratory

REVISION HISTORY

DATE	REV. NO.	DESCRIPTION	ENG.
1/22/2008	1.0	Initial Issue	DA

CERTIFICATION

This is to certify that the MPTC/MPSC, MPT/MPS connector series evaluation described herein was designed and executed by personnel of Contech Research, Inc. It was performed with the concurrence of Samtec, Inc. of New Albany, IN who was the test sponsor.

All equipment and measuring instruments used during testing were calibrated and traceable to NIST according to ISO 10012-1, ANSI/NCSL Z540-1 and MIL-STD-45662 as applicable.

All data, raw and summarized, analysis and conclusions presented herein are the property of the test sponsor. No copy of this report, except in full, shall be forwarded to any agency, customer, etc., without the written approval of the test sponsor and Contech Research.

Dominic Arpino
Program Manager
Contech Research, Inc.

DA:cf

SCOPE

To perform qualification testing on the MPTC/MPSC, MPT/MPS series connector as manufactured and submitted by the test sponsor Samtec, Inc.

APPLICABLE DOCUMENTS

1. Unless otherwise specified, the following documents of issue in effect at the time of testing performed form a part of this report to the extent as specified herein. The requirements of sub-tier specifications and/or standards apply only when specifically referenced in this report.

2. Samtec Specifications: MPX-VT Test Plan

3. Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

1. The following test samples were submitted by the test sponsor, Samtec, Inc., for the evaluation to be performed by Contech Research, Inc.

	Description	Part Number
a)	Receptacle Connector	MPSC-02-80-02-7.70-01-L-V-LC
b)	Plug Connector	MPTC-02-80-02-6.30-01-L-V-LC
c)	Plug Connector	MPTC-02-80-02-L-01-L-RA-LC
d)	Receptacle Connector	MPS-08-7.70-01-L-V-LC
e)	Plug Connector	MPT-08-6.30-01-L-V-LC
f)	Plug Connector	MPT-08-01-L-RA-LC

Note: Line items a), b) and c) are connectors that are populated with power and signal contacts. Line items d), e) and f) are connectors populated with power contacts only.

MPSC-02-80-02-7.70-01-L-V-LC mates to MPTC-02-80-02-6.30-01-L-V-LC
MPSC-02-80-02-7.70-01-L-V-LC mates to MPTC-02-80-02-L-01-L-RA-LC
MPS-08-7.70-01-L-V-LC mates to MPT-08-6.30-01-L-V-LC
MPS-08-7.70-01-L-V-LC mates to MPT-08-01-L-RA-LC

2. Additional test samples MPS-08-7.70-01-L-V-LC/MPT-08-01-L-RA-LC were added to the test program in order to meet the LLCR 200 data points requirement for sequence “a” and “c”. These samples were included in this test report. The LLCR data sheets are identified as 207855, file #20785501.

TEST SAMPLES AND PREPARATION -continued

3. Test samples were supplied assembled and terminated to test boards by the test sponsor. Specific test boards were designed for the following tests:
    - IR/DWV
    - LLCR
    - Nanosecond Event Detection

4. The test samples for vibration and mechanical shock were prepared by terminating all positions in series for monitoring contact events during vibration and/or shock.

5. Unless otherwise specified in the test procedures used, no further preparation was used.

TEST SELECTION

1. See Test Plan Flow Diagram, Figure #1, for test sequences used.

2. Test set ups and/or procedures which are standard or common are not detailed or documented herein provided they are certified as being performed in accordance with the applicable (industry or military) test methods, standards and/or drawings as specified in the detail specification.

SAMPLE CODING

1. All samples were coded. Mated test samples remained with each other throughout the test group/sequences for which they were designated. Coding was performed in a manner, which remained legible for the test duration.

-continued on next page.

SAMPLE CODING –continued

2. The test samples were coded in the following manner:

Seq a: Group A - A-A-1, A-A-2, etc.
Group B1 – A-B1-1, A-B1-2, etc.
Group B2 - A-B2-1, A-B2-2, etc.
Group B3 - A-B3-1, A-B3-2, etc.
Seq b: Group A - B-A-1, B-A-2, B-A-3, B-A-4, B-A-5, B-A-6, B-A-7, B-A-8, etc.
Seq c: Group A - C-A-1, C-A-2, C-A-3, C-A-4, C-A-5, C-A-6, C-A-7, C-A-8, etc.
Seq d: Group A - D-A-1, D-A-2, D-A-3, etc.

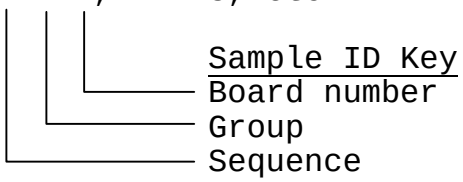
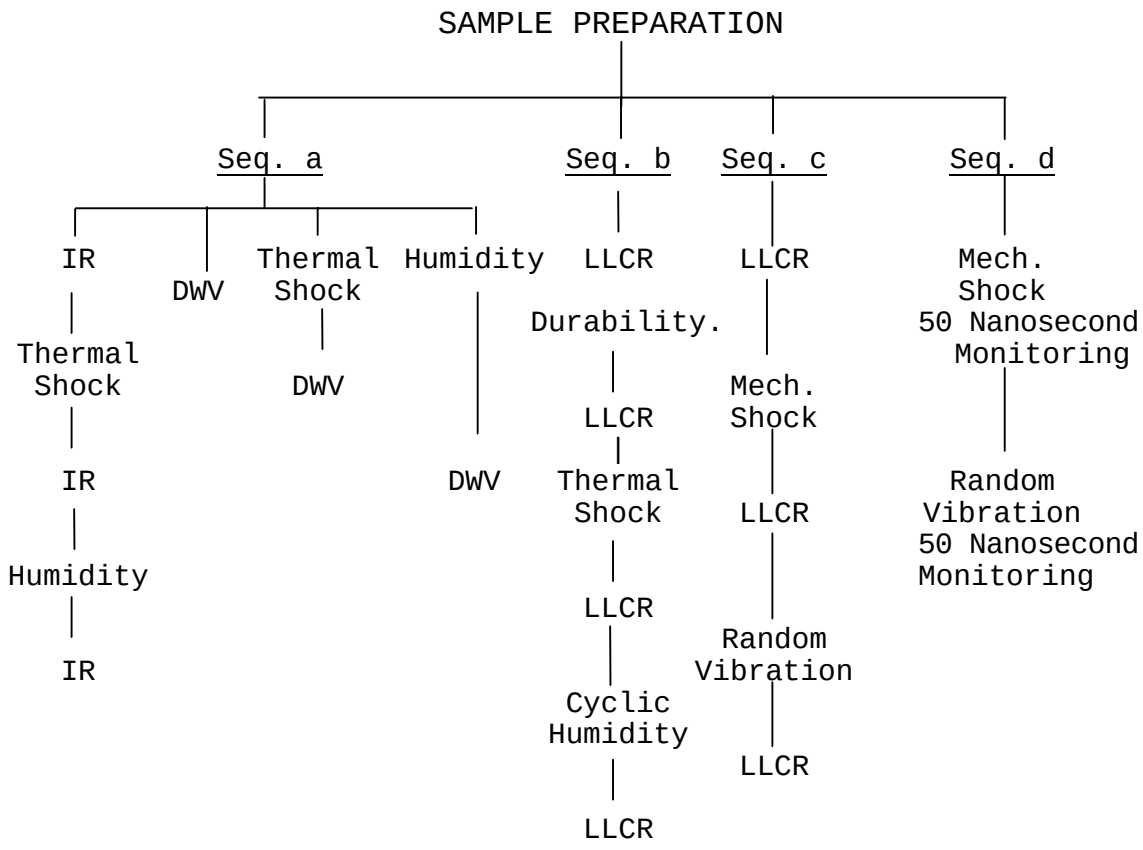


FIGURE #1

TEST PLAN FLOW DIAGRAM



Group A	Group B1	Group B2	Group B3	Group A	Group A	Group A

IR : Insulation Resistance
DWV : Dielectric Withstanding Voltage
LLCR : Low Level Circuit Resistance

DATA SUMMARY

VERTICAL CONNECTOR DATA

MPSC-02-80-02-7.70-01-L-V-LC
MPTC-02-80-02-6.30-01-L-V-LC
MPS-08-7.70-01-L-V-LC
MPT-08-01-L-V-LC

TEST	REQUIREMENT	RESULTS
SEQUENCE a		
GROUP A - Signal and Power Contacts		
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
Thermal Shock	No Damage	Passed
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
Humidity	No Damage	Passed
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
GROUP B1 - Signal and Power Contacts 1		
DWV	900 VAC	Passed
GROUP B2 - Signal and Power Contacts		
Thermal Shock	No Damage	Passed
DWV	900 VAC	Passed
GROUP B3 - Signal and Power Contacts		
Humidity	No Damage	Passed
DWV	900 VAC	Passed
SEQUENCE b		
GROUP A - Signal Contacts – 200 data points total		
LLCR	Record	6.92 mΩ Max
Durability	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.83 mΩ Max.Chg.
Thermal Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.34 mΩ Max.Chg.
Cyclic Humidity	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+1.73 mΩ Max.Chg.

DATA SUMMARY – continued

TEST	REQUIREMENT	RESULTS
SEQUENCE b		
GROUP A - Power Contacts – 200 data points total		
LLCR	Record	1.85 mΩ Max
Durability	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.69 mΩ Max.Chg.
Thermal Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.45 mΩ Max.Chg.
Cyclic Humidity	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.38 mΩ Max.Chg.
SEQUENCE c		
GROUP A – Signal Contacts		
LLCR	Record	6.78 mΩ Max
Mechanical Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.51 mΩ Max.Chg.
Random Vibration	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+1.61 mΩ Max.Chg.
GROUP A – Power Contacts		
LLCR	Record	1.45 mΩ Max
Mechanical Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.97 mΩ Max.Chg.
Random Vibration	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.55 mΩ Max.Chg.
SEQUENCE d		
GROUP A - Signal and Power Contacts		
Mechanical Shock	No Damage	Passed
	50 Nanosecond	Passed
Random Vibration	No Damage	Passed
	50 Nanosecond	Passed

DATA SUMMARY – continued

RIGHT ANGLE CONNECTOR DATA

MPSC-02-80-02-7.70-01-L-V-LC
MPTC-02-80-02-01-L-RA-LC
MPS-08-7.70-01-L-V-LC
MPT-02-01-L-RA-LC

TEST	REQUIREMENT	RESULTS
SEQUENCE a (207512 & 207855)		
GROUP A- Signal and Power Contacts		
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
Thermal Shock	No Damage	Passed
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
Humidity	No Damage	Passed
Insulation Resistance	1000 Megohms Min.	>50,000 Megohms
GROUP B1- Signal and Power Contacts		
DWV	900 VAC	Passed
GROUP B2 - Signal and Power Contacts		
Thermal Shock	No Damage	Passed
DWV	900 VAC	Passed
GROUP B3- Signal and Power Contacts		
Humidity	No Damage	Passed
DWV	900 VAC	Passed
SEQUENCE b		
GROUP A1 - Signal Contacts - 200 data points total		
LLCR	Record	11.34 mΩ Max
Durability	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+2.00 mΩ Max.Chg.
Thermal Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+2.18 mΩ Max.Chg.
Cyclic Humidity	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.28 mΩ Max.Chg.

DATA SUMMARY – continued

TEST	REQUIREMENT	RESULTS
SEQUENCE b		
GROUP A - Power Contacts - 200 data points total		
LLCR	Record	1.85 mΩ Max
Durability	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.69 mΩ Max.Chg
Thermal Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.98 mΩ Max.Chg
Cyclic Humidity	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+5.78 mΩ Max.Chg
SEQUENCE c		
GROUP A- Signal Contacts		
LLCR	Record	12.59 mΩ Max
Mechanical Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.81 mΩ Max.Chg
Random Vibration	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.60 mΩ Max.Chg
SEQUENCE c Power Contacts (207855)		
GROUP A		
LLCR	Record	0.69
Mechanical Shock	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.11 mΩ Max.Chg
Random Vibration	No Damage	Passed
LLCR	+10.0 mΩ Max.Chg.	+0.04 mΩ Max.Chg
SEQUENCE d		
GROUP A- Signal and Power Contacts		
Mechanical Shock	No Damage	Passed
	50 Nanosecond	Passed
Random Vibration	No Damage	Passed
	50 Nanosecond	Passed

EQUIPMENT LIST

ID#	Next Cal	Last Cal	Equipment Name	Manufacturer	Model #	Serial #	Accuracy	Freq.Cal
27			Temp. Humid. Chamber	Blue M Co.	FR-256PC-1	F2-249	See Cal Cert	Ea Test
95	11/8/2008	11/8/2007	AC Hypot	Peschell Instr.	P10*	5570	±3%Full Scale	12mon
192	3/6/2008	3/6/2007	Vertical Thermal Shock	Cincinnati Sub-Zero	VTS-1-5-3	88-11094	See Cal Cert	12mon
244	10/5/2008	10/5/2007	Micro-Ohm Meter	Keithley Instr.	580-1	467496	See Cal Cert	12mon
280	2/7/2008	2/7/2007	Micro-Ohm Meter	Keithley Instr.	580	477845	See Cal Cert	12mon
295	10/16/2008	10/16/2007	Micro-Ohm Meter	Keithley Instr.	580	480781	See Cal Cert	12 mon.
297	11/7/2008	11/7/2007	Micro-Ohm Meter	Keithley Instr.	580	485414	See Cal Cert	12mon
321	3/7/2008	3/7/2007	AC-DC Hipot/Megometer	Hipotronics Co.	H300B	DS16-201	See Cal Cert	12 mon.
323			Computer	Legatech	286-12	N/A	N/A	N/A
421	3/15/2008	3/15/2007	Megohmeter	Hipotronics Co.	HM3A	031423-00	See Cal Cert	12 mon.
468			Soldering Station	Weller Co.	TC201T	N/A	N/A	N/A
545	1/2/2009	1/2/2008	Event Detector	Anatech	32/64 EHD	941206	See Cal Cert	12mon
553	1/22/2008	1/8/2007	12 channel Power Unit	PCB Co.	483A	1303	See Cal Cert	12mon
558			Computer	ARC Elect.	P111-450	274B031586	N/A	N/A
594			Computer	Sensible P/C	586-133	DX-133	N/A	N/A
601			Computer	A.M.I.	P111-450	082714	N/A	N/A
619	2/6/2008	2/6/2007	Accelerometer	PCB	A353B15	34196	See Cal. Cert	12mon
677	10/5/2008	10/5/2007	Microohm Meter	Keithley Co.	580	0685122	See Cal Cert	12 mon
681			Computer	ARC Co.	P166	N/A	N/A	N/A
684	7/26/2008	7/26/2007	Accelerometer	PCB. Co.	353B04	47648	See Cal Cert.	12mon
954	2/27/2008	2/27/2007	Microohm meter	Keithley	580	0945738	See Cal Cert	12mon
955	7/11/2008	7/11/2007	Microohm meter	Keithley	580	0945739	See Cal Cert	12mon
1032			Computer	Magitronic	486DX4	100VL	N/A	N/A
1121	5/31/2008	5/31/2007	Accelerometer	PCB	353B04	57715	See Cal. Cert.	12mon
1125	8/16/2008	8/16/2007	Microohm Meter	Keithley	580	451920	See Cal Cert	12 mon.

EQUIPMENT LIST -continued

ID#	Next Cal	Last Cal	Equipment Name	Manufacturer	Model #	Serial #	Accuracy	Freq.Cal
1166	9/6/2008	9/6/2007	Sine/Rndm Vib Control Digitizer	Hewlett Packard	E1432A	US39342279	See Cal Cert	12mon
1167			Interface	Hewlett Packard	E8491B	US390100753	N/A	N/A
1168			Mainframe	Hewlett Packard	E8408A	US39000357	N/A	N/A
1169			Computer	ARC	PC133	none	N/A	N/A
1219			Computer	ARC Co.	350	350	±2%	N/A
1239			Bench Oven	Blue M.	ESP400C-5	ESP-1229	See Manual	Ea Test
1271			Amplifier	Unholtz Dickie	SA15	3483	See Manual	N/A
1272			Shaker Table	Unholtz Dickie	S202PB	263	N/A	N/A
1314	1/24/2008	1/24/2007	Multiplexer card	Keithley Co.	7708	0862544	See CERT	12mon
1315	1/24/2008	1/24/2007	Data Aquisition Multimeter	Keithley Co.	2700	0862680	See CERT	12mon
1339	1/25/2008	1/25/2007	Hipot Tester A/C-DC	Quad Tech	Sentry 30	2052040	See Cert	12mon
1361	1/24/2008	1/24/2007	Multiplexer Card	Keithley	7708	1067661	See Cal Cert	12mon
1457	12/26/2008	12/26/2007	Precision Resistor	Victorine	5KMOHM	465	See Cal Cert	12mon
1512			Computer	Comp USA	Pentium 3	N/A	N/A	N/A

TEST RESULTS

SEQUENCE A

Group A

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 207512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 2 pairs/type TECHNICIAN: S.Rath, RJC

START DATE: 11/12/07 COMPLETE DATE: 12/12/07

ROOM AMBIENT: 22°C RELATIVE HUMIDITY: 28%

EQUIPMENT ID#: 321, 421, 468, 1457

INSULATION RESISTANCE (IR)

PURPOSE:

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.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 21.

2. Test Conditions:

a) Between Adjacent Contacts	:	Yes
b) Between Rows	:	Yes
c) Mated Condition	:	Mated
d) Mounting Condition	:	Mounted
e) Electrification Time	:	2.0 Minutes
f) Test Voltage	:	500 VDC

3. The test voltage was applied to designated test points on the board.

REQUIREMENTS:

When the specified test voltage is applied, the insulation resistance shall not be less than 1,000 megohms.

RESULTS:

The insulation resistance exceeded 50,000 megohms.

PROJECT NO.: 207512A/207855	SPECIFICATION: MPX-VT Test Plan
PART NO.: See page 4	PART DESCRIPTION: See page 4
SAMPLE SIZE: 2 pairs/type	TECHNICIAN: RJC, S.Rath, S-R
START DATE: 11/16/07	COMPLETE DATE: 12/19/07
ROOM AMBIENT: 22°C	RELATIVE HUMIDITY: 21%
EQUIPMENT ID#: 192, 1314, 1315, 1361	

THERMAL SHOCK

PURPOSE:

To determine the resistance of a given electrical connector to exposure at extremes of high and low temperatures and the shock of alternate exposures to these extremes, simulating the worst probable conditions of storage, transportation and application.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 32, with the following conditions:

2. Test Conditions:

   a) Number of Cycles : 100 Cycles
   b) Hot Extreme : +85 +3°C/-0°C
   c) Cold Extreme : -55 +0°C/-3°C
   d) Time at Temperature : 30 Minutes
   e) Mating Conditions : Mated
   f) Mounting Conditions : Mounted
   g) Transfer Time : Instantaneous

3. The total number of cycles was performed continuously.

4. Prior to performing variable measurements, the test samples were allowed to recover to room ambient conditions.

5. All subsequent variable testing was performed in accordance with the procedures previously indicated.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage or deterioration of the test samples so exposed.

2. The insulation resistance shall exceed 1,000 megohms.

RESULTS:

1. There was no evidence of visual or physical damage to the test samples as tested.

2. All test samples as tested met the requirements as specified.

PROJECT NO.: 20512A/207855	SPECIFICATION: MPX-VT Test Plan
PART NO See page 4	PART DESCRIPTION: See page 4
SAMPLE SIZE: 2 pairs/type	TECHNICIAN: RJC, S.Rath, S-R
START DATE: 11/10/07	COMPLETE DATE: 12/31/07
ROOM AMBIENT: 23°C	RELATIVE HUMIDITY: 24%
EQUIPMENT ID#: 27, 1314, 1315, 1361	

HUMIDITY (THERMAL CYCLING)

PURPOSE:

1. The purpose of this test is to permit evaluation of the properties of materials used in connectors as they are influenced or deteriorated by the effects of high humidity and heat conditions. Measurements made under high humidity conditions may reflect the peculiar conditions under which the readings were made, and should be compared only to initial readings when careful analysis indicates that such a comparison is valid and applicable.
2. This test obtains added effectiveness in employment of temperature cycling that provides a breathing action, inducing corrosion processes, and the introduction of moisture into partially sealed test samples. This condition imposes a vapor pressure on the samples which constitutes the major force behind the moisture migration and penetration.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 31, Method III (omit Step 7a, 7b) with the following conditions:
2. Test Conditions:

a) Relative Humidity	:	90% to 95%
b) Temperature Conditions	:	25°C to 65°C
c) Cold Cycle	:	No
d) Polarizing Voltage	:	No
e) Mating Conditions	:	Mated
f) Mounting Conditions	:	Mounted
g) Duration	:	240 hours

PROCEDURE: –continued

3. All subsequent variable testing was performed in accordance with the procedures previously indicated.

4. Prior to performing variable measurements, the test samples were allowed to recover to room ambient conditions.

REQUIREMENTS:

1. There shall be no evidence of physical deterioration of the test samples as tested.

2. The final insulation resistance shall not be less than 1,000 megohms.

RESULTS:

1. The test samples as tested showed no evidence of physical deterioration.

2. All test samples as tested met the requirements as specified.

TEST RESULTS

SEQUENCE A

Group B1

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 20512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 2 pairs/type TECHNICIAN: MOB

START DATE: 11/12/07 COMPLETE DATE: 12/12/07

ROOM AMBIENT: 22°C RELATIVE HUMIDITY: 28%

EQUIPMENT ID#: 95, 321

DIELECTRIC WITHSTANDING VOLTAGE (SEA LEVEL)

PURPOSE:

To determine if the connectors can operate at its rated voltage and withstand momentary over potentials due to switching, surges and other similar phenomenon.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 20.

2. Test Conditions:

a)	Between Adjacent Contacts	: Yes
b)	Between Rows	: Yes
c)	Mated Condition	: Mated
d)	Mounting Condition	: Mounted
e)	Hold Time	: 60 Seconds
f)	Rate of Application	: 500 volts/sec.
g)	Test Voltage	: 900 VAC

3. The voltage was applied to specific test points on the board.

REQUIREMENTS:

When the specified test voltage is applied, there shall be no evidence of breakdown, arcing, etc.

RESULTS:

All test samples as tested met the requirements as specified.

TEST RESULTS

SEQUENCE A

Group B2

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 207512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 2 pairs/type TECHNICIAN: MOB

START DATE: 11/16/07 COMPLETE DATE: 12/19/07

ROOM AMBIENT: 22°C RELATIVE HUMIDITY: 21%

EQUIPMENT ID#: 192, 1314, 1315, 1339, 1361, 1457

THERMAL SHOCK

PURPOSE:

To determine the resistance of a given electrical connector to exposure at extremes of high and low temperatures and the shock of alternate exposures to these extremes, simulating the worst probable conditions of storage, transportation and application.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 32, with the following conditions:

2. Test Conditions:

a) Number of Cycles	:	100 Cycles
b) Hot Extreme	:	+85 +3°C/-0°C
c) Cold Extreme	:	-55 +0°C/-3°C
d) Time at Temperature	:	30 Minutes
e) Mating Conditions	:	Mated
f) Mounting Conditions	:	Mounted
g) Transfer Time	:	Instantaneous

3. The total number of cycles was performed continuously.

4. All subsequent variable testing was performed in accordance with the procedures as previously indicated.

5. Prior to performing variable measurements, the test samples were allowed to recover to room ambient conditions.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. When a 900 VAC test voltage is applied, there shall be no evidence of arcing, breakdown, etc.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. There was no evidence of arcing, breakdown, etc., when a 900 Vac voltage was applied.

3. All test samples as tested met the requirements as specified.

TEST RESULTS

SEQUENCE A

Group B3

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 207512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 2 pairs/type TECHNICIAN: MOB, S.Rath

START DATE: 11/20/07 COMPLETE DATE: 12/31/07

ROOM AMBIENT: 23°C RELATIVE HUMIDITY: 24%

EQUIPMENT ID#: 27, 1314, 1315, 1339, 1361

HUMIDITY (THERMAL CYCLING)

PURPOSE:

1. The purpose of this test is to permit evaluation of the properties of materials used in connectors as they are influenced or deteriorated by the effects of high humidity and heat conditions. Measurements made under high humidity conditions may reflect the peculiar conditions under which the readings were made, and should be compared only to initial readings when careful analysis indicates that such a comparison is valid and applicable.

2. This test obtains added effectiveness in employment of temperature cycling that provides a breathing action, inducing corrosion processes, and the introduction of moisture into partially sealed test samples. This condition imposes a vapor pressure on the samples which constitutes the major force behind the moisture migration and penetration.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 31 Method III (omit Step 7a,7b), with the following conditions:

-continued on next page.

PROCEDURE: –continued

2. Test Conditions:

a) Relative Humidity	:	90% to 95%
b) Temperature Conditions	:	25°C to 65°C
c) Cold Cycle	:	No
d) Polarizing Voltage	:	No
e) Mating Conditions	:	Mated
f) Mounting Conditions	:	Mounted
g) Duration	:	240 hours

3. The final dielectric withstanding voltage test was performed in accordance with EIA 364, Test Procedure 20 and the procedures as previously indicated.

4. The voltage was applied to specific test points on the board.

REQUIREMENTS:

1. There shall be no evidence of physical deterioration of the test samples as tested.

2. There shall be no evidence of arcing or breakdown when a 900 VAC test voltage is applied.

RESULTS:

1. The test samples as tested showed no evidence of physical deterioration.

2. There was no evidence of breakdown, arcing, etc., when a 900 VAC test voltage was applied.

3. All test samples as tested met the requirements as specified.

TEST RESULTS

SEQUENCE B

Group A

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 207512A SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 200 data points TECHNICIAN: MOB

START DATE: 11/7/07 COMPLETE DATE: 12/3/07

ROOM AMBIENT: 25°C RELATIVE HUMIDITY: 32%

EQUIPMENT ID#: 244, 280, 295, 558, 594, 601, 677, 1032, 1512

LOW LEVEL CIRCUIT RESISTANCE (LLCR)

PURPOSE:

1. To evaluate contact resistance characteristics of the contact systems under conditions where applied voltages and currents do not alter the physical contact interface and will detect oxides and films which degrade electrical stability. It is also sensitive to and may detect the presence of fretting corrosion induced by mechanical or thermal environments as well as any significant loss of contact pressure.

2. This attribute was monitored after each preconditioning and/or test exposure in order to determine said stability of the contact systems as they progress through the applicable test sequences.

3. The electrical stability of the system is determined by comparing the initial resistance value to that observed after a given test exposure. The difference is the change in resistance occurring whose magnitude establishes the stability of the interface being evaluated.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 23, with the following conditions:

2. Test Conditions:

   a) Test Current : 10 milliamps
   b) Open Circuit Voltage : 20 millivolts

REQUIREMENTS: See next page.

REQUIREMENTS:

Low level circuit resistance shall be measured and recorded.

RESULTS:

1. The following is a summary of the data observed:

2 All test samples as tested met the requirements as specified.

3. See data files 207512A01 through 207512A64 for individual data points.

PROJECT NO.: 207512A	SPECIFICATION: MPX-VT Test Plan
PART NO.: See page 4	PART DESCRIPTION: See page 4
SAMPLE SIZE: 63 samples	TECHNICIAN: MOB, S.Rath, JG, BE
START DATE: 11/12/07	COMPLETE DATE: 11/14/07
ROOM AMBIENT: 24°C	RELATIVE HUMIDITY: 30%
EQUIPMENT ID#: 1125, 1219	

DURABILITY

PURPOSE:

1. This is a preconditioning sequence which is used to induce the type of wear on the contacting surfaces which may occur under normal service conditions. The connectors are mated and unmated a predetermined number of cycles. Upon completion, the units being evaluated are exposed to the environments as specified to assess any impact on electrical stability resulting from wear or other wear dependent phenomenon.

2. This type or preconditioning sequence is also used to mechanically stress the connector system as would normally occur in actual service. This sequence in conjunction with other tests is used to determine if a significant loss of contact pressure occurs from said stresses which in turn, may result in an unstable electrical condition to exist.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 09.

2. Test Conditions:

   a) No. of Cycles : 100
   b) Rate : 500 cycles per hour

3. The test samples were fixtured to the top plate of an X, Y, Z floating table to assure axial alignment and allowed self centering movement to exit.

PROCEDURE: –continued

4. All subsequent variable testing was performed in accordance with the procedures previously indicated.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples so tested.

2. The change in low level circuit resistance shall not exceed +10.0 milliohms.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. All test samples as tested met the requirements as specified.

3. See data files 207512A01 through 207512A64 for individual data points.

PROJECT NO.: 207512A SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 63 samples TECHNICIAN: MOB

START DATE: 11/16/07 COMPLETE DATE: 11/20/07

ROOM AMBIENT: 22°C RELATIVE HUMIDITY: 21%

EQUIPMENT ID#: 192, 1314, 1315, 1361

THERMAL SHOCK

PURPOSE:

To determine the resistance of a given electrical connector to exposure at extremes of high and low temperatures and the shock of alternate exposures to these extremes, simulating the worst probable conditions of storage, transportation and application.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 32, with the following conditions:

2. Test Conditions:

   a) Number of Cycles : 100 Cycles
   b) Hot Extreme : +85°C +3°C/-0°C
   c) Cold Extreme : -55°C +0°C/-3°C
   d) Time at Temperature : 30 Minutes
   e) Mating Conditions : Mated
   f) Mounting Conditions : Mounted
   g) Transfer Time : Instantaneous

3. The total number of cycles were performed continuously.

4. All subsequent variable testing was performed in accordance with the procedures as previously indicated.

5. Prior to performing variable measurements, the test samples were allowed to recover to room ambient conditions.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. The change in low level circuit resistance shall not exceed +10.0 milliohms.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. All test samples as tested met the requirements as specified.

3. See data files 207512A01 through 207512A64 for individual data points.

PROJECT NO.: 207512A SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 63 samples TECHNICIAN: MOB

START DATE: 11/20/07 COMPLETE DATE: 11/30/07

ROOM AMBIENT: 24°C RELATIVE HUMIDITY: 29%

EQUIPMENT ID#: 27, 1125, 1219, 1239, 1314, 1315, 1361

HUMIDITY (THERMAL CYCLING)

PURPOSE:

To evaluate the impact on electrical stability of the contact system when exposed to any environment which may generate thermal/moisture type failure mechanisms such as:

a) Fretting corrosion due to wear resulting from micromotion, induced by thermal cycling. Humidity accelerates the oxidation process.

b) Oxidation of wear debris or from particulates from the surrounding atmosphere which may have become entrapped between the contacting surfaces.

c) Failure mechanisms resulting from a wet oxidation process.

PROCEDURE:

1. The test environment was performed in accordance with EIA 364, Test Procedure 31, with the following conditions:

2. Test Conditions:

a) Preconditioning (24 hours) : 50°C ± 5°C
b) Relative Humidity : 90% to 95%
c) Temperature Conditions : 25°C to 65°C
d) Cold Cycle : No
e) Polarizing Voltage : No
f) Mating Conditions : Mated
g) Mounting Conditions : Mounted
h) Duration : 240 hours

PROCEDURE: –continued

3. Prior to performing variable measurements, the test samples were allowed to recover to room ambient conditions.

4. All subsequent variable testing was performed in accordance with the procedures previously indicated.

REQUIREMENTS:

1. There shall be no evidence of physical deterioration of the test samples as tested.

2. The change in low level circuit resistance shall not exceed +10.0 milliohms.

RESULTS:

1. The test samples as tested showed no evidence of physical deterioration.

2. The following is a summary of the data observed:

3. See data files 207512A01 through 207512A64 for individual data points.

LLCR DATA FILES

DATA FILE NUMBERS

207512A01 THROUGH 207512A63

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A01	
Description: Signal B-A-1 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	24	
R.H. %	32	30	26	29	
Date:	07Nov07	14Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-1-3	10.98	-0.01	-0.33	-0.36	
B-A-1-4	8.81	0.01	-0.01	-0.02	
B-A-1-5	9.21	-0.40	-0.13	-0.15	
B-A-1-6	10.37	-0.17	-0.29	-0.30	
B-A-1-7	5.36	0.04	0.07	0.04	
B-A-1-8	6.97	0.13	0.01	-0.03	
B-A-1-9	5.79	-0.34	-0.42	-0.43	
B-A-1-10	7.40	-0.18	-0.34	-0.26	
B-A-1-11	5.64	0.02	-0.21	-0.14	
B-A-1-12	6.94	0.13	-0.05	0.11	
B-A-1-13	7.03	0.12	-0.15	-0.02	
B-A-1-14	5.31	-0.02	-0.18	-0.08	
B-A-1-15	7.18	-0.05	-0.25	-0.15	
B-A-1-16	5.35	-0.17	-0.31	-0.22	
B-A-1-17	7.19	-0.02	0.02	0.12	
B-A-1-18	7.35	-0.12	-0.26	-0.22	
B-A-1-19	5.55	0.04	0.02	0.05	
B-A-1-20	8.54	-0.04	-0.21	-0.20	
B-A-1-21	10.08	0.05	0.00	-0.02	
B-A-1-22	8.91	0.12	0.00	-0.06	
B-A-1-23	10.74	-0.11	-0.24	-0.33	
MAX	10.98	0.13	0.07	0.12	
MIN	5.31	-0.40	-0.42	-0.43	
AVG	7.65	-0.05	-0.16	-0.13	
STD	1.87	0.15	0.15	0.15	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	295	
	1032	558	558	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A02	
Description: Signal B-A-2 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-2-3	10.94	0.37	-0.30	-0.27	
B-A-2-4	8.75	-0.30	-0.15	-0.17	
B-A-2-5	8.65	0.08	-0.13	-0.11	
B-A-2-6	11.10	0.08	0.26	0.09	
B-A-2-7	5.75	-0.08	-0.15	-0.24	
B-A-2-8	6.99	0.44	-0.07	-0.05	
B-A-2-9	5.43	0.27	0.05	0.10	
B-A-2-10	7.23	0.47	-0.15	-0.10	
B-A-2-11	5.19	0.57	0.20	0.28	
B-A-2-12	7.37	0.19	-0.36	-0.24	
B-A-2-13	7.31	0.35	-0.33	-0.25	
B-A-2-14	5.55	0.48	-0.20	-0.16	
B-A-2-15	7.28	0.40	-0.13	-0.07	
B-A-2-16	5.50	0.31	-0.16	-0.11	
B-A-2-17	7.98	-0.20	-0.43	-0.56	
B-A-2-18	7.05	0.79	-0.04	-0.14	
B-A-2-19	5.63	0.75	-0.08	-0.17	
B-A-2-20	9.53	0.17	-0.42	-0.49	
B-A-2-21	10.70	0.90	-0.22	-0.21	
B-A-2-22	9.22	0.51	0.04	0.02	
B-A-2-23	10.85	0.50	0.14	0.08	
MAX	11.10	0.90	0.26	0.28	
MIN	5.19	-0.30	-0.43	-0.56	
AVG	7.81	0.34	-0.12	-0.13	
STD	1.99	0.31	0.19	0.19	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A03	
Description: Signal B-A-3 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-3-3	10.82	0.31	0.26	0.22	
B-3-4	8.75	0.04	-0.15	-0.15	
B-3-5	9.73	-0.44	-0.65	-0.78	
B-3-6	10.80	-0.08	0.01	-0.18	
B-3-7	5.54	-0.02	-0.17	-0.23	
B-3-8	7.07	0.00	-0.20	-0.21	
B-3-9	5.41	-0.01	-0.03	-0.08	
B-3-10	7.19	-0.07	-0.30	-0.20	
B-3-11	5.33	-0.04	-0.15	-0.25	
B-3-12	7.02	-0.03	-0.20	-0.18	
B-3-13	7.13	-0.01	-0.19	-0.21	
B-3-14	5.26	-0.03	-0.15	-0.12	
B-3-15	7.19	-0.10	-0.31	-0.33	
B-3-16	5.33	0.01	-0.20	-0.22	
B-3-17	7.21	0.04	-0.19	-0.26	
B-3-18	7.09	0.02	-0.29	-0.32	
B-3-19	5.95	-0.27	-0.36	-0.40	
B-3-20	9.52	0.04	-0.31	-0.46	
B-3-21	10.64	-0.10	-0.16	-0.23	
B-3-22	8.65	0.09	-0.19	-0.24	
B-3-23	10.83	0.02	-0.10	-0.14	
MAX	10.83	0.31	0.26	0.22	
MIN	5.26	-0.44	-0.65	-0.78	
AVG	7.74	-0.03	-0.19	-0.24	
STD	2.00	0.14	0.17	0.18	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A04	
Description: Signal B-A-4 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-4-3	10.70	0.04	0.02	0.06	
B-4-4	8.95	0.30	0.14	0.15	
B-4-5	9.38	0.05	-0.01	0.05	
B-4-6	11.05	-0.15	-0.14	-0.17	
B-4-7	5.42	-0.09	-0.20	-0.19	
B-4-8	7.37	-0.28	-0.40	-0.42	
B-4-9	5.47	-0.13	-0.18	-0.14	
B-4-10	7.52	-0.19	-0.34	-0.34	
B-4-11	5.27	-0.03	-0.11	-0.09	
B-4-12	7.14	0.16	0.02	0.02	
B-4-13	7.37	-0.32	-0.40	-0.40	
B-4-14	5.67	-0.25	-0.28	-0.21	
B-4-15	7.10	-0.05	-0.17	-0.16	
B-4-16	5.39	-0.30	-0.27	-0.27	
B-4-17	7.30	0.07	-0.12	-0.08	
B-4-18	7.09	-0.24	-0.34	-0.31	
B-4-19	5.51	0.01	-0.01	-0.02	
B-4-20	9.29	0.06	-0.17	-0.19	
B-4-21	11.13	-0.10	-0.03	-0.06	
B-4-22	8.67	0.13	-0.02	-0.03	
B-4-23	10.26	-0.16	-0.13	-0.19	
MAX	11.13	0.30	0.14	0.15	
MIN	5.27	-0.32	-0.40	-0.42	
AVG	7.76	-0.07	-0.15	-0.14	
STD	1.98	0.17	0.15	0.15	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A05	
Description: Signal B-A-5 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-5-3	10.82	-0.01	-0.12	0.04	
B-A-5-4	8.92	0.02	2.18	-0.19	
B-A-5-5	9.17	0.21	-0.17	-0.10	
B-A-5-6	10.75	-0.08	0.07	0.07	
B-A-5-7	5.52	-0.05	-0.19	-0.13	
B-A-5-8	7.50	-0.40	-0.53	-0.56	
B-A-5-9	5.55	-0.02	-0.15	-0.14	
B-A-5-10	7.49	0.01	-0.30	-0.02	
B-A-5-11	5.66	-0.21	-0.21	-0.17	
B-A-5-12	7.20	0.09	0.06	0.25	
B-A-5-13	7.43	-0.11	-0.13	-0.09	
B-A-5-14	5.65	-0.08	-0.14	-0.07	
B-A-5-15	7.25	-0.12	-0.12	-0.08	
B-A-5-16	5.23	0.29	0.00	0.10	
B-A-5-17	7.11	0.01	-0.12	0.04	
B-A-5-18	7.09	-0.11	-0.24	-0.14	
B-A-5-19	5.61	0.03	-0.15	-0.16	
B-A-5-20	9.14	-0.02	-0.08	0.07	
B-A-5-21	10.63	-0.04	-0.17	-0.19	
B-A-5-22	8.74	-0.15	-0.29	-0.15	
B-A-5-23	10.84	0.10	-0.12	-0.16	
MAX	10.84	0.29	2.18	0.25	
MIN	5.23	-0.40	-0.53	-0.56	
AVG	7.77	-0.03	-0.04	-0.08	
STD	1.92	0.14	0.53	0.16	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A06	
Description: Signal B-A-6 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-6-3	10.15	0.14	0.00	0.02	
B-A-6-4	8.38	0.00	-0.10	-0.08	
B-A-6-5	8.94	-0.37	-0.40	-0.36	
B-A-6-6	10.70	-0.18	-0.25	-0.14	
B-A-6-7	5.34	0.01	0.02	0.09	
B-A-6-8	7.09	-0.02	-0.15	-0.12	
B-A-6-9	5.81	-0.14	-0.39	-0.29	
B-A-6-10	7.08	0.00	-0.16	-0.09	
B-A-6-11	5.26	-0.05	-0.18	0.04	
B-A-6-12	7.06	-0.10	-0.25	-0.08	
B-A-6-13	7.05	-0.15	-0.25	-0.11	
B-A-6-14	5.30	-0.03	-0.09	0.00	
B-A-6-15	7.26	-0.28	-0.34	-0.17	
B-A-6-16	5.59	-0.23	-0.30	-0.24	
B-A-6-17	7.50	-0.24	-0.40	-0.36	
B-A-6-18	6.85	0.10	-0.04	0.11	
B-A-6-19	5.53	-0.01	-0.16	-0.09	
B-A-6-20	8.74	2.00	-0.08	-0.05	
B-A-6-21	10.82	-0.09	-0.18	-0.15	
B-A-6-22	9.01	0.01	-0.12	-0.07	
B-A-6-23	11.04	-0.15	-0.28	-1.58	
MAX	11.04	2.00	0.02	0.11	
MIN	5.26	-0.37	-0.40	-1.58	
AVG	7.64	0.01	-0.19	-0.18	
STD	1.91	0.47	0.13	0.35	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A07	
Description: Signal B-A-7 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-7-3	10.94	0.39	-0.30	-0.42	
B-A-7-4	9.28	-0.04	-0.60	-0.70	
B-A-7-5	9.71	0.11	-0.51	-0.66	
B-A-7-6	11.34	-0.04	-0.37	-0.56	
B-A-7-7	6.02	-0.13	-0.65	-0.74	
B-A-7-8	7.54	-0.25	-0.53	-0.68	
B-A-7-9	5.90	-0.28	-0.27	-0.42	
B-A-7-10	7.62	0.12	-0.19	-0.37	
B-A-7-11	5.81	-0.41	-0.35	-0.51	
B-A-7-12	7.43	0.40	-0.31	-0.42	
B-A-7-13	7.37	0.32	-0.24	-0.32	
B-A-7-14	5.63	0.51	-0.35	-0.44	
B-A-7-15	7.53	0.27	-0.33	-0.45	
B-A-7-16	5.99	0.15	-0.34	-0.42	
B-A-7-17	7.56	0.24	-0.36	-0.48	
B-A-7-18	7.43	0.32	0.09	-0.11	
B-A-7-19	5.66	0.26	0.14	-0.05	
B-A-7-20	9.42	0.72	-0.30	-0.35	
B-A-7-21	10.99	1.22	-0.18	-0.31	
B-A-7-22	8.86	1.02	-0.16	-0.14	
B-A-7-23	10.96	0.34	-0.53	-0.67	
MAX	11.34	1.22	0.14	-0.05	
MIN	5.63	-0.41	-0.65	-0.74	
AVG	8.05	0.25	-0.32	-0.44	
STD	1.94	0.40	0.20	0.19	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A08	
Description: Signal B-A-8 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-8-3	10.54	0.51	0.49	0.00	
B-A-8-4	8.89	0.17	0.63	-0.39	
B-A-8-5	9.16	0.75	0.42	-0.10	
B-A-8-6	10.95	0.29	0.26	-0.14	
B-A-8-7	5.41	0.35	0.58	-0.27	
B-A-8-8	6.96	0.23	0.39	0.18	
B-A-8-9	5.47	0.33	0.83	-0.18	
B-A-8-10	7.26	0.17	0.26	-0.12	
B-A-8-11	5.44	0.03	0.33	-0.17	
B-A-8-12	6.87	0.32	0.31	-0.02	
B-A-8-13	7.28	0.05	-0.03	-0.15	
B-A-8-14	5.25	0.13	0.34	-0.23	
B-A-8-15	7.14	0.19	0.02	-0.14	
B-A-8-16	5.27	0.07	0.21	-0.14	
B-A-8-17	7.05	0.22	0.32	-0.06	
B-A-8-18	6.85	0.09	0.06	-0.04	
B-A-8-19	5.76	-0.14	-0.08	-0.35	
B-A-8-20	9.14	0.60	0.76	0.21	
B-A-8-21	10.63	0.32	0.13	0.14	
B-A-8-22	8.75	0.22	-0.09	-0.28	
B-A-8-23	10.21	0.20	-0.09	-0.04	
MAX	10.95	0.75	0.83	0.21	
MIN	5.25	-0.14	-0.09	-0.39	
AVG	7.63	0.24	0.29	-0.11	
STD	1.93	0.20	0.27	0.16	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A09	
Description: Signal B-A-9 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-9-3	11.02	0.03	0.01	-0.02	
B-A-9-4	8.79	-0.06	-0.17	-0.19	
B-A-9-5	9.12	-0.17	-0.37	-0.22	
B-A-9-6	10.65	-0.05	-0.20	-0.16	
B-A-9-7	5.63	-0.01	-0.22	-0.25	
B-A-9-8	6.91	0.02	-0.01	0.16	
B-A-9-9	5.78	-0.08	-0.14	-0.20	
B-A-9-10	7.30	-0.08	-0.21	0.13	
B-A-9-11	5.79	-0.25	-0.38	-0.28	
B-A-9-12	7.15	-0.08	-0.20	0.01	
B-A-9-13	7.03	-0.07	-0.19	-0.09	
B-A-9-14	5.41	-0.07	-0.13	-0.03	
B-A-9-15	7.23	-0.15	-0.23	-0.13	
B-A-9-16	5.46	-0.08	-0.15	-0.14	
B-A-9-17	7.33	-0.24	-0.37	-0.38	
B-A-9-18	7.10	-0.21	-0.32	-0.32	
B-A-9-19	5.94	-0.32	-0.30	-0.30	
B-A-9-20	9.39	-0.44	-0.51	-0.37	
B-A-9-21	10.61	-0.18	-0.24	-0.18	
B-A-9-22	9.32	-0.07	-0.05	-0.19	
B-A-9-23	11.09	-0.11	-0.39	-0.34	
MAX	11.09	0.03	0.01	0.16	
MIN	5.41	-0.44	-0.51	-0.38	
AVG	7.81	-0.13	-0.23	-0.17	
STD	1.94	0.11	0.13	0.15	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A10	
Description: Signal B-A-10 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After Thermal	After	
			Shock	Humidity	
B-A-10-3	11.00	-0.33	-0.36	-0.49	
B-A-10-4	8.69	0.11	-0.05	-0.15	
B-A-10-5	8.96	0.20	-0.03	-0.12	
B-A-10-6	10.23	0.22	0.07	0.01	
B-A-10-7	5.30	0.06	-0.05	0.02	
B-A-10-8	7.22	-0.32	-0.39	-0.33	
B-A-10-9	5.66	-0.26	-0.27	-0.24	
B-A-10-10	7.42	-0.33	-0.46	-0.39	
B-A-10-11	5.46	-0.28	-0.32	-0.29	
B-A-10-12	7.23	-0.44	-0.53	0.15	
B-A-10-13	7.05	-0.06	-0.15	-0.07	
B-A-10-14	5.55	-0.35	-0.45	-0.35	
B-A-10-15	7.21	0.14	-0.01	0.14	
B-A-10-16	5.50	-0.11	-0.23	-0.15	
B-A-10-17	7.15	-0.11	-0.18	-0.24	
B-A-10-18	6.93	0.15	-0.09	-0.10	
B-A-10-19	5.61	-0.14	-0.23	-0.15	
B-A-10-20	9.23	0.02	-0.07	0.01	
B-A-10-21	10.21	-0.10	-0.16	-0.12	
B-A-10-22	9.05	-0.25	-0.20	-0.14	
B-A-10-23	10.88	-0.34	-0.34	-0.41	
MAX	11.00	0.22	0.07	0.15	
MIN	5.30	-0.44	-0.53	-0.49	
AVG	7.69	-0.12	-0.21	-0.16	
STD	1.89	0.21	0.17	0.17	
Open	0	0	0	0	
Tech	S.Rath	RJC	RJC	JG	
Equip ID	244	280	280	1512	
	1032	558	558	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #.207512A11	
Description: Power Only B-A-11 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	34	26	22	
Date:	07Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-11-1	0.23	0.02	0.02	0.01	
B-A-11-2	0.30	-0.02	-0.03	-0.08	
B-A-11-3	0.34	0.04	-0.06	-0.03	
B-A-11-4	0.33	0.13	-0.01	-0.01	
B-A-11-5	0.34	0.08	-0.05	-0.05	
B-A-11-6	0.28	0.04	0.02	0.00	
B-A-11-7	0.30	-0.03	0.00	-0.02	
B-A-11-8	0.27	-0.01	-0.02	-0.03	
MAX	0.34	0.13	0.02	0.01	
MIN	0.23	-0.03	-0.06	-0.08	
AVG	0.30	0.03	-0.02	-0.03	
STD	0.04	0.05	0.03	0.03	
Open	0	0	0	0	
Tech	S.Rath	RJC	JG	JG	
Equip ID	244	280	295	295	
	1032	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A12	
Description: Power Only B-A-12 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	34	26	22	
Date:	07Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-12-1	0.24	0.06	-0.01	0.02	
B-A-12-2	0.27	0.04	0.00	0.06	
B-A-12-3	0.40	-0.01	-0.09	0.00	
B-A-12-4	0.45	-0.15	-0.12	-0.06	
B-A-12-5	0.35	-0.08	-0.04	0.04	
B-A-12-6	0.31	-0.06	0.00	0.00	
B-A-12-7	0.29	0.01	0.00	0.04	
B-A-12-8	0.28	0.10	0.03	0.44	
MAX	0.45	0.10	0.03	0.44	
MIN	0.24	-0.15	-0.12	-0.06	
AVG	0.32	-0.01	-0.03	0.07	
STD	0.07	0.08	0.05	0.15	
Open	0	0	0	0	
Tech	S.Rath	RJC	JG	JG	
Equip ID	244	280	295	295	
	1032	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A13	
Description: Power Only B-A-13 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	30	26	22	
Date:	07Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-13-1	0.24	0.03	0.00	-0.01	
B-A-13-2	0.28	0.02	0.03	0.05	
B-A-13-3	0.31	0.02	0.07	0.05	
B-A-13-4	0.38	0.07	0.09	-0.04	
B-A-13-5	0.60	-0.12	-0.12	-0.26	
B-A-13-6	0.28	0.01	0.07	0.01	
B-A-13-7	0.30	0.01	0.03	-0.02	
B-A-13-8	0.27	0.02	-0.01	-0.01	
MAX	0.60	0.07	0.09	0.05	
MIN	0.24	-0.12	-0.12	-0.26	
AVG	0.33	0.01	0.02	-0.03	
STD	0.11	0.05	0.07	0.10	
Open	0	0	0	0	
Tech	S.Rath	RJC	JG	JG	
Equip ID	244	280	295	295	
	1032	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A14	
Description: Power Only B-A-14 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	24	24	23	
R.H. %	32	34	26	22	
Date:	07Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-14-1	0.25	-0.01	-0.02	-0.02	
B-A-14-2	0.29	-0.03	-0.01	-0.02	
B-A-14-3	0.33	0.01	0.04	-0.02	
B-A-14-4	0.32	0.05	-0.01	0.00	
B-A-14-5	0.45	0.01	-0.09	-0.03	
B-A-14-6	0.42	-0.07	-0.12	-0.09	
B-A-14-7	0.32	0.07	-0.03	-0.03	
B-A-14-8	0.36	-0.07	-0.04	-0.08	
MAX	0.45	0.07	0.04	0.00	
MIN	0.25	-0.07	-0.12	-0.09	
AVG	0.34	-0.01	-0.03	-0.04	
STD	0.07	0.05	0.05	0.03	
Open	0	0	0	0	
Tech	S.Rath	RJC	JG	JG	
Equip ID	244	280	295	295	
	1032	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A15	
Description: Power Only B-A-15 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-15-1	0.21	0.03	0.03	0.06	
B-A-15-2	0.26	-0.01	0.03	0.04	
B-A-15-3	0.39	0.04	0.07	-0.01	
B-A-15-4	0.29	0.02	0.11	0.04	
B-A-15-5	0.33	0.00	0.03	0.15	
B-A-15-6	0.28	0.04	0.12	0.04	
B-A-15-7	0.32	0.09	0.11	0.01	
B-A-15-8	0.29	-0.02	-0.01	-0.02	
MAX	0.39	0.09	0.12	0.15	
MIN	0.21	-0.02	-0.01	-0.02	
AVG	0.30	0.02	0.06	0.04	
STD	0.05	0.03	0.05	0.05	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A16	
Description: Power Only B-A-16 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-16-1	0.25	0.04	0.05	0.05	
B-A-16-2	0.38	0.02	0.12	-0.04	
B-A-16-3	0.31	0.07	0.11	0.01	
B-A-16-4	0.48	-0.03	0.05	-0.08	
B-A-16-5	0.30	0.09	0.09	0.04	
B-A-16-6	0.31	0.07	0.12	0.01	
B-A-16-7	0.28	-0.01	-0.02	0.01	
B-A-16-8	0.29	-0.04	-0.05	-0.03	
MAX	0.48	0.09	0.12	0.05	
MIN	0.25	-0.04	-0.05	-0.08	
AVG	0.32	0.03	0.06	0.00	
STD	0.07	0.05	0.07	0.04	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A17	
Description: Power Only B-A-17 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-17-1	0.24	0.02	0.05	0.01	
B-A-17-2	0.24	0.23	0.13	0.12	
B-A-17-3	0.29	0.15	0.15	0.13	
B-A-17-4	0.32	0.08	0.02	0.06	
B-A-17-5	0.30	0.00	0.00	0.03	
B-A-17-6	0.28	0.02	0.07	0.01	
B-A-17-7	0.30	0.02	0.06	0.00	
B-A-17-8	0.27	0.00	-0.04	0.01	
MAX	0.32	0.23	0.15	0.13	
MIN	0.24	0.00	-0.04	0.00	
AVG	0.28	0.06	0.05	0.04	
STD	0.03	0.08	0.06	0.05	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A18	
Description: Power Only B-A-18 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-18-1	0.25	-0.01	-0.02	0.01	
B-A-18-2	0.29	0.00	-0.02	0.03	
B-A-18-3	0.31	-0.03	-0.02	0.01	
B-A-18-4	0.35	-0.01	0.00	0.02	
B-A-18-5	0.30	0.04	0.07	0.05	
B-A-18-6	0.29	0.08	0.03	0.07	
B-A-18-7	0.30	0.04	-0.02	-0.04	
B-A-18-8	0.27	0.07	0.02	0.05	
MAX	0.35	0.08	0.07	0.07	
MIN	0.25	-0.03	-0.02	-0.04	
AVG	0.29	0.02	0.01	0.02	
STD	0.03	0.04	0.03	0.03	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A19	
Description: Power Only B-A-19 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-19-1	0.26	0.03	0.01	0.06	
B-A-19-2	0.30	0.01	0.00	0.08	
B-A-19-3	0.32	-0.01	0.06	0.07	
B-A-19-4	0.30	0.06	0.07	0.17	
B-A-19-5	0.34	0.09	-0.02	0.06	
B-A-19-6	0.32	0.09	0.05	0.03	
B-A-19-7	0.31	0.01	-0.02	0.00	
B-A-19-8	0.28	0.01	-0.04	-0.03	
MAX	0.25	0.09	0.07	0.17	
MIN	0.26	-0.01	-0.04	-0.03	
AVG	0.30	0.03	0.02	0.06	
STD	0.03	0.04	0.04	0.06	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A20	
Description: Power Only B-A-20 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-20-1	0.25	0.02	0.02	0.01	
B-A-20-2	0.31	0.05	-0.02	0.00	
B-A-20-3	0.34	-0.12	-0.03	-0.03	
B-A-20-4	0.32	-0.05	-0.02	-0.01	
B-A-20-5	0.38	-0.10	-0.09	-0.07	
B-A-20-6	0.34	0.00	-0.02	0.00	
B-A-20-7	0.29	0.06	-0.01	0.03	
B-A-20-8	0.29	0.02	-0.07	0.01	
MAX	0.38	0.06	0.02	0.03	
MIN	0.25	-0.12	-0.09	-0.07	
AVG	0.32	-0.01	-0.03	0.00	
STD	0.04	0.07	0.03	0.03	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	1512	
	558	558	1512	295	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A21	
Description: Power Only B-A-21 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-21-1	0.27	0.12	-0.02	0.06	
B-A-21-2	0.31	0.03	0.08	0.14	
B-A-21-3	0.32	0.03	0.11	0.02	
B-A-21-4	0.37	-0.09	0.02	-0.03	
B-A-21-5	0.32	-0.04	-0.02	-0.03	
B-A-21-6	0.26	-0.01	0.00	0.03	
B-A-21-7	0.29	-0.03	-0.04	-0.02	
B-A-21-8	0.26	0.09	-0.01	0.02	
MAX	0.37	0.12	0.11	0.14	
MIN	0.26	-0.09	-0.04	-0.03	
AVG	0.30	0.01	0.02	0.02	
STD	0.04	0.07	0.05	0.06	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A22	
Description: Power Only B-A-22 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-22-1	0.23	0.06	0.08	0.09	
B-A-22-2	0.22	0.04	0.03	0.05	
B-A-22-3	0.40	0.02	0.01	-0.09	
B-A-22-4	0.49	-0.06	-0.10	-0.16	
B-A-22-5	0.31	0.05	0.00	-0.02	
B-A-22-6	0.35	0.05	-0.01	-0.02	
B-A-22-7	0.28	0.13	0.08	0.06	
B-A-22-8	0.31	0.05	0.03	0.02	
MAX	0.49	0.13	0.08	0.09	
MIN	0.22	-0.06	-0.10	-0.16	
AVG	0.32	0.04	0.02	-0.01	
STD	0.09	0.05	0.06	0.08	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A23	
Description: Power Only B-A-23 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-23-1	0.23	0.05	0.08	0.05	
B-A-23-2	0.28	0.06	0.03	-0.01	
B-A-23-3	0.28	0.07	0.04	0.02	
B-A-23-4	0.30	0.11	0.06	0.03	
B-A-23-5	0.29	0.08	0.04	0.04	
B-A-23-6	0.27	0.06	0.06	0.06	
B-A-23-7	0.27	0.03	0.00	0.01	
B-A-23-8	0.23	0.06	0.03	0.06	
MAX	0.30	0.11	0.08	0.06	
MIN	0.23	0.03	0.00	-0.01	
AVG	0.27	0.07	0.04	0.03	
STD	0.03	0.02	0.03	0.02	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A24	
Description: Power Only B-A-24 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	14Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-24-1	0.64	-0.08	-0.19	-0.13	
B-A-24-2	0.77	0.16	0.15	0.10	
B-A-24-3	0.95	-0.14	0.67	3.17	
B-A-24-4	0.76	0.11	0.17	5.78	
B-A-24-5	0.80	-0.15	-0.35	0.04	
B-A-24-6	0.51	-0.16	-0.24	-0.14	
B-A-24-7	0.60	-0.07	0.22	0.05	
B-A-24-8	0.37	0.25	0.10	0.15	
MAX	0.95	0.25	0.67	5.78	
MIN	0.37	-0.16	-0.35	-0.14	
AVG	0.67	-0.01	0.07	1.13	
STD	0.18	0.16	0.32	2.18	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A25	
Description: Power Only B-A-25 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	25	25	24		
R.H. %	42	42	26		
Date:	15Nov07	15Nov07	20Nov07		
Pos. ID	Initial	100X	After		
			T-Shock		
B-A-25-1	0.27	0.02	-0.03		
B-A-25-2	0.44	0.01	-0.14		
B-A-25-3	0.46	0.06	-0.14		
B-A-25-4	0.42	-0.12	-0.13		
B-A-25-5	0.39	0.21	-0.02		
B-A-25-6	0.40	-0.04	-0.11		
B-A-25-7	0.30	0.03	-0.05		
B-A-25-8	0.43	0.39	0.39		
MAX	0.46	0.39	0.39		
MIN	0.27	-0.12	-0.14		
AVG	0.39	0.07	-0.03		
STD	0.07	0.16	0.18		
Open	0	0	0		
Tech	S.Rath	S.Rath	JG		
Equip ID	244	244	295		
	1032	1032	1512		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A26	
Description: Power Only B-A-26 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-26-1	0.31	-0.02	0.02	0.02	
B-A-26-2	0.41	0.23	0.18	0.05	
B-A-26-3	0.41	0.00	-0.06	-0.05	
B-A-26-4	0.28	0.04	0.01	0.12	
B-A-26-5	0.85	0.86	0.00	0.08	
B-A-26-6	0.42	0.01	-0.05	0.01	
B-A-26-7	0.56	-0.02	-0.02	0.94	
B-A-26-8	0.27	0.02	-0.03	-0.02	
MAX	0.85	0.86	0.18	0.94	
MIN	0.27	-0.02	-0.06	-0.05	
AVG	0.44	0.14	0.01	0.14	
STD	0.19	0.30	0.08	0.33	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A27	
Description: Power Only B-A-27 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-27-1	0.32	-0.01	-0.03	-0.05	
B-A-27-2	0.31	0.05	0.19	0.09	
B-A-27-3	0.39	-0.10	-0.02	0.00	
B-A-27-4	0.57	-0.16	0.04	0.06	
B-A-27-5	0.55	0.01	0.01	-0.06	
B-A-27-6	0.63	-0.09	-0.14	0.01	
B-A-27-7	0.69	-0.14	-0.06	-0.23	
B-A-27-8	0.31	-0.01	0.11	0.02	
MAX	0.69	0.05	0.19	0.09	
MIN	0.31	-0.16	-0.14	-0.23	
AVG	0.47	-0.06	0.01	-0.02	
STD	0.16	0.08	0.10	0.10	
Open	0	0	0.00	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A28	
Description: Power Only B-A-28 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-28-1	0.30	0.05	0.06	0.08	
B-A-28-2	0.62	0.35	0.11	0.01	
B-A-28-3	0.57	0.07	0.07	-0.21	
B-A-28-4	0.44	-0.02	-0.10	-0.08	
B-A-28-5	0.59	0.86	0.84	0.00	
B-A-28-6	0.49	-0.09	-0.06	0.12	
B-A-28-7	0.60	0.08	0.04	0.05	
B-A-28-8	0.30	0.07	-0.01	-0.02	
MAX	0.62	0.86	0.84	0.12	
MIN	0.30	-0.09	-0.10	-0.21	
AVG	0.49	0.17	0.12	-0.01	
STD	0.13	0.30	0.30	0.10	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A29	
Description: Power Only B-A-29 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-29-01	0.62	0.00	-0.22	-0.21	
B-A-29-02	0.65	-0.30	-0.36	-0.36	
B-A-29-24	0.65	0.32	-0.11	-0.13	
B-A-29-25	0.39	0.00	-0.07	-0.01	
MAX	0.65	0.32	-0.07	-0.01	
MIN	0.39	-0.30	-0.36	-0.36	
AVG	0.58	0.01	-0.19	-0.18	
STD	0.13	0.25	0.13	0.15	
Open	0	0	0.00	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A30	
Description: Power Only B-A-30 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-30-01	0.66	-0.11	-0.18	-0.21	
B-A-30-02	0.64	-0.02	-0.24	-0.24	
B-A-30-24	0.56	0.17	-0.13	-0.14	
B-A-30-25	0.74	-0.26	-0.36	-0.30	
MAX	0.74	0.17	-0.13	-0.14	
MIN	0.56	-0.26	-0.36	-0.30	
AVG	0.65	-0.05	-0.23	-0.22	
STD	0.08	0.18	0.10	0.07	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A31	
Description: Power Only B-A-31 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-31-01	0.35	-0.03	-0.09	0.02	
B-A-31-02	0.79	-0.41	-0.33	-0.11	
B-A-31-24	0.53	0.18	-0.12	-0.07	
B-A-31-25	0.49	-0.16	-0.21	-0.16	
MAX	0.79	0.18	-0.09	0.02	
MIN	0.35	-0.41	-0.33	-0.16	
AVG	0.54	-0.11	-0.19	-0.08	
STD	0.18	0.24	0.11	0.08	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A32	
Description: Power Only B-A-32 Rt angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	30	26	22	
Date:	08Nov07	14Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	After	
			T-Shock	Humidity	
B-A-32-01	0.48	0.00	-0.20	-0.09	
B-A-32-02	0.40	-0.05	-0.08	-0.06	
B-A-32-24	0.24	-0.02	-0.02	-0.04	
B-A-32-25	0.34	0.04	0.00	-0.06	
MAX	0.48	0.04	0.00	-0.04	
MIN	0.24	-0.05	-0.20	-0.09	
AVG	0.37	-0.01	-0.07	-0.07	
STD	0.10	0.04	0.09	0.02	
Open	0	0	0	0	
Tech	RJC	RJC	JG	JG	
Equip ID	280	280	295	295	
	558	558	1512	1512	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A33	
Description: Signal B-A-1 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-1-3	6.26	-0.07	-0.11	-0.29	
B-A-1-4	6.27	0.04	-0.02	-0.13	
B-A-1-5	5.93	0.39	-0.15	0.07	
B-A-1-6	5.86	0.16	0.03	0.14	
B-A-1-7	6.06	-0.17	-0.01	0.54	
B-A-1-8	6.14	0.07	0.02	0.02	
B-A-1-9	6.25	-0.09	0.00	0.02	
B-A-1-10	6.40	-0.23	0.05	-0.47	
B-A-1-11	6.31	0.24	0.13	-0.26	
B-A-1-12	6.56	0.00	0.00	-0.30	
B-A-1-13	6.10	0.61	-0.01	-0.05	
B-A-1-14	6.32	-0.26	-0.06	0.32	
B-A-1-15	6.07	0.06	-0.05	0.26	
B-A-1-16	5.89	0.12	-0.04	1.21	
B-A-1-17	6.28	-0.40	0.02	-0.09	
B-A-1-18	6.12	0.13	0.08	0.03	
B-A-1-19	6.73	-0.80	-0.14	-0.68	
B-A-1-20	6.04	0.83	0.08	-0.17	
B-A-1-21	6.08	0.09	0.05	-0.30	
B-A-1-22	6.17	0.44	0.17	-0.05	
B-A-1-23	6.04	0.00	-0.01	-0.04	
MAX	6.73	0.83	0.17	1.21	
MIN	5.86	-0.80	-0.15	-0.68	
AVG	6.18	0.06	0.00	-0.01	
STD	0.21	0.35	0.08	0.39	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A34	
Description: Signal B-A-2 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-2-3	6.12	0.00	0.03	0.00	
B-A-2-4	6.74	-0.10	-0.31	-0.18	
B-A-2-5	6.15	-0.02	-0.18	0.12	
B-A-2-6	6.30	0.01	-0.04	0.04	
B-A-2-7	6.37	0.01	-0.08	-0.30	
B-A-2-8	6.35	-0.17	-0.37	-0.10	
B-A-2-9	6.22	0.07	-0.11	-0.04	
B-A-2-10	5.98	0.14	0.12	0.17	
B-A-2-11	6.37	0.00	-1.31	-0.18	
B-A-2-12	5.98	0.14	0.06	0.07	
B-A-2-13	6.20	0.22	0.13	0.11	
B-A-2-14	6.15	0.17	0.12	0.13	
B-A-2-15	6.28	0.27	0.00	0.09	
B-A-2-16	6.09	0.15	-0.05	0.14	
B-A-2-17	6.37	0.01	-0.19	-0.07	
B-A-2-18	6.19	0.06	0.00	0.10	
B-A-2-19	6.13	0.06	-0.03	0.01	
B-A-2-20	5.92	0.01	-0.12	0.01	
B-A-2-21	5.95	0.17	-0.01	0.19	
B-A-2-22	6.22	0.04	0.05	0.00	
B-A-2-23	6.21	0.37	0.34	0.49	
MAX	6.74	0.37	0.34	0.49	
MIN	5.92	-0.17	-1.31	-0.30	
AVG	6.20	0.08	-0.09	0.04	
STD	0.19	0.12	0.32	0.16	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	558	
	677	558	955	280	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A35	
Description: Signal B-A-3 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	14Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-3-3	6.15	0.17	0.02	-0.05	
B-A-3-4	6.14	0.13	0.05	-0.10	
B-A-3-5	5.66	0.07	-0.09	-0.01	
B-A-3-6	5.71	0.10	0.09	0.05	
B-A-3-7	6.10	0.08	0.02	0.04	
B-A-3-8	6.08	-0.15	-0.30	-0.14	
B-A-3-9	5.89	-0.01	-0.04	-0.03	
B-A-3-10	6.21	-0.04	-0.15	-0.07	
B-A-3-11	5.73	-0.13	-0.22	-0.07	
B-A-3-12	5.98	-0.05	-0.15	-0.09	
B-A-3-13	6.01	0.06	-0.10	-0.02	
B-A-3-14	5.76	-0.03	-0.17	-0.01	
B-A-3-15	6.17	0.05	-0.14	0.14	
B-A-3-16	5.99	0.04	-0.11	0.01	
B-A-3-17	6.52	-0.17	-0.25	-0.34	
B-A-3-18	5.94	0.15	0.00	0.10	
B-A-3-19	5.97	0.22	0.18	0.11	
B-A-3-20	6.30	0.12	-0.03	0.18	
B-A-3-21	5.84	0.18	0.24	0.05	
B-A-3-22	6.26	0.04	0.19	0.15	
B-A-3-23	6.40	0.13	0.02	-0.18	
MAX	6.52	0.22	0.24	0.18	
MIN	5.66	-0.17	-0.30	-0.34	
AVG	6.04	0.05	-0.04	-0.01	
STD	0.23	0.11	0.14	0.12	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A36	
Description: Signal B-A-4 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	14Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-4-3	6.31	-0.11	-0.24	-0.31	
B-A-4-4	6.10	-0.09	0.07	0.09	
B-A-4-5	6.04	-0.14	0.00	0.22	
B-A-4-6	5.86	0.07	0.17	0.17	
B-A-4-7	6.09	0.34	0.19	0.12	
B-A-4-8	5.95	-0.13	-0.09	-0.02	
B-A-4-9	5.97	-0.08	-0.09	-0.14	
B-A-4-10	6.28	0.03	0.02	0.01	
B-A-4-11	6.14	-0.12	-0.22	-0.24	
B-A-4-12	6.17	-0.09	-0.08	-0.03	
B-A-4-13	6.52	-0.25	-0.18	0.01	
B-A-4-14	6.17	0.13	-0.09	-0.05	
B-A-4-15	6.60	-0.02	-0.24	-0.16	
B-A-4-16	6.56	0.04	0.00	0.02	
B-A-4-17	6.50	0.05	0.10	0.10	
B-A-4-18	6.11	0.09	-0.11	-0.03	
B-A-4-19	6.32	-0.16	-0.25	-0.23	
B-A-4-20	6.20	0.17	-0.16	-0.10	
B-A-4-21	6.55	-0.08	-0.13	-0.16	
B-A-4-22	6.49	-0.05	0.01	0.00	
B-A-4-23	6.39	-0.10	0.11	-0.01	
MAX	6.60	0.34	0.19	0.22	
MIN	5.86	-0.25	-0.25	-0.31	
AVG	6.25	-0.02	-0.06	-0.04	
STD	0.22	0.13	0.13	0.14	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A37	
Description: Signal B-A-5 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-5-3	6.27	0.07	0.05	-0.08	
B-A-5-4	6.35	-0.11	-0.11	-0.14	
B-A-5-5	6.46	-0.13	-0.40	-0.48	
B-A-5-6	6.22	-0.04	0.11	-0.01	
B-A-5-7	6.68	0.11	-0.61	-0.44	
B-A-5-8	6.44	0.04	-0.34	-0.34	
B-A-5-9	6.68	-0.10	-0.22	-0.28	
B-A-5-10	6.20	-0.16	-0.22	-0.21	
B-A-5-11	6.36	-0.22	-0.35	-0.28	
B-A-5-12	6.72	-0.18	-0.32	-0.30	
B-A-5-13	6.66	-0.13	-0.28	-0.30	
B-A-5-14	6.61	0.03	-0.23	-0.15	
B-A-5-15	6.71	-0.27	-0.37	-0.35	
B-A-5-16	6.30	-0.15	-0.21	-0.15	
B-A-5-17	6.39	-0.19	-0.22	-0.20	
B-A-5-18	6.29	-0.08	-0.15	-0.04	
B-A-5-19	6.92	-0.37	-0.42	-0.34	
B-A-5-20	6.43	-0.33	-0.20	-0.17	
B-A-5-21	6.36	-0.22	0.02	-0.01	
B-A-5-22	6.45	-0.01	0.12	0.10	
B-A-5-23	6.80	-0.32	-0.27	-0.36	
MAX	6.92	0.11	0.12	0.10	
MIN	6.20	-0.37	-0.61	-0.48	
AVG	6.49	-0.13	-0.22	-0.21	
STD	0.21	0.13	0.18	0.15	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A38	
Description: Signal B-A-6 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-6-3	6.22	-0.06	-0.08	-0.19	
B-A-6-4	6.19	0.05	0.01	0.13	
B-A-6-5	5.91	-0.18	-0.16	-0.08	
B-A-6-6	5.94	-0.13	-0.05	-0.07	
B-A-6-7	6.56	-0.17	-0.26	-0.19	
B-A-6-8	6.03	-0.15	0.00	-0.02	
B-A-6-9	5.72	0.02	0.10	0.01	
B-A-6-10	6.02	0.00	0.06	0.09	
B-A-6-11	5.62	-0.06	-0.01	-0.11	
B-A-6-12	5.94	-0.10	-0.20	-0.19	
B-A-6-13	5.97	-0.08	-0.19	-0.03	
B-A-6-14	5.95	-0.20	-0.15	-0.20	
B-A-6-15	6.37	-0.15	-0.17	-0.14	
B-A-6-16	6.10	0.07	-0.02	0.04	
B-A-6-17	6.53	-0.14	-0.27	-0.17	
B-A-6-18	6.01	0.19	-0.02	-0.03	
B-A-6-19	6.07	0.03	0.11	0.06	
B-A-6-20	5.92	0.05	0.02	0.01	
B-A-6-21	5.85	0.19	0.11	0.17	
B-A-6-22	6.23	-0.05	-0.05	-0.05	
B-A-6-23	6.15	-0.08	-0.04	-0.06	
MAX	6.56	0.19	0.11	0.17	
MIN	5.62	-0.20	-0.27	-0.20	
AVG	6.06	-0.05	-0.06	-0.05	
STD	0.23	0.11	0.12	0.11	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A39	
Description: Signal B-A-7 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-7-3	6.24	-0.13	-0.12	-0.10	
B-A-7-4	6.49	-0.11	-0.06	-0.04	
B-A-7-5	5.92	0.05	-0.04	0.08	
B-A-7-6	6.14	-0.10	-0.19	-0.15	
B-A-7-7	5.94	0.17	-0.08	-0.06	
B-A-7-8	6.14	0.04	0.03	0.06	
B-A-7-9	6.02	0.01	-0.15	-0.06	
B-A-7-10	6.39	0.01	-0.11	-0.02	
B-A-7-11	6.16	0.01	-0.11	-0.08	
B-A-7-12	6.02	0.16	0.08	0.25	
B-A-7-13	6.13	0.03	-0.05	0.02	
B-A-7-14	6.19	-0.06	0.02	-0.04	
B-A-7-15	6.28	0.02	-0.09	-0.02	
B-A-7-16	6.09	-0.03	-0.16	-0.04	
B-A-7-17	6.30	0.20	0.13	0.83	
B-A-7-18	5.99	0.01	-0.09	0.10	
B-A-7-19	6.56	0.22	0.20	0.62	
B-A-7-20	5.87	0.01	-0.06	-0.01	
B-A-7-21	6.00	-0.08	0.04	-0.03	
B-A-7-22	6.15	0.09	0.07	0.58	
B-A-7-23	5.98	-0.03	-0.09	-0.04	
MAX	6.56	0.22	0.20	0.83	
MIN	5.87	-0.13	-0.19	-0.15	
AVG	6.14	0.02	-0.04	0.09	
STD	0.18	0.10	0.10	0.26	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A40	
Description: Signal B-A-8 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	14Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-8-3	6.04	0.46	0.25	1.73	
B-A-8-4	6.51	0.10	-0.17	-0.13	
B-A-8-5	5.82	0.25	-0.06	0.07	
B-A-8-6	5.97	0.34	0.04	-0.13	
B-A-8-7	6.09	0.20	-0.03	0.16	
B-A-8-8	6.19	0.22	-0.16	-0.04	
B-A-8-9	6.23	0.23	-0.06	0.66	
B-A-8-10	6.90	-0.28	-0.34	-0.84	
B-A-8-11	5.93	0.19	0.06	-0.02	
B-A-8-12	6.27	0.42	-0.19	-0.02	
B-A-8-13	6.57	-0.04	-0.47	-0.25	
B-A-8-14	6.38	0.10	-0.03	-0.30	
B-A-8-15	6.63	0.31	-0.08	-0.18	
B-A-8-16	6.02	0.02	-0.23	-0.22	
B-A-8-17	6.46	0.40	0.05	0.16	
B-A-8-18	5.73	0.78	0.13	0.04	
B-A-8-19	6.62	0.33	-0.06	0.43	
B-A-8-20	5.90	0.28	0.19	0.14	
B-A-8-21	5.91	0.12	0.12	-0.02	
B-A-8-22	6.08	0.44	0.24	0.10	
B-A-8-23	6.19	0.02	0.26	0.06	
MAX	6.90	0.78	0.26	1.73	
MIN	5.73	-0.28	-0.47	-0.84	
AVG	6.21	0.23	-0.03	0.07	
STD	0.31	0.22	0.19	0.48	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	954	244	
	677	558	955	1032	

		Low Level Contact Resistance				
Project:207512A					Spec: EIA 364, TP 23	
Customer: Samtec					Subgroup: Seq. B	
Product: Series MPTC/MPSC connector					File #:207512A41	
Description: Signal B-A-9 Vertical						
Open circuit voltage:		20mv			Current:	10ma
			Delta values			
			units: milliohms			
Temp ºC	24	24	24	22		
R.H. %	30	26	26	23		
Date:	08Nov07	12Nov07	20Nov07	30Nov07		
Pos. ID	Initial	After 100X	T-shock	Humidity		
B-A-9-3	6.01	0.37	0.14	0.09		
B-A-9-4	6.36	-0.15	-0.22	-0.13		
B-A-9-5	5.92	0.32	-0.06	0.02		
B-A-9-6	6.04	-0.10	-0.17	-0.13		
B-A-9-7	5.87	-0.05	-0.04	-0.08		
B-A-9-8	6.40	-0.20	-0.24	-0.18		
B-A-9-9	5.96	-0.03	-0.06	-0.11		
B-A-9-10	6.20	-0.08	-0.14	-0.14		
B-A-9-11	5.89	-0.10	-0.12	-0.03		
B-A-9-12	6.14	-0.20	-0.11	-0.06		
B-A-9-13	6.23	-0.16	-0.21	-0.12		
B-A-9-14	6.05	-0.02	-0.04	-0.08		
B-A-9-15	6.04	-0.09	-0.23	-0.08		
B-A-9-16	5.94	-0.12	-0.15	-0.08		
B-A-9-17	6.34	-0.16	-0.45	-0.23		
B-A-9-18	6.35	-0.25	-0.29	-0.05		
B-A-9-19	6.41	-0.18	-0.27	-0.28		
B-A-9-20	6.32	-0.11	-0.24	0.04		
B-A-9-21	6.09	0.16	-0.01	-0.09		
B-A-9-22	6.14	0.27	-0.04	0.14		
B-A-9-23	6.20	-0.04	-0.07	0.02		
MAX	6.41	0.37	0.14	0.14		
MIN	5.87	-0.25	-0.45	-0.28		
AVG	6.14	-0.04	-0.14	-0.07		
STD	0.18	0.18	0.13	0.10		
Open	0	0	0	0		
Tech	BE	RJC	S-R	S.Rath		
Equip ID	601	280	594	244		
	677	558	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPTC/MPSC connector				File #:207512A42	
Description: Signal B-A-10 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	22	
R.H. %	30	34	26	23	
Date:	08Nov07	14Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	T-Shock	Humidity	
B-A-10-3	6.25	0.03	0.03	-0.08	
B-A-10-4	6.29	-0.11	-0.04	-0.12	
B-A-10-5	6.14	-0.12	-0.04	-0.09	
B-A-10-6	6.05	-0.02	-0.01	-0.07	
B-A-10-7	6.17	0.09	-0.15	-0.15	
B-A-10-8	6.40	-0.05	-0.15	0.27	
B-A-10-9	6.41	0.09	-0.16	-0.17	
B-A-10-10	6.62	-0.27	-0.54	-0.42	
B-A-10-11	6.16	0.03	0.01	-0.03	
B-A-10-12	6.03	0.06	-0.01	0.00	
B-A-10-13	6.88	-0.40	-0.47	-0.33	
B-A-10-14	6.29	0.06	-0.11	-0.15	
B-A-10-15	6.26	-0.05	-0.04	0.55	
B-A-10-16	5.86	0.11	-0.04	-0.01	
B-A-10-17	6.38	-0.13	-0.03	-0.01	
B-A-10-18	5.80	0.02	-0.06	-0.11	
B-A-10-19	6.30	-0.07	-0.19	-0.23	
B-A-10-20	6.56	-0.11	-0.23	-0.18	
B-A-10-21	6.31	-0.03	-0.05	-0.11	
B-A-10-22	6.50	0.12	0.01	0.05	
B-A-10-23	6.30	0.08	-0.07	-0.19	
MAX	6.88	0.12	0.03	0.55	
MIN	5.80	-0.40	-0.54	-0.42	
AVG	6.28	-0.03	-0.11	-0.07	
STD	0.25	0.13	0.15	0.20	
Open	0	0	0	0	
Tech	BE	RJC	S-R	S.Rath	
Equip ID	601	280	594	244	
	677	558	955	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A44	
Description: Power only B-A-11 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	26	26	29	
Date:	08Nov07	12Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-11-1	0.27	0.02	0.01	0.11	
B-A-11-2	0.27	-0.01	-0.02	0.02	
B-A-11-3	0.34	0.04	-0.03	-0.02	
B-A-11-4	0.35	-0.07	-0.04	-0.03	
B-A-11-5	0.38	-0.05	-0.09	-0.07	
B-A-11-6	0.29	-0.01	-0.03	0.01	
B-A-11-7	0.27	0.04	0.00	0.01	
B-A-11-8	0.25	0.03	0.00	0.00	
MAX	0.38	0.04	0.01	0.11	
MIN	0.25	-0.07	-0.09	-0.07	
AVG	0.30	0.00	-0.02	0.00	
STD	0.05	0.04	0.03	0.05	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A45	
Description: Power Only B-A-12 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	26	26	29	
Date:	08Nov07	12Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-12-1	0.33	0.01	-0.06	-0.04	
B-A-12-2	0.31	0.00	-0.02	0.01	
B-A-12-3	0.34	0.00	-0.04	-0.03	
B-A-12-4	0.31	-0.01	-0.05	0.01	
B-A-12-5	0.36	-0.04	-0.07	-0.03	
B-A-12-6	0.32	0.03	0.01	-0.02	
B-A-12-7	0.31	-0.01	-0.01	-0.02	
B-A-12-8	0.31	0.02	0.02	0.02	
MAX	0.36	0.03	0.02	0.02	
MIN	0.31	-0.04	-0.07	-0.04	
AVG	0.32	0.00	-0.03	-0.01	
STD	0.02	0.02	0.03	0.02	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A46	
Description: Power Only B-A-13 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	26	26	22	
Date:	08Nov07	12Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-13-1	0.30	-0.03	-0.06	0.05	
B-A-13-2	0.28	0.05	0.02	0.00	
B-A-13-3	0.28	0.02	0.03	0.01	
B-A-13-4	0.29	0.01	-0.03	-0.01	
B-A-13-5	0.30	0.07	0.07	0.06	
B-A-13-6	0.24	0.05	0.04	0.06	
B-A-13-7	0.27	0.03	-0.02	-0.03	
B-A-13-8	0.27	0.02	0.00	-0.01	
MAX	0.30	0.07	0.07	0.06	
MIN	0.24	-0.03	-0.06	-0.03	
AVG	0.28	0.03	0.01	0.02	
STD	0.02	0.03	0.04	0.04	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A47	
Description: Power Only B-A-14 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	26	26	22	
Date:	08Nov07	12Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-14-1	0.31	-0.01	-0.06	-0.05	
B-A-14-2	0.30	0.04	-0.03	-0.01	
B-A-14-3	0.33	-0.05	-0.05	-0.06	
B-A-14-4	0.43	-0.10	-0.13	-0.12	
B-A-14-5	0.32	-0.03	0.02	0.02	
B-A-14-6	0.30	0.01	-0.04	-0.01	
B-A-14-7	0.36	-0.05	-0.08	-0.10	
B-A-14-8	0.26	0.01	-0.02	-0.01	
MAX	0.43	0.04	0.02	0.02	
MIN	0.26	-0.10	-0.13	-0.12	
AVG	0.33	-0.02	-0.05	-0.04	
STD	0.05	0.04	0.04	0.05	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A48	
Description: Power Only B-A-15 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	26	26	29	
Date:	08Nov07	12Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-15-1	0.25	-0.02	-0.04	-0.02	
B-A-15-2	0.32	-0.06	-0.08	-0.05	
B-A-15-3	0.32	-0.01	-0.05	-0.03	
B-A-15-4	0.34	0.02	-0.02	-0.03	
B-A-15-5	0.31	0.00	0.01	0.00	
B-A-15-6	0.32	0.00	-0.02	-0.06	
B-A-15-7	0.27	0.03	0.02	-0.01	
B-A-15-8	0.23	0.03	0.02	0.01	
MAX	0.34	0.03	0.02	0.01	
MIN	0.23	-0.06	-0.08	-0.06	
AVG	0.29	0.00	-0.02	-0.02	
STD	0.04	0.03	0.04	0.02	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A49	
Description: Power Only B-A-16 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	26	26	22	
Date:	08Nov07	12Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-16-1	0.28	-0.04	-0.02	-0.04	
B-A-16-2	0.28	0.05	0.08	0.00	
B-A-16-3	0.35	-0.08	-0.07	-0.07	
B-A-16-4	0.39	-0.03	-0.05	-0.10	
B-A-16-5	0.36	-0.03	0.01	-0.06	
B-A-16-6	0.34	-0.08	-0.08	-0.06	
B-A-16-7	0.39	-0.07	-0.08	-0.12	
B-A-16-8	0.28	-0.03	-0.04	-0.03	
MAX	0.39	0.05	0.08	0.00	
MIN	0.28	-0.08	-0.08	-0.12	
AVG	0.33	-0.04	-0.03	-0.06	
STD	0.05	0.04	0.05	0.04	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A50	
Description: Power Only B-A-17 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-17-1	0.25	0.02	0.00	0.02	
B-A-17-2	0.28	0.05	-0.02	0.02	
B-A-17-3	0.32	0.02	-0.01	-0.03	
B-A-17-4	0.36	0.10	-0.07	-0.03	
B-A-17-5	0.29	0.11	0.03	0.06	
B-A-17-6	0.28	0.01	-0.02	0.00	
B-A-17-7	0.29	-0.01	0.00	0.02	
B-A-17-8	0.29	-0.03	-0.03	-0.03	
MAX	0.36	0.11	0.03	0.06	
MIN	0.25	-0.03	-0.07	-0.03	
AVG	0.29	0.03	-0.02	0.00	
STD	0.03	0.05	0.03	0.03	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A51	
Description: Power Only B-A-18 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-18-1	0.25	0.02	0.01	0.01	
B-A-18-2	0.27	0.00	-0.10	0.01	
B-A-18-3	0.36	0.00	-0.03	-0.02	
B-A-18-4	0.33	0.02	-0.01	-0.02	
B-A-18-5	0.37	-0.04	-0.06	-0.01	
B-A-18-6	0.29	0.02	-0.01	0.02	
B-A-18-7	0.29	-0.06	-0.03	-0.03	
B-A-18-8	0.27	0.02	0.09	-0.01	
MAX	0.37	0.02	0.09	0.02	
MIN	0.25	-0.06	-0.10	-0.03	
AVG	0.30	0.00	-0.02	-0.01	
STD	0.04	0.03	0.05	0.02	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A54	
Description: Power Only B-A-19 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-19-1	0.29	-0.01	-0.01	0.01	
B-A-19-2	0.26	-0.05	-0.01	0.05	
B-A-19-3	0.42	-0.04	0.04	-0.06	
B-A-19-4	0.31	0.01	-0.01	0.04	
B-A-19-5	0.35	0.05	-0.05	0.04	
B-A-19-6	0.28	0.07	0.02	0.25	
B-A-19-7	0.30	0.00	-0.03	0.04	
B-A-19-8	0.29	0.01	-0.04	0.00	
MAX	0.42	0.07	0.04	0.25	
MIN	0.26	-0.05	-0.05	-0.06	
AVG	0.31	0.00	-0.01	0.05	
STD	0.05	0.04	0.03	0.09	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A53	
Description: Power Only B-A-20 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-20-1	0.23	0.04	0.03	0.05	
B-A-20-2	0.27	0.08	0.03	0.02	
B-A-20-3	0.28	0.10	0.09	0.00	
B-A-20-4	0.38	0.02	-0.05	-0.09	
B-A-20-5	0.27	0.09	0.00	0.00	
B-A-20-6	0.23	0.06	-0.01	-0.01	
B-A-20-7	0.26	0.01	-0.01	-0.01	
B-A-20-8	0.23	0.04	0.03	0.02	
MAX	0.38	0.10	0.09	0.05	
MIN	0.23	0.01	-0.05	-0.09	
AVG	0.27	0.05	0.01	0.00	
STD	0.05	0.03	0.04	0.04	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A52	
Description: Power Only B-A-21 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	26	26	29	
Date:	08Nov07	12Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-21-1	0.29	-0.03	0.00	0.03	
B-A-21-2	0.24	-0.01	-0.03	0.00	
B-A-21-3	0.28	0.03	-0.01	0.01	
B-A-21-4	0.35	0.00	-0.02	-0.03	
B-A-21-5	0.32	0.03	-0.03	-0.03	
B-A-21-6	0.32	0.04	0.02	0.02	
B-A-21-7	0.30	0.03	0.03	0.03	
B-A-21-8	0.30	0.02	0.03	-0.03	
MAX	0.35	0.04	0.03	0.03	
MIN	0.24	-0.03	-0.03	-0.03	
AVG	0.30	0.01	0.00	0.00	
STD	0.03	0.02	0.03	0.03	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A55	
Description: Power Only B-A-22 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-22-1	0.25	-0.01	-0.04	-0.04	
B-A-22-2	0.25	0.00	-0.02	0.01	
B-A-22-3	0.34	-0.02	-0.04	-0.03	
B-A-22-4	0.27	0.01	-0.03	0.01	
B-A-22-5	0.38	-0.06	-0.09	-0.06	
B-A-22-6	0.38	-0.06	-0.10	-0.07	
B-A-22-7	0.32	0.06	0.04	0.00	
B-A-22-8	0.28	0.03	0.03	-0.01	
MAX	0.38	0.06	0.04	0.01	
MIN	0.25	-0.06	-0.10	-0.07	
AVG	0.31	-0.01	-0.03	-0.02	
STD	0.05	0.04	0.05	0.03	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A56	
Description: Power Only B-A-23 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-23-1	0.25	-0.04	-0.06	-0.02	
B-A-23-2	0.29	0.00	-0.03	0.00	
B-A-23-3	0.33	0.01	-0.05	-0.01	
B-A-23-4	0.30	0.02	-0.06	-0.05	
B-A-23-5	0.32	0.01	-0.04	0.06	
B-A-23-6	0.27	0.05	0.04	0.07	
B-A-23-7	0.27	0.00	-0.04	-0.01	
B-A-23-8	0.24	0.00	-0.03	0.03	
MAX	0.33	0.05	0.04	0.07	
MIN	0.24	-0.04	-0.06	-0.05	
AVG	0.28	0.01	-0.03	0.01	
STD	0.03	0.02	0.03	0.04	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A57	
Description: Power Only B-A-25 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	23	
R.H. %	30	34	26	22	
Date:	08Nov07	13Nov07	20Nov07	03Dec07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-24-1	0.27	0.02	-0.02	0.00	
B-A-24-2	0.27	0.02	0.01	-0.02	
B-A-24-3	0.31	-0.04	-0.03	-0.04	
B-A-24-4	0.34	0.02	-0.01	0.03	
B-A-24-5	0.28	0.01	0.02	0.01	
B-A-24-6	0.24	0.01	0.03	0.01	
B-A-24-7	0.27	-0.01	-0.03	-0.03	
B-A-24-8	0.24	0.04	0.01	0.00	
MAX	0.34	0.04	0.03	0.03	
MIN	0.24	-0.04	-0.03	-0.04	
AVG	0.28	0.01	0.00	0.00	
STD	0.03	0.02	0.02	0.02	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A58	
Description: Power Only B-A-25 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-25-1	0.27	0.04	0.04	0.01	
B-A-25-2	0.34	0.02	0.03	-0.05	
B-A-25-3	0.31	0.01	0.05	0.00	
B-A-25-4	0.32	0.03	-0.04	-0.03	
B-A-25-5	0.35	0.02	-0.02	-0.02	
B-A-25-6	0.29	0.04	0.00	-0.01	
B-A-25-7	0.30	0.01	-0.04	-0.03	
B-A-25-8	0.29	0.02	0.03	0.06	
MAX	0.35	0.04	0.05	0.06	
MIN	0.27	0.01	-0.04	-0.05	
AVG	0.31	0.02	0.00	-0.01	
STD	0.03	0.01	0.04	0.03	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A59	
Description: Power Only B-A-26 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	26	26	29	
Date:	08Nov07	12Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After Thermal	Humidity	
			Shock		
B-A-26-1	0.27	0.04	0.06	0.04	
B-A-26-2	0.32	-0.05	-0.03	-0.03	
B-A-26-3	0.31	-0.04	0.03	-0.03	
B-A-26-4	0.37	-0.03	-0.01	-0.08	
B-A-26-5	0.32	0.02	0.01	-0.03	
B-A-26-6	0.26	0.05	0.06	0.06	
B-A-26-7	0.26	0.01	0.02	0.06	
B-A-26-8	0.31	-0.01	-0.02	-0.03	
MAX	0.37	0.05	0.06	0.06	
MIN	0.26	-0.05	-0.03	-0.08	
AVG	0.30	0.00	0.02	0.00	
STD	0.04	0.03	0.03	0.05	
Open	0	0	0	0	
Tech	BE	RJC	RJC	BE	
Equip ID	601	280	280	601	
	677	558	558	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A60	
Description: Power Only B-A-27 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After Thermal	Humidity	
			Shock		
B-A-27-1	0.28	0.02	0.03	0.03	
B-A-27-2	0.27	0.03	0.09	0.01	
B-A-27-3	0.33	0.02	0.02	-0.02	
B-A-27-4	0.34	0.06	0.09	-0.02	
B-A-27-5	0.33	0.02	0.08	0.00	
B-A-27-6	0.39	-0.10	-0.05	-0.10	
B-A-27-7	0.31	0.10	0.16	0.10	
B-A-27-8	0.35	0.03	0.01	-0.05	
MAX	0.39	0.10	0.16	0.10	
MIN	0.27	-0.10	-0.05	-0.10	
AVG	0.32	0.02	0.05	-0.01	
STD	0.04	0.06	0.06	0.06	
Open	0	0	0	0	
Tech	BE	RJC	RJC	BE	
Equip ID	601	280	280	601	
	677	558	558	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A61	
Description: Power Only B-A-28 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	34	34	26	29	
Date:	13Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After Thermal	Humidity	
			Shock		
B-A-28-1	0.48	-0.12	-0.12	0.03	
B-A-28-2	0.48	-0.15	-0.16	-0.07	
B-A-28-3	0.34	-0.05	-0.05	0.03	
B-A-28-4	0.47	-0.01	-0.14	-0.08	
B-A-28-5	0.46	0.20	0.33	0.37	
B-A-28-6	0.35	0.03	-0.01	0.11	
B-A-28-7	0.31	-0.03	-0.02	0.09	
B-A-28-8	0.52	-0.03	0.14	0.27	
MAX	0.52	0.20	0.33	0.37	
MIN	0.31	-0.15	-0.16	-0.08	
AVG	0.42	-0.02	-0.01	0.09	
STD	0.08	0.11	0.16	0.16	
Open	0	0	0	0	
Tech	RJC	RJC	RJC	BE	
Equip ID	280	280	280	601	
	558	558	558	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A62	
Description: Power Only B-A-29 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-29-1	0.26	0.03	-0.04	-0.01	
B-A-29-2	0.34	0.11	0.15	0.02	
B-A-29-3	0.33	0.01	-0.01	0.06	
B-A-29-4	0.42	0.01	-0.02	-0.06	
B-A-29-5	0.41	-0.05	-0.06	-0.06	
B-A-29-6	0.29	0.05	0.03	0.05	
B-A-29-7	0.30	0.00	0.00	0.06	
B-A-29-8	0.34	0.17	0.09	0.15	
MAX	0.42	0.17	0.15	0.15	
MIN	0.26	-0.05	-0.06	-0.06	
AVG	0.34	0.04	0.02	0.02	
STD	0.06	0.07	0.07	0.07	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. B	
Product: Series MPT/MPS connector				File #:207512A63	
Description: Power Only B-A-30 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	24	24	
R.H. %	30	34	26	29	
Date:	08Nov07	13Nov07	20Nov07	30Nov07	
Pos. ID	Initial	After 100X	After	Humidity	
			T-Shock		
B-A-30-1	0.30	0.00	-0.02	-0.02	
B-A-30-2	0.36	-0.04	-0.05	-0.02	
B-A-30-3	0.51	-0.07	-0.15	-0.20	
B-A-30-4	0.42	-0.08	-0.11	-0.09	
B-A-30-5	0.36	-0.02	-0.06	-0.04	
B-A-30-6	0.30	0.02	-0.03	0.01	
B-A-30-7	0.28	0.02	-0.03	0.01	
B-A-30-8	0.32	-0.06	-0.08	-0.05	
MAX	0.51	0.02	-0.02	0.01	
MIN	0.28	-0.08	-0.15	-0.20	
AVG	0.36	-0.03	-0.06	-0.05	
STD	0.08	0.04	0.04	0.07	
Open	0	0	0	0	
Tech	BE	RJC	JG	BE	
Equip ID	601	280	295	601	
	677	558	1512	677	

TEST RESULTS

SEQUENCE C

Group A

MPTC/MPSC Series
MPT/MPS Series

Test Laboratory
1478 - 02

PROJECT NO.: 207512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION See page 4

SAMPLE SIZE: 55 samples TECHNICIAN: MOB, S-R, JG, S.Rath

START DATE: 11/8/07 COMPLETE DATE: 1/7/08

ROOM AMBIENT: 23°C RELATIVE HUMIDITY: 16%

EQUIPMENT ID#: 244, 295, 297, 323, 594, 601, 677, 681, 954, 955, 1032, 1512

LOW LEVEL CIRCUIT RESISTANCE (LLCR)

PURPOSE:

1. To evaluate contact resistance characteristics of the contact systems under conditions where applied voltages and currents do not alter the physical contact interface and will detect oxides and films which degrade electrical stability. It is also sensitive to and may detect the presence of fretting corrosion induced by mechanical or thermal environments as well as any significant loss of contact pressure.

2. This attribute was monitored after each preconditioning and/or test exposure in order to determine said stability of the contact systems as they progress through the applicable test sequences.

3. The electrical stability of the system is determined by comparing the initial resistance value to that observed after a given test exposure. The difference is the change in resistance occurring whose magnitude establishes the stability of the interface being evaluated.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 23, with the following conditions:

-continued on next page.

PROCEDURE: –continued

2. Test Conditions:

a) Test Current : 10 milliamps
b) Open Circuit Voltage : 20 millivolts

REQUIREMENTS:

Low level circuit resistance shall be measured and recorded.

RESULTS:

1. All test samples as tested met the requirements as specified.

2. See data files 207512A101 through 207512A110, 207512A131 through 207512A161 and 20785501 for individual data points.

PROJECT NO.: 207512A/207855 SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 55 samples TECHNICIAN: MOB

START DATE: 11/28/07 COMPLETE DATE: 1/4/08

ROOM AMBIENT: 24°C RELATIVE HUMIDITY: 18%

EQUIPMENT ID#: 553, 684, 1166, 1167, 1168, 1169, 1271, 1272

MECHANICAL SHOCK (SPECIFIED PULSE)

PURPOSE:

To determine the mechanical and electrical integrity of connectors for use with electronic equipment subjected to shocks such as those expected from handling, transportation, etc.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 27.

2. Test Conditions:

   a) Peak Value : 100 G
   b) Duration : 6 Milliseconds
   c) Wave Form : Half-Sine
   d) Velocity : 11.3 feet per second
   e) No. of Shocks : 3 Shocks/Direction, 3 Axis (18 Total)

3. A stabilizing medium was used such that the mated test samples did not separate during the test.

4. Figure #3 through #6 illustrates the test sample fixturing utilized during the test.

5. All subsequent variable testing was performed in accordance with the procedures previously indicated.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. The change in low level circuit resistance shall not exceed +10.0 milliohms.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. All test samples as tested met the requirements as specified.

3. See data files 207512A101 through 207512A110, 207512A131 through 207512A161 and 20785501 for individual data points.

4. In regards to 207512A the Mechanical Shock characteristics are shown in Figures #7 (Calibration Pulse) and #8 (Test Pulse). Each figure displays the shock pulse contained within the upper and lower limits as defined by the appropriate test specification.

5. In regards to 207865 the Mechanical Shock characteristics are shown in Figures #9 (Calibration Pulse) and #10 (Test Pulse). Each figure displays the shock pulse contained within the upper and lower limits as defined by the appropriate test specification.

FIGURE #3

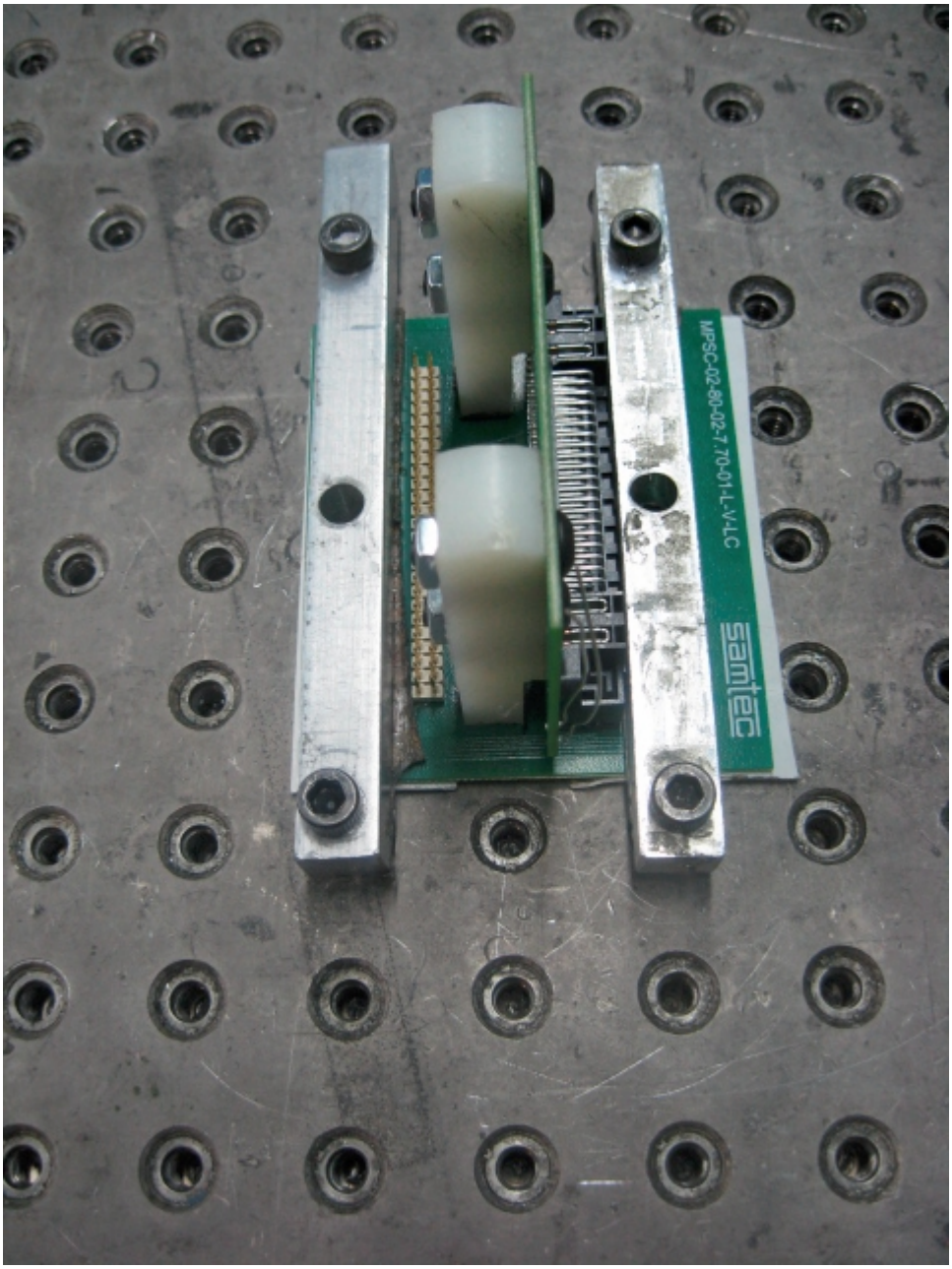


FIGURE #4

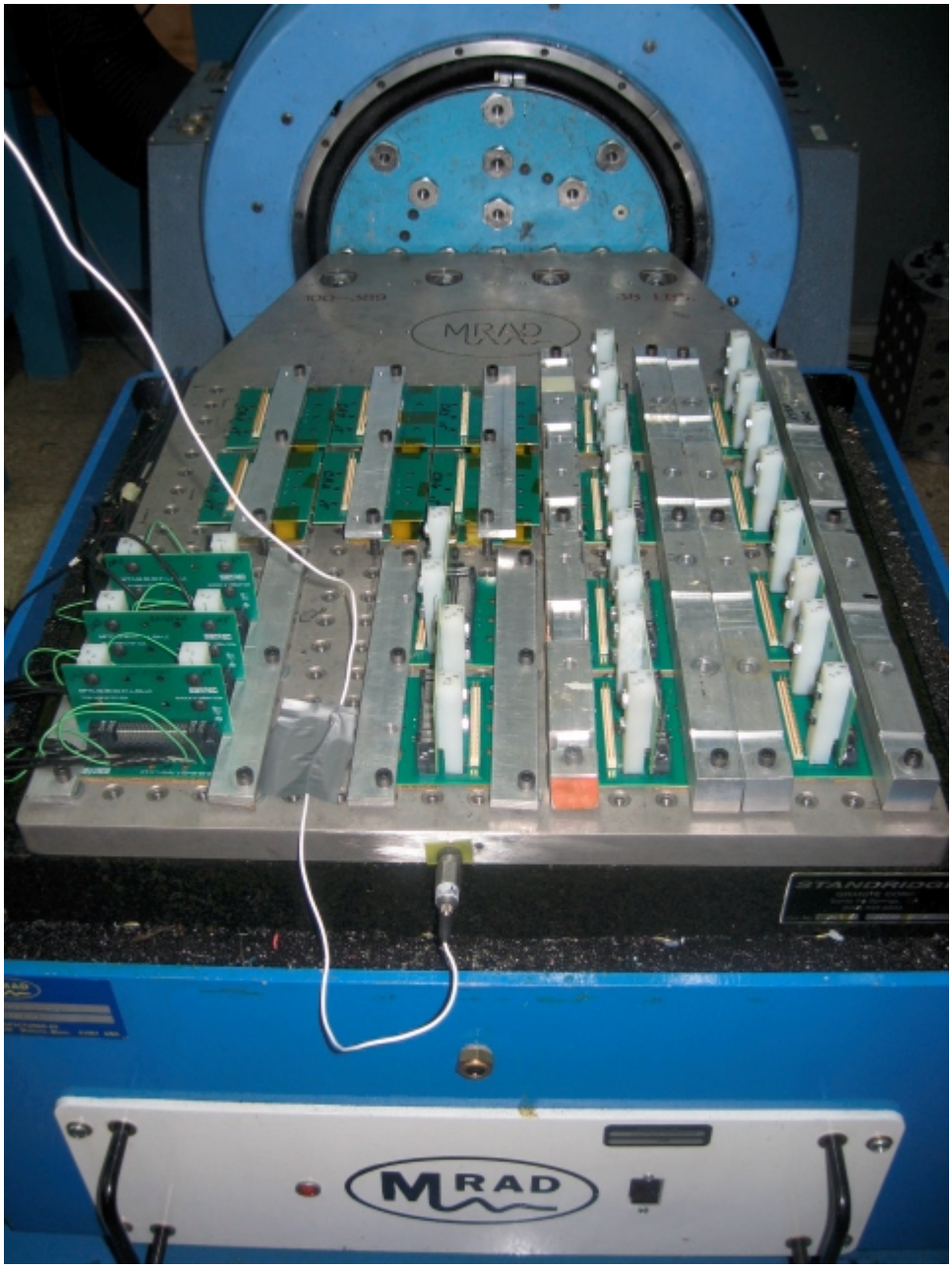


FIGURE #5

FIGURE #6

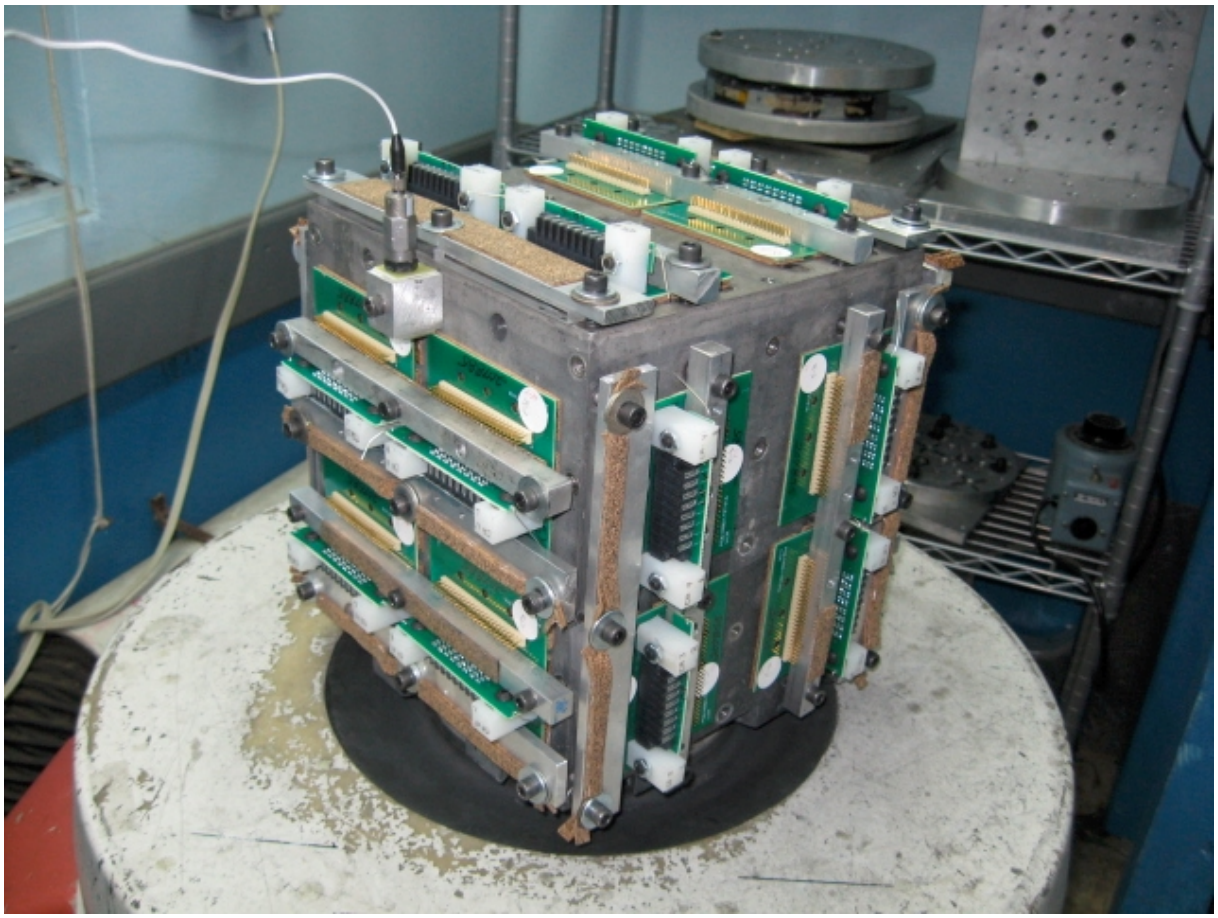
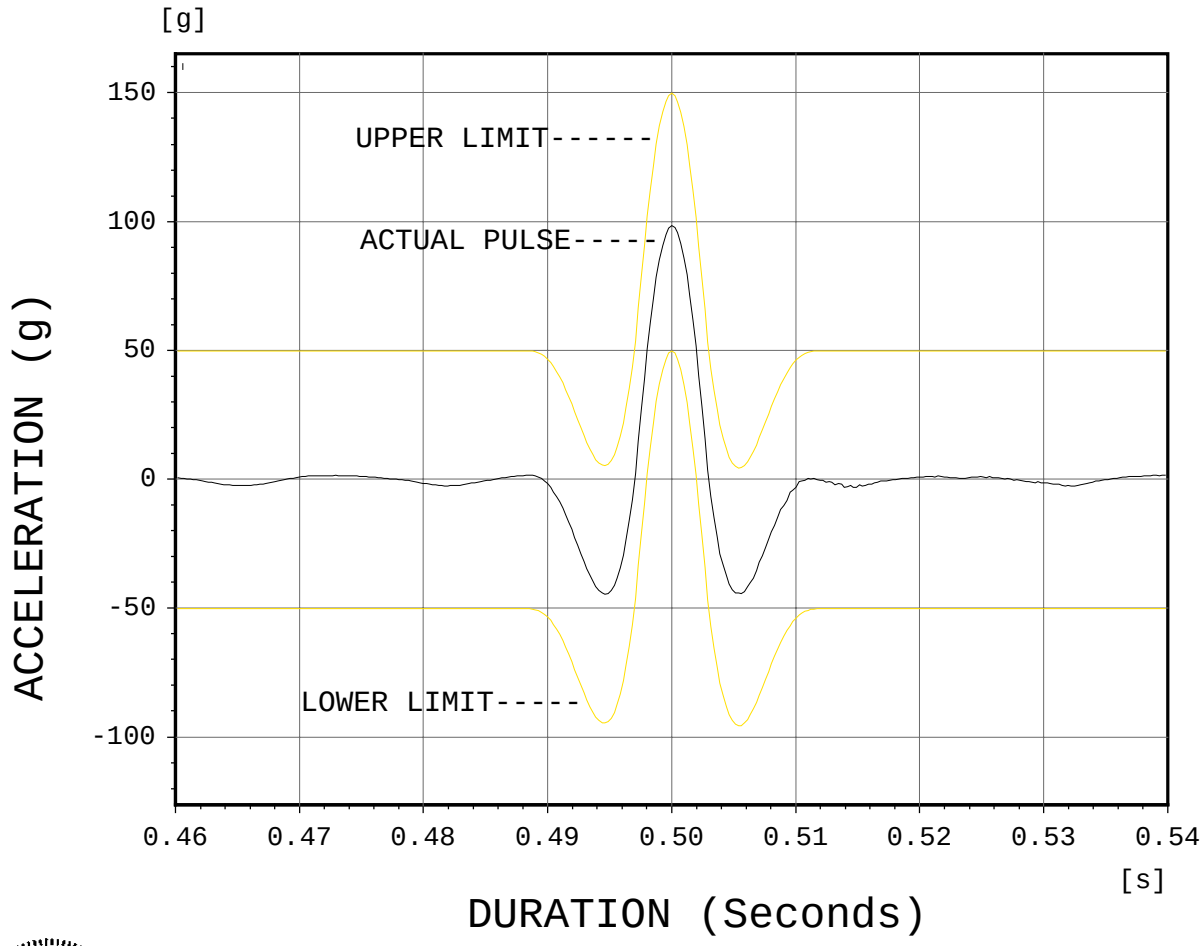


FIGURE #7

Classical Shock

Channel 1

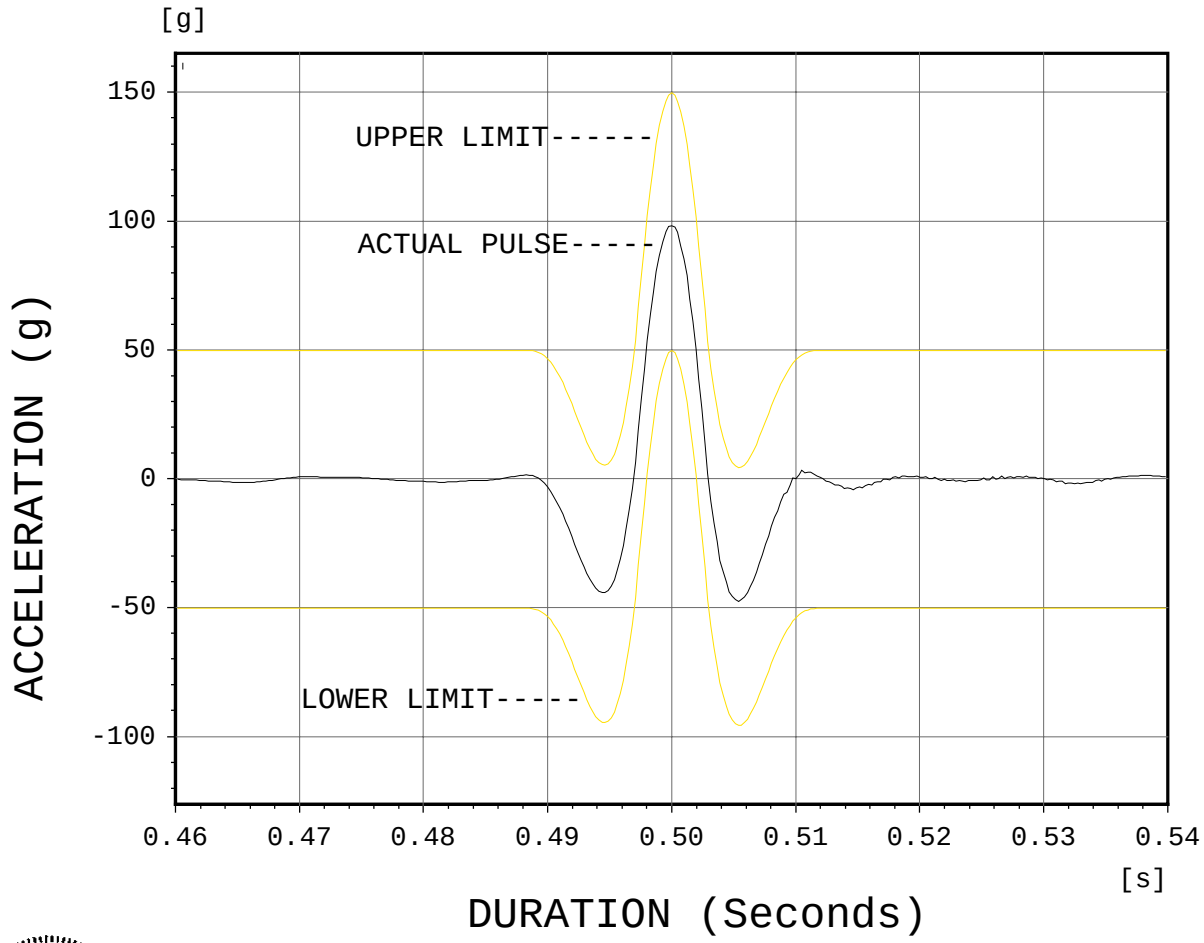


Project 207512
Samtec
100G's 6ms
Halfsine
Cal Wave 1
11-28-07
Tech:S-R

FIGURE #8

Classical Shock

Channel 1

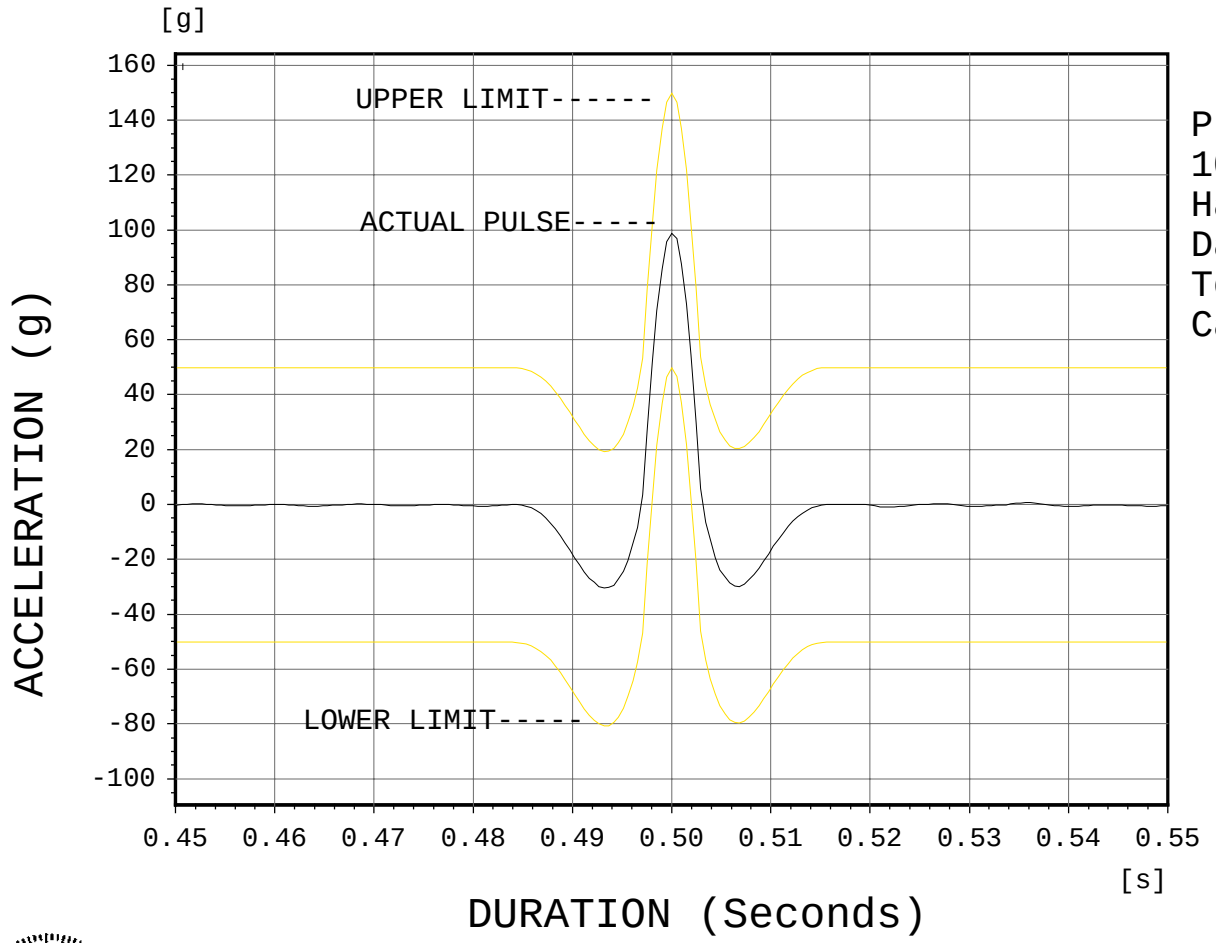


Project 207512
Samtec
100G's 6ms
Halfsine
Actual Wave 1
11-28-07
Tech:S-R

FIGURE #9

Classical Shock

Channel 1

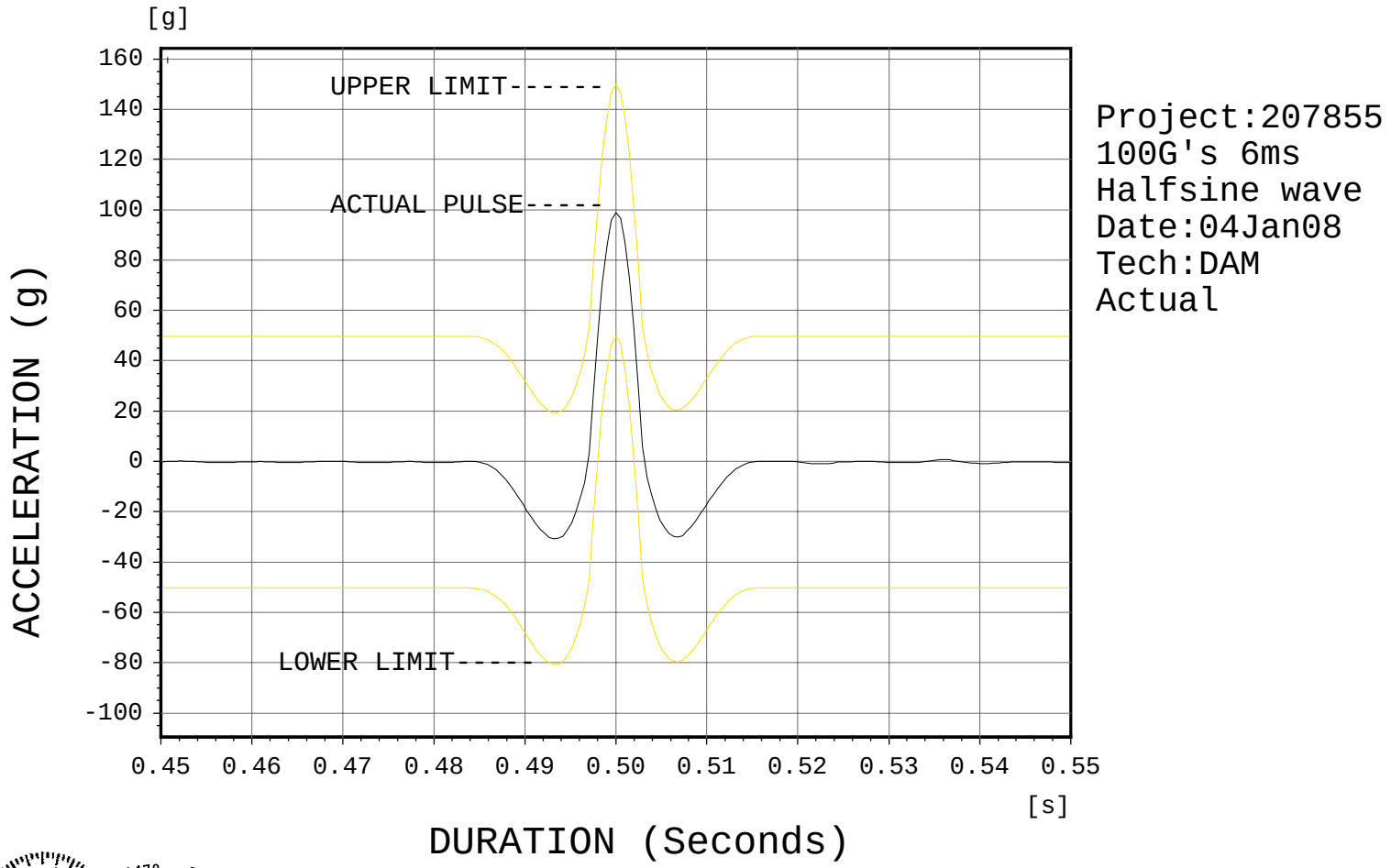


Project:207855
100G's 6ms
Halfsine wave
Date:04Jan08
Tech:DAM
Cal 1

FIGURE #10

Classical Shock

Channel 1



Project:207855
100G's 6ms
Halfsine wave
Date:04Jan08
Tech:DAM
Actual

PROJECT NO.: 207512A/207855	SPECIFICATION: MPX-VT Test Plan
PART NO.: See page 4	PART DESCRIPTION: See page 4
SAMPLE SIZE: 55 samples	TECHNICIAN: MOB
START DATE: 12/3/07	COMPLETE DATE: 1/8/08
ROOM AMBIENT: 24°C	RELATIVE HUMIDITY: 50%
EQUIPMENT ID#: 553, 619, 1121, 1125, 1166, 1167, 1168, 1169, 1219, 1271, 1272	

VIBRATION, RANDOM

PURPOSE:

1. To establish the mechanical integrity of the test samples exposed to external mechanical stresses.

2. To determine if the contact system is susceptible to fretting corrosion.

3. To determine if the electrical stability of the system has degraded when exposed to a vibratory environment.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 28, Test Condition V, Letter B.

2. Test Conditions:

   a) G 'RMS' : 7.56
   b) Frequency : 50 to 2000 Hz
   c) Duration : 2.0 hours per axis, 3 axis total

3. A stabilizing medium was used such that the mated test samples did not separate during the test.

4. Figure #'s 3 through 6 illustrate the test sample fixturing utilized during the test.

5. All subsequent variable testing was performed in accordance with procedures previously indicated.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. The change in low level circuit resistance shall not exceed +10.0 milliohms.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. All test samples as tested met the requirements as specified.

3. See data files 207512A101 through 207512A110, 207512A131 through 207512A161 and 20785501 for individual data points.

LLCR DATA FILES

DATA FILE NUMBERS

207512A101 THROUGH 207512A110
207512A131 THROUGH 207512A161
And 20785501

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A101	
Description: Signal C-A-1 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-1-3	10.80	0.08	0.29		
C-A-1-4	8.66	0.25	0.24		
C-A-1-5	8.58	0.36	0.40		
C-A-1-6	10.68	0.15	0.12		
C-A-1-7	5.32	0.26	0.13		
C-A-1-8	6.88	-0.08	-0.15		
C-A-1-9	5.28	0.01	0.02		
C-A-1-10	7.27	0.14	0.09		
C-A-1-11	5.64	-0.18	-0.12		
C-A-1-12	7.02	0.09	0.08		
C-A-1-13	7.35	-0.08	-0.11		
C-A-1-14	5.32	-0.07	-0.08		
C-A-1-15	7.01	0.08	-0.08		
C-A-1-16	5.39	-0.08	-0.12		
C-A-1-17	7.24	-0.14	-0.23		
C-A-1-18	6.98	-0.02	-0.07		
C-A-1-19	5.72	-0.19	-0.16		
C-A-1-20	9.11	-0.09	-0.26		
C-A-1-21	10.62	-0.01	0.06		
C-A-1-22	8.93	0.03	0.03		
C-A-1-23	10.58	0.10	0.01		
MAX	10.80	0.36	0.40		
MIN	5.28	-0.19	-0.26		
AVG	7.64	0.03	0.01		
STD	1.92	0.15	0.1		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	954	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A102	
Description: Signal C-A-2 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-2-3	10.82	0.75	0.24		
C-A-2-4	8.57	0.21	0.11		
C-A-2-5	8.70	0.39	0.23		
C-A-2-6	10.55	0.35	0.33		
C-A-2-7	5.53	0.51	0.60		
C-A-2-8	6.97	0.05	0.05		
C-A-2-9	5.58	0.05	0.00		
C-A-2-10	7.21	0.20	0.13		
C-A-2-11	5.21	0.12	0.09		
C-A-2-12	7.11	0.52	0.11		
C-A-2-13	7.20	0.32	0.10		
C-A-2-14	5.40	0.39	0.16		
C-A-2-15	7.30	0.47	0.46		
C-A-2-16	5.38	0.61	0.21		
C-A-2-17	7.31	0.52	0.35		
C-A-2-18	7.14	0.69	0.23		
C-A-2-19	5.90	-0.06	-0.25		
C-A-2-20	8.84	0.74	0.59		
C-A-2-21	10.48	0.81	0.42		
C-A-2-22	8.93	0.72	0.52		
C-A-2-23	11.05	0.44	0.06		
MAX	11.05	0.81	0.60		
MIN	5.21	-0.06	-0.25		
AVG	7.67	0.42	0.23		
STD	1.91	0.25	0.21		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A103	
Description: Signal C-A-3 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-3-3	10.79	0.32	0.23		
C-A-3-4	8.66	0.06	-0.07		
C-A-3-5	8.92	-0.08	-0.12		
C-A-3-6	10.77	0.10	-0.02		
C-A-3-7	5.75	0.05	-0.10		
C-A-3-8	6.95	0.61	0.39		
C-A-3-9	5.73	0.01	0.00		
C-A-3-10	7.23	0.14	0.08		
C-A-3-11	5.35	0.07	-0.01		
C-A-3-12	7.29	0.21	0.19		
C-A-3-13	7.26	0.08	0.07		
C-A-3-14	5.58	-0.07	-0.05		
C-A-3-15	7.41	0.04	0.12		
C-A-3-16	5.47	0.24	0.17		
C-A-3-17	7.61	-0.09	0.10		
C-A-3-18	7.08	-0.07	-0.05		
C-A-3-19	5.75	-0.40	-0.34		
C-A-3-20	9.37	-0.23	-0.19		
C-A-3-21	10.75	0.07	0.11		
C-A-3-22	9.24	0.23	0.19		
C-A-3-23	10.87	-0.05	0.04		
MAX	10.87	0.61	0.39		
MIN	5.35	-0.40	-0.34		
AVG	7.80	0.06	0.04		
STD	1.92	0.21	0.16		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A104	
Description: Signal C-A-4 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-4-3	11.35	-0.41	-0.47		
C-A-4-4	9.07	-0.40	-0.49		
C-A-4-5	9.57	-0.44	-0.69		
C-A-4-6	11.13	-0.36	-0.69		
C-A-4-7	5.85	-0.19	-0.44		
C-A-4-8	7.65	-0.78	-0.97		
C-A-4-9	5.83	-0.47	-0.62		
C-A-4-10	8.19	-0.65	-0.99		
C-A-4-11	5.66	-0.39	-0.54		
C-A-4-12	7.61	-0.47	-0.62		
C-A-4-13	7.78	-0.50	-0.65		
C-A-4-14	6.06	-0.45	-0.56		
C-A-4-15	7.62	-0.26	-0.41		
C-A-4-16	5.85	-0.55	-0.65		
C-A-4-17	7.38	-0.09	-0.32		
C-A-4-18	7.26	-0.33	-0.52		
C-A-4-19	6.09	-0.56	-0.76		
C-A-4-20	9.19	0.09	-0.16		
C-A-4-21	10.82	0.17	0.05		
C-A-4-22	8.59	0.12	0.01		
C-A-4-23	10.91	0.24	0.09		
MAX	11.35	0.24	0.09		
MIN	5.66	-0.78	-0.99		
AVG	8.07	-0.32	-0.50		
STD	1.88	0.28	0.30		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A105	
Description: Signal C-A-5 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-5-3	11.17	-0.17	-0.04		
C-A-5-4	8.64	0.03	0.04		
C-A-5-5	8.93	0.15	0.28		
C-A-5-6	10.46	-0.17	-0.11		
C-A-5-7	5.79	0.06	0.39		
C-A-5-8	7.21	-0.02	-0.13		
C-A-5-9	5.73	-0.23	-0.22		
C-A-5-10	7.45	0.09	-0.04		
C-A-5-11	5.49	0.04	-0.02		
C-A-5-12	7.07	0.01	-0.03		
C-A-5-13	7.26	0.11	0.03		
C-A-5-14	5.43	-0.15	-0.15		
C-A-5-15	7.36	0.26	0.21		
C-A-5-16	5.50	0.05	-0.08		
C-A-5-17	7.43	0.09	0.05		
C-A-5-18	7.44	-0.24	-0.27		
C-A-5-19	5.88	0.02	-0.26		
C-A-5-20	9.25	-0.07	-0.14		
C-A-5-21	10.50	-0.04	0.16		
C-A-5-22	8.62	0.15	0.14		
C-A-5-23	10.93	0.01	-0.10		
MAX	11.17	0.26	0.39		
MIN	5.43	-0.24	-0.27		
AVG	7.79	0.00	-0.01		
STD	1.87	0.13	0.17		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A106	
Description: Signal C-A-6 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-6-3	11.53	-0.25	-0.14		
C-A-6-4	9.07	-0.27	-0.27		
C-A-6-5	9.11	0.36	0.18		
C-A-6-6	11.46	-0.43	-0.34		
C-A-6-7	5.79	0.03	0.05		
C-A-6-8	7.44	-0.21	-0.21		
C-A-6-9	5.63	-0.18	0.00		
C-A-6-10	7.34	-0.06	0.02		
C-A-6-11	5.37	0.15	-0.05		
C-A-6-12	7.00	0.21	0.34		
C-A-6-13	7.17	0.22	0.15		
C-A-6-14	5.90	-0.31	-0.07		
C-A-6-15	7.21	0.15	0.15		
C-A-6-16	6.22	-0.48	-0.60		
C-A-6-17	7.33	0.16	0.23		
C-A-6-18	6.99	-0.04	-0.10		
C-A-6-19	5.61	-0.33	-0.43		
C-A-6-20	9.19	-0.24	-0.21		
C-A-6-21	12.59	-1.27	-1.47		
C-A-6-22	9.13	0.00	0.15		
C-A-6-23	11.38	-0.19	-0.25		
MAX	12.59	0.36	0.34		
MIN	5.37	-1.27	-1.47		
AVG	8.02	-0.14	-0.14		
STD	2.20	0.35	0.38		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A107	
Description: Signal C-A-7 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-7-3	10.85	0.28	0.23		
C-A-7-4	8.84	-0.10	-0.05		
C-A-7-5	9.14	-0.30	-0.35		
C-A-7-6	10.60	0.05	0.20		
C-A-7-7	5.61	0.09	-0.03		
C-A-7-8	7.31	-0.19	-0.16		
C-A-7-9	5.35	-0.03	0.02		
C-A-7-10	7.18	-0.05	-0.07		
C-A-7-11	5.13	0.14	0.16		
C-A-7-12	6.93	0.01	0.06		
C-A-7-13	7.25	0.17	0.11		
C-A-7-14	5.19	0.15	0.18		
C-A-7-15	6.99	0.23	0.19		
C-A-7-16	5.26	0.12	0.01		
C-A-7-17	6.94	0.30	0.21		
C-A-7-18	6.94	-0.12	-0.07		
C-A-7-19	5.65	-0.11	-0.34		
C-A-7-20	8.98	0.17	0.15		
C-A-7-21	10.52	0.21	0.13		
C-A-7-22	8.97	0.16	0.13		
C-A-7-23	10.71	0.20	0.27		
MAX	10.85	0.30	0.27		
MIN	5.13	-0.30	-0.35		
AVG	7.63	0.07	0.05		
STD	1.97	0.16	0.17		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A108	
Description: Signal C-A-8 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-8-3	10.77	0.53	0.51		
C-A-8-4	9.09	-0.39	-0.47		
C-A-8-5	9.45	-0.31	-0.33		
C-A-8-6	10.14	0.13	0.09		
C-A-8-7	6.04	-0.32	-0.42		
C-A-8-8	7.09	-0.08	-0.20		
C-A-8-9	5.63	-0.11	-0.06		
C-A-8-10	7.31	-0.10	-0.18		
C-A-8-11	4.91	0.45	0.46		
C-A-8-12	7.30	-0.30	-0.23		
C-A-8-13	7.49	-0.32	-0.29		
C-A-8-14	5.79	-0.37	-0.33		
C-A-8-15	7.31	-0.03	-0.20		
C-A-8-16	5.68	-0.27	-0.32		
C-A-8-17	7.65	-0.15	-0.18		
C-A-8-18	7.17	-0.15	-0.19		
C-A-8-19	5.99	-0.54	-0.53		
C-A-8-20	9.31	-0.24	-0.13		
C-A-8-21	10.13	0.22	0.01		
C-A-8-22	8.92	-0.13	-0.16		
C-A-8-23	10.82	-0.21	-0.20		
MAX	10.82	0.53	0.51		
MIN	4.91	-0.54	-0.53		
AVG	7.81	-0.13	-0.16		
STD	1.82	0.27	0.26		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A109	
Description: Signal C-A-9 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-9-3	11.13	0.01	0.13		
C-A-9-4	8.66	0.28	0.17		
C-A-9-5	8.90	0.17	0.09		
C-A-9-6	10.84	0.18	0.35		
C-A-9-7	5.57	-0.34	-0.40		
C-A-9-8	7.01	-0.09	-0.16		
C-A-9-9	5.49	0.04	-0.02		
C-A-9-10	7.33	0.00	-0.02		
C-A-9-11	5.79	-0.07	-0.05		
C-A-9-12	7.23	-0.26	-0.25		
C-A-9-13	7.29	0.00	0.09		
C-A-9-14	5.94	-0.25	-0.26		
C-A-9-15	7.15	0.04	0.07		
C-A-9-16	5.97	-0.12	0.05		
C-A-9-17	7.22	0.09	0.22		
C-A-9-18	6.88	-0.13	0.08		
C-A-9-19	5.57	-0.06	-0.31		
C-A-9-20	8.92	0.07	0.22		
C-A-9-21	10.93	0.01	0.09		
C-A-9-22	8.35	0.15	0.32		
C-A-9-23	11.06	-0.11	-0.03		
MAX	11.13	0.28	0.35		
MIN	5.49	-0.34	-0.40		
AVG	7.77	-0.02	0.02		
STD	1.92	0.15	0.20		
Open	0	0	0		
Tech	BED	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A110	
Description: Signal C-A-10 Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	30	29	20		
Date:	08Nov07	28Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-10-3	10.91	0.32	0.31		
C-A-10-4	8.90	-0.06	-0.13		
C-A-10-5	8.97	0.43	0.43		
C-A-10-6	10.67	0.44	0.32		
C-A-10-7	5.92	-0.19	-0.32		
C-A-10-8	7.06	0.13	0.08		
C-A-10-9	5.59	-0.13	-0.15		
C-A-10-10	7.30	0.31	0.27		
C-A-10-11	5.39	-0.25	-0.32		
C-A-10-12	7.15	-0.03	0.00		
C-A-10-13	7.22	-0.07	-0.06		
C-A-10-14	5.39	-0.04	-0.02		
C-A-10-15	7.25	0.13	0.14		
C-A-10-16	5.46	-0.01	-0.38		
C-A-10-17	7.45	-0.10	-0.04		
C-A-10-18	6.92	0.04	0.01		
C-A-10-19	5.59	-0.14	-0.17		
C-A-10-20	9.25	0.28	0.06		
C-A-10-21	10.66	0.57	0.52		
C-A-10-22	8.68	0.08	0.01		
C-A-10-23	10.70	0.21	0.20		
MAX	10.91	0.57	0.52		
MIN	5.39	-0.25	-0.38		
AVG	7.73	0.09	0.04		
STD	1.91	0.23	0.24		
Open	0	0	0		
Tech	BE	S-R	S.Rath		
Equip ID	601	594	244		
	677	955	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A131	
Description: Signal C-A-1 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-1-3	6.48	-0.02	-0.22		
C-A-1-4	6.68	-0.05	-0.12		
C-A-1-5	6.41	-0.01	-0.15		
C-A-1-6	6.16	-0.05	-0.02		
C-A-1-7	6.22	-0.04	-0.04		
C-A-1-8	6.35	-0.02	0.17		
C-A-1-9	6.30	-0.06	0.02		
C-A-1-10	6.67	-0.08	-0.16		
C-A-1-11	6.09	-0.02	-0.06		
C-A-1-12	6.27	-0.04	0.11		
C-A-1-13	6.58	-0.05	-0.14		
C-A-1-14	6.16	-0.03	-0.06		
C-A-1-15	6.58	-0.04	-0.08		
C-A-1-16	6.08	0.29	0.14		
C-A-1-17	6.65	-0.04	-0.30		
C-A-1-18	6.35	-0.03	-0.07		
C-A-1-19	6.44	0.02	-0.19		
C-A-1-20	6.52	-0.05	-0.18		
C-A-1-21	6.58	-0.02	-0.14		
C-A-1-22	6.37	-0.01	0.08		
C-A-1-23	6.78	-0.10	-0.27		
MAX	6.78	0.29	0.17		
MIN	6.08	-0.10	-0.30		
AVG	6.41	-0.02	-0.08		
STD	0.21	0.08	0.13		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A132	
Description: Signal C-A-2 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-2-3	6.12	0.04	-0.31		
C-A-2-4	6.22	0.01	-0.16		
C-A-2-5	6.58	-0.10	-0.35		
C-A-2-6	6.15	0.01	-0.25		
C-A-2-7	6.76	-0.02	-0.18		
C-A-2-8	6.35	0.04	-0.10		
C-A-2-9	6.17	-0.06	-0.24		
C-A-2-10	6.49	-0.04	-0.12		
C-A-2-11	5.76	0.24	-0.03		
C-A-2-12	6.08	0.00	-0.05		
C-A-2-13	6.18	0.00	-0.01		
C-A-2-14	5.91	-0.03	-0.10		
C-A-2-15	6.07	-0.02	-0.14		
C-A-2-16	6.28	-0.04	-0.36		
C-A-2-17	6.49	-0.06	-0.32		
C-A-2-18	6.14	-0.03	0.07		
C-A-2-19	6.13	0.00	-0.20		
C-A-2-20	6.00	0.06	-0.03		
C-A-2-21	6.02	-0.03	-0.21		
C-A-2-22	6.00	0.10	0.03		
C-A-2-23	6.37	-0.10	-0.53		
MAX	6.76	0.24	0.07		
MIN	5.76	-0.10	-0.53		
AVG	6.20	0.00	-0.17		
STD	0.24	0.07	0.15		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #:207512A133	
Description: Signal C-A-3 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-3-3	6.28	-0.02	-0.05		
C-A-3-4	6.75	-0.06	-0.31		
C-A-3-5	6.00	-0.62	-0.03		
C-A-3-6	6.03	0.08	0.16		
C-A-3-7	6.11	-0.04	-0.07		
C-A-3-8	6.07	-0.04	0.01		
C-A-3-9	6.26	-0.53	-0.04		
C-A-3-10	6.32	-0.04	-0.26		
C-A-3-11	6.29	-0.02	-0.12		
C-A-3-12	6.00	0.04	0.15		
C-A-3-13	6.32	-0.20	-0.05		
C-A-3-14	6.17	-0.01	-0.08		
C-A-3-15	6.68	-0.02	-0.16		
C-A-3-16	6.04	-0.03	-0.07		
C-A-3-17	6.17	-0.02	0.09		
C-A-3-18	6.22	0.00	-0.36		
C-A-3-19	6.24	0.03	0.01		
C-A-3-20	6.38	0.00	0.03		
C-A-3-21	6.24	-0.04	0.08		
C-A-3-22	6.49	0.01	-0.06		
C-A-3-23	6.45	-0.03	0.27		
MAX	6.75	0.08	0.27		
MIN	6.00	-0.62	-0.36		
AVG	6.26	-0.07	-0.04		
STD	0.20	0.17	0.15		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A134	
Description: Signal C-A-4 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23	22	
R.H. %	29	29	20	23	
Date:	28Nov07	29Nov07	05Dec07	15Jan08	
Pos. ID	Initial	M-Shock	Vibe	Humidity	
C-A-4-3	6.20	-0.06	0.13	-0.1	
C-A-4-4	6.22	0.00	0.06	0.3	
C-A-4-5	5.89	0.01	0.03	0.3	
C-A-4-6	6.06	0.01	0.16	0.3	
C-A-4-7	6.00	0.04	0.00	0.1	
C-A-4-8	6.08	0.04	-0.03	0.2	
C-A-4-9	5.94	0.03	0.00	0.2	
C-A-4-10	6.36	0.06	-0.02	-0.2	
C-A-4-11	5.84	0.00	0.00	0.3	
C-A-4-12	5.81	0.18	0.18	0.3	
C-A-4-13	5.99	-0.04	0.10	0.3	
C-A-4-14	6.43	0.02	0.02	-0.2	
C-A-4-15	6.26	-0.01	-0.02	0.1	
C-A-4-16	5.92	0.02	0.00	0.3	
C-A-4-17	6.35	0.00	-0.04	0.0	
C-A-4-18	5.86	-0.02	-0.09	0.4	
C-A-4-19	6.01	0.02	-0.04	0.2	
C-A-4-20	5.97	0.05	-0.09	0.0	
C-A-4-21	6.24	0.04	-0.13	-0.1	
C-A-4-22	6.03	0.04	-0.05	0.2	
C-A-4-23	6.09	0.00	-0.11	0.6	
MAX	6.43	0.18	0.18	0.6	
MIN	5.81	-0.06	-0.13	-0.2	
AVG	6.07	0.02	0.00	0.2	
STD	0.18	0.05	0.08	0.2	
Open	0	0	0	0	
Tech	JG	JG	MAG	S.Rath	
Equip ID	1512	1512	951R	244	
	295	295	681	1032	

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A135	
Description: Signal C-A-5 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-5-3	6.21	-0.01	-0.13		
C-A-5-4	6.20	-0.26	0.10		
C-A-5-5	6.15	-0.08	-0.12		
C-A-5-6	6.16	-0.04	0.08		
C-A-5-7	6.00	-0.03	1.61		
C-A-5-8	6.38	0.00	-0.08		
C-A-5-9	6.22	-0.03	0.07		
C-A-5-10	6.48	0.07	-0.07		
C-A-5-11	6.21	0.02	0.13		
C-A-5-12	6.30	0.04	-0.04		
C-A-5-13	6.10	-0.03	0.11		
C-A-5-14	6.26	-0.03	-0.04		
C-A-5-15	6.03	0.02	0.03		
C-A-5-16	5.99	-0.05	-0.02		
C-A-5-17	6.25	-0.25	-0.20		
C-A-5-18	6.39	-0.13	-0.35		
C-A-5-19	6.09	0.32	0.35		
C-A-5-20	6.31	-0.18	-0.27		
C-A-5-21	6.29	-0.11	-0.05		
C-A-5-22	6.18	0.13	0.45		
C-A-5-23	6.21	0.00	0.16		
MAX	6.48	0.32	1.61		
MIN	5.99	-0.26	-0.35		
AVG	6.21	-0.03	0.08		
STD	0.13	0.13	0.39		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A136	
Description: Signal C-A-6 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-6-3	6.29	-0.04	-0.37		
C-A-6-4	6.50	-0.04	-0.40		
C-A-6-5	5.96	0.00	0.00		
C-A-6-6	6.21	-0.02	-0.30		
C-A-6-7	6.47	-0.09	-0.30		
C-A-6-8	6.16	0.00	-0.02		
C-A-6-9	6.19	-0.01	0.25		
C-A-6-10	6.38	-0.02	-0.16		
C-A-6-11	5.80	-0.01	-0.14		
C-A-6-12	6.00	0.04	-0.02		
C-A-6-13	6.37	0.11	-0.07		
C-A-6-14	5.90	-0.02	-0.07		
C-A-6-15	6.35	0.04	0.09		
C-A-6-16	6.45	0.03	0.09		
C-A-6-17	6.41	0.04	-0.10		
C-A-6-18	6.10	0.01	-0.17		
C-A-6-19	6.68	0.32	-0.16		
C-A-6-20	5.92	0.01	-0.03		
C-A-6-21	6.20	-0.04	-0.14		
C-A-6-22	6.45	-0.04	-0.25		
C-A-6-23	5.96	-0.01	-0.04		
MAX	6.68	0.32	0.25		
MIN	5.80	-0.09	-0.40		
AVG	6.23	0.01	-0.11		
STD	0.24	0.08	0.16		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A137	
Description: Signal C-A-7 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-7-3	6.27	-0.07	-0.15		
C-A-7-4	6.10	-0.08	-0.14		
C-A-7-5	5.68	0.09	-0.03		
C-A-7-6	5.82	0.07	-0.06		
C-A-7-7	6.43	0.11	-0.02		
C-A-7-8	6.06	-0.06	-0.14		
C-A-7-9	6.07	-0.21	-0.21		
C-A-7-10	6.38	0.02	-0.12		
C-A-7-11	6.01	-0.08	-0.27		
C-A-7-12	6.40	-0.02	-0.18		
C-A-7-13	6.37	0.00	-0.21		
C-A-7-14	5.99	0.01	-0.10		
C-A-7-15	6.34	-0.02	-0.30		
C-A-7-16	6.30	0.00	-0.36		
C-A-7-17	6.57	0.02	-0.09		
C-A-7-18	5.91	0.03	-0.10		
C-A-7-19	6.35	0.01	-0.17		
C-A-7-20	6.21	-0.05	-0.33		
C-A-7-21	5.93	0.02	-0.11		
C-A-7-22	6.28	-0.26	0.05		
C-A-7-23	6.40	0.01	-0.37		
MAX	6.57	0.11	0.05		
MIN	5.68	-0.26	-0.37		
AVG	6.18	-0.02	-0.16		
STD	0.23	0.09	0.11		
Open	0	0	0		
Tech	S-R	JG	MAG		
Equip ID	594	1512	951R		
	955	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A138	
Description: Signal C-A-8 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-8-3	6.24	0.03	0.02		
C-A-8-4	6.38	0.05	0.20		
C-A-8-5	6.09	-0.02	-0.25		
C-A-8-6	5.89	0.07	0.00		
C-A-8-7	6.37	0.12	-0.01		
C-A-8-8	6.15	-0.05	-0.17		
C-A-8-9	6.32	-0.10	-0.35		
C-A-8-10	6.25	0.02	-0.32		
C-A-8-11	5.84	0.01	-0.10		
C-A-8-12	6.18	0.01	-0.01		
C-A-8-13	6.15	0.04	-0.11		
C-A-8-14	6.16	0.09	-0.41		
C-A-8-15	6.58	0.00	-0.13		
C-A-8-16	5.90	-0.02	0.10		
C-A-8-17	6.64	-0.10	-0.48		
C-A-8-18	6.06	-0.01	-0.22		
C-A-8-19	5.98	0.01	0.12		
C-A-8-20	5.84	-0.04	0.00		
C-A-8-21	5.84	0.06	-0.02		
C-A-8-22	6.19	-0.10	-0.12		
C-A-8-23	6.12	-0.04	0.20		
MAX	6.64	0.12	0.20		
MIN	5.84	-0.10	-0.48		
AVG	6.15	0.00	-0.10		
STD	0.23	0.06	0.19		
Open	0	0	0		
Tech	S-R	JG	MAG		
Equip ID	594	1512	951R		
	955	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A139	
Description: Signal C-A-9 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-9-3	6.44	0.01	0.07		
C-A-9-4	6.44	0.00	-0.27		
C-A-9-5	6.04	0.31	0.21		
C-A-9-6	6.14	-0.07	-0.15		
C-A-9-7	6.08	-0.12	-0.14		
C-A-9-8	6.20	0.02	0.09		
C-A-9-9	6.34	-0.04	-0.19		
C-A-9-10	6.36	0.14	-0.10		
C-A-9-11	5.93	0.08	-0.04		
C-A-9-12	6.10	0.09	0.07		
C-A-9-13	6.42	-0.08	-0.32		
C-A-9-14	5.97	0.05	-0.05		
C-A-9-15	6.32	-0.17	-0.02		
C-A-9-16	5.90	0.05	-0.09		
C-A-9-17	6.05	0.11	-0.05		
C-A-9-18	5.92	0.23	0.19		
C-A-9-19	6.31	-0.96	-0.57		
C-A-9-20	6.39	-0.04	-0.28		
C-A-9-21	6.21	-0.02	-0.32		
C-A-9-22	6.18	0.51	0.01		
C-A-9-23	6.42	0.07	-0.32		
MAX	6.44	0.51	0.21		
MIN	5.90	-0.96	-0.57		
AVG	6.20	0.01	-0.11		
STD	0.19	0.27	0.19		
Open	0	0	0		
Tech	S-R	JG	MAG		
Equip ID	594	1512	951R		
	955	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A140	
Description: Signal C-A-10 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-10-3	6.41	-0.02	-0.08		
C-A-10-4	6.19	-0.02	-0.10		
C-A-10-5	5.97	0.01	-0.01		
C-A-10-6	6.01	-0.12	-0.04		
C-A-10-7	6.08	-0.03	-0.08		
C-A-10-8	6.15	-0.05	0.02		
C-A-10-9	5.82	-0.04	-0.13		
C-A-10-10	6.35	0.04	-0.04		
C-A-10-11	5.80	0.31	-0.15		
C-A-10-12	6.43	-0.03	-0.05		
C-A-10-13	6.02	0.02	0.00		
C-A-10-14	5.92	-0.01	-0.11		
C-A-10-15	6.26	-0.01	-0.09		
C-A-10-16	6.12	0.00	-0.15		
C-A-10-17	6.15	-0.03	-0.04		
C-A-10-18	5.93	-0.06	0.01		
C-A-10-19	6.06	0.00	0.01		
C-A-10-20	6.09	0.27	0.00		
C-A-10-21	6.05	-0.02	-0.08		
C-A-10-22	6.40	-0.05	-0.10		
C-A-10-23	5.98	-0.04	-0.14		
MAX	6.43	0.31	0.02		
MIN	5.80	-0.12	-0.15		
AVG	6.10	0.01	-0.06		
STD	0.18	0.10	0.06		
Open	0	0	0		
Tech	S-R	JG	MAG		
Equip ID	594	1512	951R		
	955	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A141	
Description: Power Only C-A-11 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-11-1	0.24	0.00	-0.01		
C-A-11-2	0.25	0.01	0.01		
C-A-11-3	0.31	-0.01	0.01		
C-A-11-4	0.32	-0.03	0.02		
C-A-11-5	0.33	-0.01	-0.01		
C-A-11-6	0.26	0.00	-0.01		
C-A-11-7	0.22	0.00	0.02		
C-A-11-8	0.23	-0.02	0.02		
MAX	0.33	0.01	0.02		
MIN	0.22	-0.03	-0.01		
AVG	0.27	-0.01	0.01		
STD	0.04	0.01	0.01		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A142	
Description: Power Only C-A-12 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-12-1	0.24	0.04	0.04		
C-A-12-2	0.25	0.00	0.02		
C-A-12-3	0.29	0.05	0.00		
C-A-12-4	0.32	0.03	0.04		
C-A-12-5	0.33	0.00	-0.04		
C-A-12-6	0.30	0.00	-0.01		
C-A-12-7	0.28	0.01	-0.02		
C-A-12-8	0.26	-0.01	-0.01		
MAX	0.33	0.05	0.04		
MIN	0.24	-0.01	-0.04		
AVG	0.28	0.01	0.00		
STD	0.03	0.02	0.03		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A143	
Description: Power Only C-A-13 Vertical					
Open circuit voltage:		20mv			Current:
			Actual values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-13-1	0.25	0.26	0.26		
C-A-13-2	0.27	0.25	0.27		
C-A-13-3	0.33	0.27	0.29		
C-A-13-4	0.31	0.34	0.30		
C-A-13-5	0.35	0.31	0.30		
C-A-13-6	0.25	0.26	0.28		
C-A-13-7	0.24	0.25	0.26		
C-A-13-8	0.24	0.24	0.29		
MAX	0.35	0.34	0.30		
MIN	0.24	0.24	0.26		
AVG	0.28	0.27	0.28		
STD	0.04	0.03	0.02		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A144	
Description:Power Only C-A-14 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	28Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-14-1	0.26	-0.02	-0.01		
C-A-14-2	0.39	-0.07	-0.09		
C-A-14-3	0.41	-0.06	-0.11		
C-A-14-4	0.40	-0.10	-0.12		
C-A-14-5	0.31	0.00	-0.02		
C-A-14-6	0.33	-0.04	-0.05		
C-A-14-7	0.26	0.00	-0.02		
C-A-14-8	0.26	0.01	0.01		
MAX	0.41	0.01	0.01		
MIN	0.26	-0.10	-0.12		
AVG	0.33	-0.03	-0.05		
STD	0.07	0.04	0.05		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A145	
Description: Power Only C-A-15 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-15-1	0.29	0.00	0.02		
C-A-15-2	0.24	-0.01	0.05		
C-A-15-3	0.31	-0.04	0.01		
C-A-15-4	0.32	-0.06	-0.05		
C-A-15-5	0.37	-0.09	-0.03		
C-A-15-6	0.25	-0.01	0.01		
C-A-15-7	0.30	-0.02	0.01		
C-A-15-8	0.24	0.00	0.05		
MAX	0.37	0.00	0.05		
MIN	0.24	-0.09	-0.05		
AVG	0.29	-0.03	0.01		
STD	0.05	0.03	0.03		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A146	
Description: Power Only C-A-16 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-16-1	0.25	0.0	0.01		
C-A-16-2	0.30	0.0	-0.02		
C-A-16-3	0.42	-0.1	-0.14		
C-A-16-4	0.31	0.0	-0.02		
C-A-16-5	0.27	0.0	-0.03		
C-A-16-6	0.28	0.0	-0.02		
C-A-16-7	0.27	0.0	-0.01		
C-A-16-8	0.26	0.0	-0.01		
MAX	0.42	0.0	0.01		
MIN	0.25	-0.1	-0.14		
AVG	0.29	0.0	-0.03		
STD	0.05	0.0	0.04		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A147	
Description: Power Only C-A-17 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-17-1	0.24	0.01	0.00		
C-A-17-2	0.26	-0.01	-0.02		
C-A-17-3	0.63	-0.26	-0.23		
C-A-17-4	0.36	-0.04	-0.08		
C-A-17-5	0.42	-0.01	-0.06		
C-A-17-6	0.31	-0.04	-0.01		
C-A-17-7	0.28	0.00	0.08		
C-A-17-8	0.23	0.01	0.03		
MAX	0.63	0.01	0.08		
MIN	0.23	-0.26	-0.23		
AVG	0.34	-0.04	-0.04		
STD	0.13	0.09	0.09		
Open	0	0	0		
Tech	JG	S.Rath	MAG		
Equip ID	1512	244	951R		
	295	1032	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A148	
Description: Power Only C-A-18 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-18-1	0.26	0.02	0.02		
C-A-18-2	0.27	0.13	0.03		
C-A-18-3	0.38	0.05	-0.02		
C-A-18-4	0.34	0.04	0.00		
C-A-18-5	0.29	0.06	0.07		
C-A-18-6	0.32	0.10	0.05		
C-A-18-7	0.28	0.04	0.02		
C-A-18-8	0.24	0.05	0.01		
MAX	0.38	0.13	0.07		
MIN	0.24	0.02	-0.02		
AVG	0.30	0.06	0.02		
STD	0.04	0.04	0.03		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A149	
Description: Power Only C-A-19 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-19-1	0.27	-0.02	0.04		
C-A-19-2	0.30	0.09	0.02		
C-A-19-3	0.31	0.09	0.01		
C-A-19-4	0.32	0.05	-0.01		
C-A-19-5	0.36	0.14	-0.08		
C-A-19-6	0.38	0.02	-0.07		
C-A-19-7	0.28	0.05	-0.01		
C-A-19-8	0.27	0.02	-0.01		
MAX	0.38	0.14	0.04		
MIN	0.27	-0.02	-0.08		
AVG	0.31	0.05	-0.01		
STD	0.04	0.05	0.04		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A150	
Description: Power Only C-A-20 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-20-1	0.26	0.03	0.03		
C-A-20-2	0.25	0.02	0.01		
C-A-20-3	0.27	0.02	0.03		
C-A-20-4	0.45	-0.16	-0.10		
C-A-20-5	0.37	-0.09	-0.03		
C-A-20-6	0.28	-0.02	-0.01		
C-A-20-7	0.25	0.01	0.02		
C-A-20-8	0.26	-0.01	0.04		
MAX	0.45	0.03	0.04		
MIN	0.25	-0.16	-0.10		
AVG	0.30	-0.03	0.00		
STD	0.07	0.07	0.05		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A151	
Description: Power Only C-A-21 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-21-1	0.25	0.03	0.00		
C-A-21-2	0.30	0.02	-0.03		
C-A-21-3	0.29	0.01	-0.02		
C-A-21-4	0.46	-0.11	-0.16		
C-A-21-5	0.40	-0.06	-0.10		
C-A-21-6	0.43	-0.11	-0.11		
C-A-21-7	0.33	-0.03	-0.05		
C-A-21-8	0.24	0.00	-0.02		
MAX	0.46	0.03	0.00		
MIN	0.24	-0.11	-0.16		
AVG	0.34	-0.03	-0.06		
STD	0.08	0.06	0.06		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A152	
Description: Power Only C-A-22 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-22-1	0.24	0.00	0.02		
C-A-22-2	0.28	0.00	0.02		
C-A-22-3	0.30	-0.01	-0.02		
C-A-22-4	0.24	0.02	0.05		
C-A-22-5	0.21	0.05	0.07		
C-A-22-6	0.26	0.03	0.05		
C-A-22-7	0.37	-0.10	-0.10		
C-A-22-8	0.23	0.03	0.05		
MAX	0.37	0.05	0.07		
MIN	0.21	-0.10	-0.10		
AVG	0.27	0.00	0.02		
STD	0.05	0.05	0.05		
Open	0	0	0		
Tech	S.Rath	JG	MAG		
Equip ID	244	1512	951R		
	1032	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A153	
Description: Power Only C-A-23 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-23-1	0.22	0.01	0.40		
C-A-23-2	0.27	0.07	0.28		
C-A-23-3	0.45	0.01	-0.09		
C-A-23-4	0.41	0.04	-0.02		
C-A-23-5	0.33	0.02	-0.05		
C-A-23-6	0.26	0.03	-0.01		
C-A-23-7	0.25	0.02	0.01		
C-A-23-8	0.26	0.01	0.01		
MAX	0.45	0.07	0.40		
MIN	0.22	0.01	-0.09		
AVG	0.31	0.02	0.07		
STD	0.08	0.02	0.17		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A154	
Description: Power Only C-A-24 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-24-1	0.24	0.00	0.03		
C-A-24-2	0.36	0.00	0.02		
C-A-24-3	0.52	0.05	-0.13		
C-A-24-4	0.46	-0.01	-0.01		
C-A-24-5	0.49	-0.10	-0.05		
C-A-24-6	0.28	0.08	0.01		
C-A-24-7	0.29	0.06	-0.02		
C-A-24-8	0.23	0.05	0.03		
MAX	0.52	0.08	0.03		
MIN	0.23	-0.10	-0.13		
AVG	0.36	0.01	-0.02		
STD	0.12	0.06	0.05		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A155	
Description: Power Only C-A-25 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	29Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-25-1	0.22	-0.01	0.00		
C-A-25-2	0.25	-0.01	-0.03		
C-A-25-3	0.26	0.04	-0.01		
C-A-25-4	0.27	0.00	-0.02		
C-A-25-5	0.26	0.07	-0.01		
C-A-25-6	0.28	0.07	0.00		
C-A-25-7	0.22	0.02	0.00		
C-A-25-8	0.21	0.02	-0.01		
MAX	0.28	0.07	0.00		
MIN	0.21	-0.01	-0.03		
AVG	0.25	0.02	-0.01		
STD	0.02	0.03	0.01		
Open	0	0	0		
Tech	JG	JG	MAG		
Equip ID	1512	1512	951R		
	295	295	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A156	
Description: Power Only C-A-26 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	30Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-26-1	0.28	-0.02	0.01		
C-A-26-2	0.29	0.00	0.03		
C-A-26-3	0.38	-0.04	-0.03		
C-A-26-4	0.30	-0.02	-0.01		
C-A-26-5	0.31	-0.01	0.00		
C-A-26-6	0.28	0.02	0.02		
C-A-26-7	0.29	0.03	0.00		
C-A-26-8	0.22	0.04	0.04		
MAX	0.38	0.04	0.04		
MIN	0.22	-0.04	-0.03		
AVG	0.29	0.00	0.01		
STD	0.04	0.03	0.02		
Open	0	0	0		
Tech	JG	BE	MAG		
Equip ID	1512	601	951R		
	295	677	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A157	
Description: Power Only C-A-27 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	30Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-27-1	0.23	0.05	0.02		
C-A-27-2	0.24	0.08	0.05		
C-A-27-3	0.39	-0.05	-0.07		
C-A-27-4	0.37	-0.04	-0.07		
C-A-27-5	0.34	0.01	-0.03		
C-A-27-6	0.32	0.12	0.05		
C-A-27-7	0.28	0.03	-0.03		
C-A-27-8	0.32	0.08	0.04		
MAX	0.39	0.12	0.05		
MIN	0.23	-0.05	-0.07		
AVG	0.31	0.03	0.00		
STD	0.06	0.06	0.05		
Open	0	0	0		
Tech	S.Rath	BE	S.Rath		
Equip ID	244	601	244		
	1032	677	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A158	
Description: Power Only C-A-28 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	30Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibration		
C-A-28-1	0.30	0.02	-0.03		
C-A-28-2	0.44	-0.02	-0.01		
C-A-28-3	0.48	-0.01	-0.15		
C-A-28-4	0.46	-0.05	-0.10		
C-A-28-5	0.32	-0.01	-0.05		
C-A-28-6	0.31	-0.03	-0.05		
C-A-28-7	0.30	-0.03	-0.01		
C-A-28-8	0.27	0.00	0.03		
MAX	0.48	0.02	0.03		
MIN	0.27	-0.05	-0.15		
AVG	0.36	-0.01	-0.05		
STD	0.09	0.02	0.06		
Open	0	0	0		
Tech	S.Rath	BE	S.Rath		
Equip ID	244	601	244		
	1032	677	1032		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A159	
Description: Power Only C-A-29 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	30Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-29-1	0.23	0.03	0.03		
C-A-29-2	0.24	0.04	0.01		
C-A-29-3	0.26	0.01	0.00		
C-A-29-4	0.31	-0.03	0.02		
C-A-29-5	0.26	0.01	0.02		
C-A-29-6	0.31	-0.04	0.02		
C-A-29-7	0.32	-0.01	0.03		
C-A-29-8	0.26	-0.02	0.46		
MAX	0.32	0.04	0.46		
MIN	0.23	-0.04	0.00		
AVG	0.27	0.00	0.07		
STD	0.03	0.03	0.16		
Open	0	0	0		
Tech	S.Rath	BE	MAG		
Equip ID	244	601	951R		
	1032	677	681		

		Low Level Contact Resistance			
Project:207512A				Spec: EIA 364, TP 23	
Customer: Samtec				Subgroup: Seq. C	
Product: Series MPTC/MPSC connector				File #.207512A160	
Description: Power Only C-A-30 Vertical					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	24	24	23		
R.H. %	29	29	20		
Date:	29Nov07	30Nov07	05Dec07		
Pos. ID	Initial	M-Shock	Vibe		
C-A-30-1	0.21	0.05	0.06		
C-A-30-2	0.16	0.11	0.11		
C-A-30-3	0.24	0.03	0.02		
C-A-30-4	0.24	0.09	0.17		
C-A-30-5	0.41	-0.08	-0.05		
C-A-30-6	0.33	-0.05	-0.04		
C-A-30-7	0.25	0.02	0.05		
C-A-30-8	0.29	0.01	0.01		
MAX	0.41	0.11	0.17		
MIN	0.16	-0.08	-0.05		
AVG	0.27	0.02	0.04		
STD	0.08	0.07	0.07		
Open	0	0	0		
Tech	S.Rath	BE	MAG		
Equip ID	244	601	951R		
	1032	677	681		

		Low Level Contact Resistance			
Project: 207855				Spec: EIA-364, TP23	
Customer: Samtec				Subgroup: Seqence C Gp A	
Product:Series MPT/MPS Connector				File #: 20785501	
Description: Power Contacts Right Angle					
Open circuit voltage:		20mv			Current:
			Delta values		
			units: milliohms		
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA-1-1	0.31	0.01	-0.07		
CA-1-2	0.35	-0.05	-0.10		
CA-1-3	0.51	-0.07	-0.18		
CA-1-4	0.28	0.01	-0.04		
CA-1-5	0.37	-0.08	-0.14		
CA-1-6	0.31	-0.04	-0.10		
CA-1-7	0.35	-0.06	-0.09		
CA-1-8	0.25	-0.02	-0.03		
CA2-1	0.69	-0.11	-0.40		
CA2-2	0.36	-0.04	-0.11		
CA2-3	0.46	-0.07	-0.17		
CA2-4	0.36	-0.02	-0.07		
CA2-5	0.34	-0.04	-0.10		
CA2-6	0.32	-0.01	-0.06		
CA2-7	0.37	-0.01	-0.10		
CA2-8	0.33	-0.01	0.00		
CA3-1	0.30	-0.02	-0.05		
CA3-2	0.30	0.04	-0.04		
CA3-3	0.29	0.00	-0.03		
CA3-4	0.29	-0.03	-0.08		
CA3-5	0.39	-0.03	-0.17		
CA3-6	0.30	-0.03	-0.09		
CA3-7	0.32	-0.03	-0.09		
CA3-8	0.22	0.04	0.01		
CA4-1	0.65	-0.18	-0.30		
CA4-2	0.58	-0.08	-0.28		
CA4-3	0.30	-0.01	-0.08		
CA4-4	0.29	-0.04	-0.06		

				File #: 20785501	
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA4-5	0.37	-0.02	-0.11		
CA4-6	0.27	0.00	-0.03		
CA4-7	0.32	-0.01	-0.06		
CA4-8	0.34	0.04	-0.04		
CA5-1	0.46	-0.15	-0.14		
CA5-2	0.44	0.02	-0.07		
CA5-3	0.29	0.02	-0.02		
CA5-4	0.27	0.02	-0.01		
CA5-5	0.40	-0.05	-0.09		
CA5-6	0.26	0.00	-0.01		
CA5-7	0.36	-0.02	0.04		
CA5-8	0.38	-0.06	-0.12		
CA6-1	0.49	-0.09	-0.15		
CA6-2	0.32	-0.01	-0.04		
CA6-3	0.29	-0.03	-0.07		
CA6-4	0.31	-0.05	-0.09		
CA6-5	0.37	-0.05	-0.07		
CA6-6	0.29	-0.03	-0.05		
CA6-7	0.31	-0.02	-0.07		
CA6-8	0.31	-0.03	-0.04		
CA7-1	0.29	0.01	-0.01		
CA7-2	0.36	0.04	-0.04		
CA7-3	0.36	-0.04	-0.11		
CA7-4	0.36	-0.05	-0.05		
CA7-5	0.34	-0.03	-0.04		
CA7-6	0.34	-0.03	-0.03		
CA7-7	0.42	-0.04	-0.03		
CA7-8	0.32	-0.02	-0.04		
CA8-1	0.31	0.02	-0.04		
CA8-2	0.31	-0.07	-0.06		
CA8-3	0.29	-0.06	-0.06		
CA8-4	0.37	-0.07	-0.10		
CA8-5	0.33	-0.03	-0.05		
CA8-6	0.48	-0.16	-0.23		
CA8-7	0.44	-0.12	-0.20		

				File #: 20785501	
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA8-8	0.39	-0.10	-0.13		
CA9-1	0.35	-0.03	-0.14		
CA9-2	0.41	-0.05	-0.15		
CA9-3	0.26	0.01	0.00		
CA9-4	0.26	-0.04	-0.06		
CA9-5	0.30	0.01	-0.04		
CA9-6	0.27	-0.01	-0.07		
CA9-7	0.36	-0.02	-0.15		
CA9-8	0.31	-0.01	-0.09		
CA10-1	0.36	-0.04	-0.13		
CA10-2	0.31	-0.03	-0.06		
CA10-3	0.35	-0.04	-0.06		
CA10-4	0.29	0.01	-0.05		
CA10-5	0.29	0.00	-0.06		
CA10-6	0.33	0.00	-0.04		
CA10-7	0.31	0.01	0.03		
CA10-8	0.33	0.00	-0.01		
CA11-1	0.29	0.01	-0.03		
CA11-2	0.43	-0.08	-0.22		
CA11-3	0.44	-0.07	-0.16		
CA11-4	0.27	-0.03	-0.05		
CA11-5	0.30	-0.02	-0.08		
CA11-6	0.32	-0.01	-0.07		
CA11-7	0.31	0.03	-0.06		
CA11-8	0.30	-0.02	-0.09		
CA12-1	0.38	0.00	0.01		
CA12-2	0.39	-0.06	-0.06		
CA12-3	0.33	-0.01	-0.03		
CA12-4	0.35	0.01	-0.07		
CA12-5	0.29	0.00	-0.01		
CA12-6	0.31	-0.02	-0.04		
CA12-7	0.32	-0.04	-0.04		
CA12-8	0.32	0.00	-0.06		
CA13-1	0.28	0.03	-0.04		
CA13-2	0.28	-0.03	-0.07		
CA13-3	0.37	-0.04	-0.14		

				File #: 20785501	
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA13-4	0.29	-0.05	-0.08		
CA13-5	0.32	-0.03	-0.08		
CA13-6	0.29	0.02	-0.06		
CA13-7	0.27	0.01	-0.05		
CA13-8	0.31	0.02	-0.05		
CA14-1	0.27	0.05	-0.01		
CA14-2	0.26	0.00	-0.04		
CA14-3	0.30	-0.01	-0.06		
CA14-4	0.28	-0.05	-0.06		
CA14-5	0.24	-0.01	-0.01		
CA14-6	0.32	-0.02	-0.05		
CA14-7	0.34	-0.02	-0.07		
CA14-8	0.34	-0.02	-0.06		
CA15-1	0.41	-0.07	-0.14		
CA15-2	0.32	0.00	-0.07		
CA15-3	0.34	-0.04	-0.14		
CA15-4	0.31	-0.02	-0.07		
CA15-5	0.40	-0.09	-0.15		
CA15-6	0.34	-0.05	-0.08		
CA15-7	0.29	0.00	-0.04		
CA15-8	0.37	-0.03	-0.07		
CA16-1	0.34	0.02	-0.04		
CA16-2	0.28	0.02	-0.07		
CA16-3	0.40	-0.02	-0.12		
CA16-4	0.34	0.01	-0.03		
CA16-5	0.29	-0.01	-0.06		
CA16-6	0.27	0.01	-0.03		
CA16-7	0.29	-0.01	-0.04		
CA16-8	0.27	-0.02	-0.04		
CA17-1	0.36	-0.01	-0.03		
CA17-2	0.31	0.00	-0.05		
CA17-3	0.30	-0.05	-0.09		
CA17-4	0.36	-0.03	-0.09		
CA17-5	0.32	-0.02	-0.08		
CA17-6	0.30	0.01	-0.07		
CA17-7	0.27	-0.01	0.01		

				File #: 20785501	
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA17-8	0.29	0.00	0.01		
CA18-1	0.37	-0.04	-0.13		
CA18-2	0.36	-0.01	-0.11		
CA18-3	0.35	-0.07	-0.08		
CA18-4	0.39	0.05	-0.04		
CA18-5	0.44	0.05	-0.08		
CA18-6	0.27	-0.03	-0.05		
CA18-7	0.31	-0.04	-0.06		
CA18-8	0.31	-0.02	-0.02		
CA19-1	0.23	0.05	0.02		
CA19-2	0.27	0.11	0.01		
CA19-3	0.30	0.05	-0.01		
CA19-4	0.34	-0.06	-0.07		
CA19-5	0.26	0.04	0.01		
CA19-6	0.27	0.00	-0.04		
CA19-7	0.28	-0.01	-0.04		
CA19-8	0.25	0.01	0.00		
CA20-1	0.30	-0.02	-0.04		
CA20-2	0.27	0.01	-0.02		
CA20-3	0.28	0.02	0.01		
CA20-4	0.28	0.05	0.01		
CA20-5	0.26	0.03	0.02		
CA20-6	0.25	0.01	-0.01		
CA20-7	0.28	0.01	0.04		
CA20-8	0.25	0.02	-0.02		
CA21-1	0.36	0.01	-0.09		
CA21-2	0.43	-0.13	-0.09		
CA21-3	0.27	-0.02	-0.06		
CA21-4	0.30	-0.06	-0.07		
CA21-5	0.25	-0.03	-0.05		
CA21-6	0.29	-0.02	-0.07		
CA21-7	0.31	0.01	-0.06		
CA21-8	0.31	-0.03	-0.02		
CA22-1	0.33	0.04	-0.07		
CA22-2	0.36	-0.05	-0.07		
CA22-3	0.29	0.02	-0.03		
CA22-4	0.34	0.06	-0.07		

				File #: 20785501	
Temp ºC	23	22	22		
R.H. %	16	23	28		
Date:	03Jan08	07Jan08	08Jan08		
Pos. ID	Initial	M.Shock	Vib		
CA22-5	0.28	-0.01	-0.05		
CA22-6	0.33	-0.04	-0.08		
CA22-7	0.28	-0.01	-0.04		
CA22-8	0.31	0.01	-0.06		
CA23-1	0.34	-0.02	-0.01		
CA23-2	0.35	-0.01	-0.05		
CA23-3	0.37	-0.04	-0.07		
CA23-4	0.29	-0.01	0.03		
CA23-5	0.27	0.04	-0.02		
CA23-6	0.42	-0.03	-0.07		
CA23-7	0.60	-0.16	-0.25		
CA23-8	0.34	0.02	-0.03		
CA24-1	0.36	-0.04	-0.07		
CA24-2	0.29	-0.03	-0.02		
CA24-3	0.33	-0.06	-0.05		
CA24-4	0.32	-0.03	-0.09		
CA24-5	0.39	-0.07	-0.09		
CA24-6	0.37	-0.01	-0.03		
CA24-7	0.34	-0.03	-0.07		
CA24-8	0.32	0.01	0.04		
CA25-1	0.37	-0.10	-0.13		
CA25-2	0.29	-0.03	-0.06		
CA25-3	0.33	-0.09	-0.12		
CA25-4	0.30	-0.06	-0.08		
CA25-5	0.27	-0.03	-0.04		
CA25-6	0.38	-0.07	-0.11		
CA25-7	0.33	-0.05	-0.07		
CA25-8	0.30	-0.01	-0.03		
MAX	0.69	0.11	0.04		
MIN	0.22	-0.18	-0.40		
AVG	0.33	-0.02	-0.07		
STD	0.07	0.04	0.06		
Open	0	0	0		
Tech	DAM	DAM	DAM		
Equip ID	323	323	323		
	297	297	297		

TEST RESULTS

SEQUENCE D

Group A

MPTC/MPSC Series
MPT/MPS Series

PROJECT NO.: 207512A SPECIFICATION: MPX-VT Test Plan

PART NO.: See page 4 PART DESCRIPTION: See page 4

SAMPLE SIZE: 3 pairs/type TECHNICIAN: MOB

START DATE: 11/28/07 COMPLETE DATE: 1/4/08

ROOM AMBIENT: 24°C RELATIVE HUMIDITY: 18%

EQUIPMENT ID#: 545, 553, 684, 1166, 1167, 1168, 1169, 1271, 1272

MECHANICAL SHOCK (SPECIFIED PULSE)

PURPOSE:

To determine the mechanical and electrical integrity of connectors for use with electronic equipment subjected to shocks such as those expected from handling, transportation, etc.

PROCEDURE:

1. The test was performed in accordance with EIA 364, Test Procedure 27.

2. Test Conditions:

   a) Peak Value : 100 G
   b) Duration : 6 Milliseconds
   c) Wave Form : Half-Sine
   d) Velocity : 12.3 feet Per Second
   e) No. of Shocks : 3 Shocks/Direction, 3 Axis (18 Total)

3. A stabilizing medium was used such that the mated test samples did not separate during the test.

4. Figure #’s 3 through 6 illustrates the test sample fixturing utilized during the test.

5. The samples were characterized to determine nanosecond event requirement. Following characterization the requirement level was established at 50 nanoseconds.

6. The low nanosecond monitoring was performed in accordance with EIA 364, Test Procedure 87.

REQUIREMENTS: See next page.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. There shall be no low nanosecond event detected greater than 50 nanoseconds.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

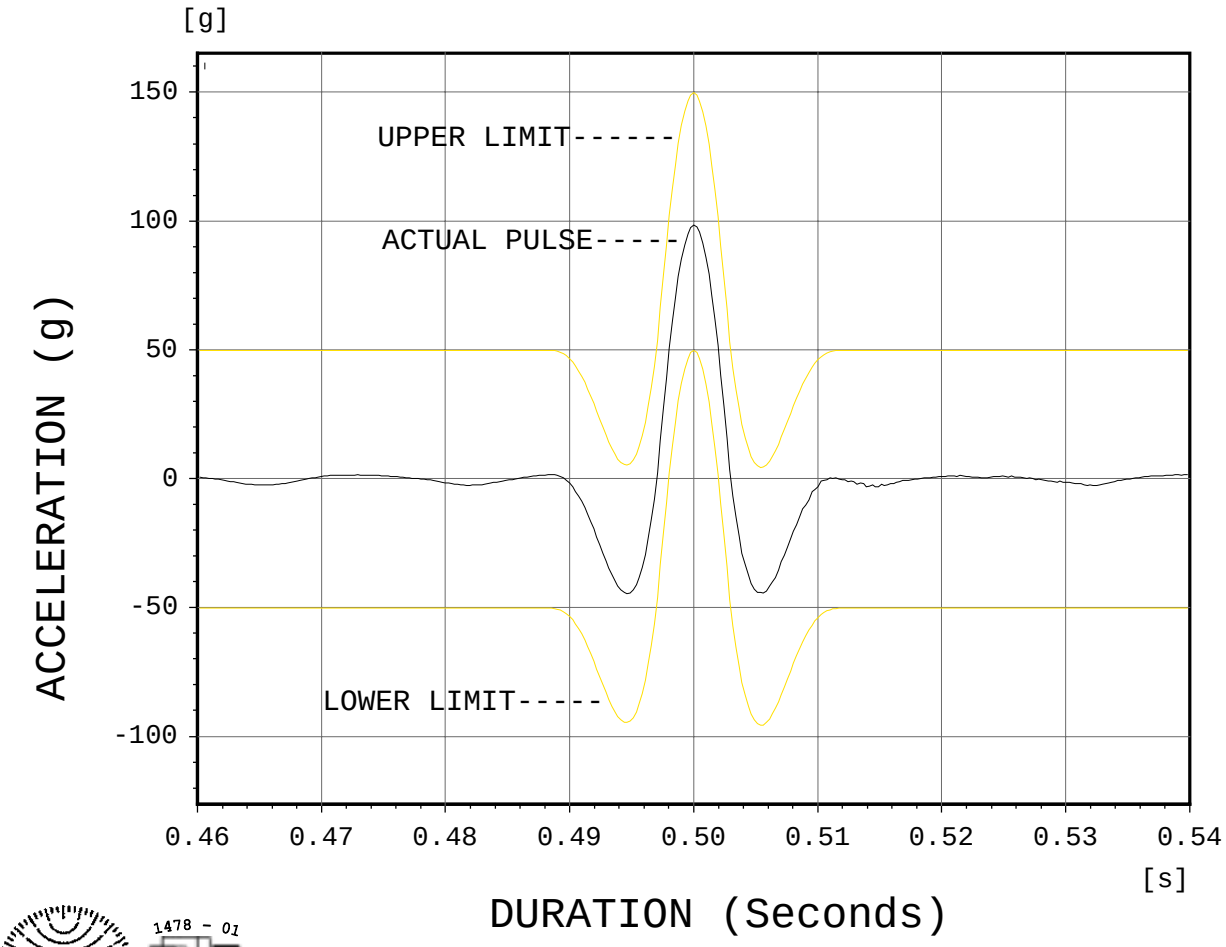
2. There was no low nanosecond event detected greater than 50 nanoseconds.

3. The Mechanical Shock characteristics are shown in Figures #11 (Calibration Pulse) and #12 (Test Pulse). Each figure displays the shock pulse contained within the upper and lower limits as defined by the appropriate test specification.

FIGURE #11

Classical Shock

Channel 1

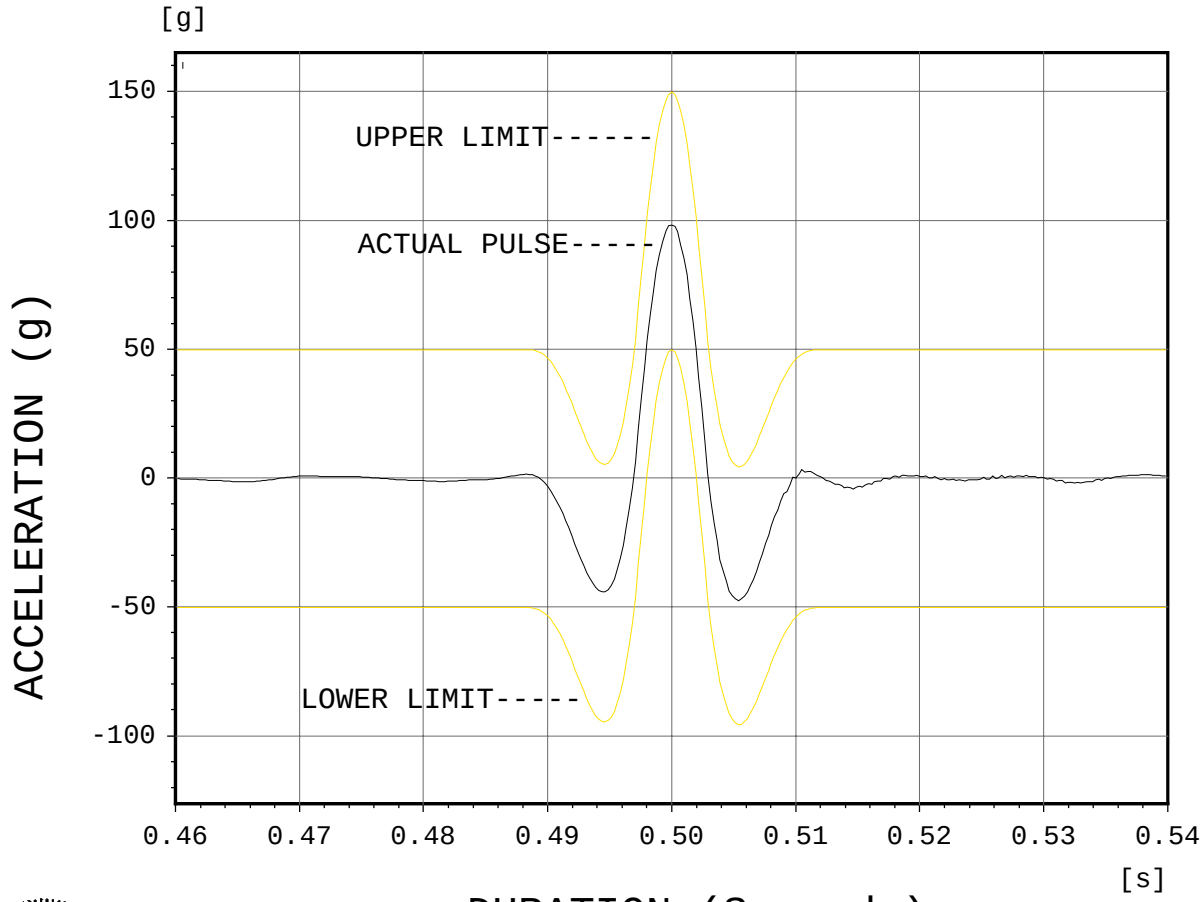


Project 207512
Samtec
100G's 6ms
Halfsine
Cal Wave 1
11-28-07
Tech:S-R

FIGURE #12

Classical Shock

Channel 1



Project 207512
Samtec
100G's 6ms
Halfsine
Actual Wave 1
11-28-07
Tech:S-R

PROJECT NO.: 207512A	SPECIFICATION: MPX-VT Test Plan
PART NO.: see page 4	PART DESCRIPTION: see page 4
SAMPLE SIZE: 3 pairs/type	TECHNICIAN: MOB, DAM
START DATE: 12/3/07	COMPLETE DATE: 1/8/07
ROOM AMBIENT: 23°C	RELATIVE HUMIDITY: 200%
EQUIPMENT ID#: 545, 553, 619, 1121, 1125, 1166, 1167, 1168, 1169, 1219, 1271, 1272	

VIBRATION, RANDOM

PURPOSE:

1. To establish the mechanical integrity of the test samples exposed to external mechanical stresses.

2. To determine if the contact system is susceptible to fretting corrosion.

3. To determine if electrical discontinuities at the level specified exist.

PROCEDURE:

1. The test was performed in accordance with Specification EIA 364, Test Procedure 28, Test Condition V, Letter B.

2. Test Conditions:

   a) G 'RMS' : 7.56
   b) Frequency : 50 to 2000 Hz
   c) Duration : 2.0 Hours per Axis, 3 Axis Total
   d) Test Current : 100 mA

3. A stabilizing medium was used such that the mated test samples did not separate during the test.

4. Figure #3 through #6 illustrates the test sample fixturing utilized during the test.

-continued on next page.

PROCEDURE:-continued

5. The samples were characterized prior to test to determine nanosecond event requirement. Following characterization the requirement level was established at 50 nanoseconds.

6. The low nanosecond monitoring was performed in accordance with EIA 364, Test Procedure 87.

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.

2. There shall be no low nanosecond event detected greater than 50 nanoseconds.

RESULTS:

1. There was no evidence of physical damage to the test samples as tested.

2. There was no low nanosecond event detected greater than 50 nanoseconds.