smiths interconnect

Test Report

Qualification of 102197 Probe Interposers

Test Report # 2025-09-061(B) Revision A

Revision Letter	Page Number	Paragraph /Appendix	Description of Revision	ApprovalDate
A	-	-	Original Release	9 February 2026

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1 Scope

The purpose of this document is to define the test samples, test sequence, and test methods required for qualification of the Smiths Interconnect 102197 Probe Interposers Interposers.

2 Order of Precedence

In case of a conflict between the text of this document and the applicable referenced documents, the text of this document shall take precedence.

3 Description of Test Articles

Part number, quantity, and a general description of the test articles to be tested to the requirements of this document are seen in Table 1 below.

Table 1: Description of Test Articles

Smiths Interconnect TLA Part Number	Qty.	Description	DUT #
806-5055700-008	3	102197 Spring Probe in Custom Interposers, 400 Pin, 10 x 40, Spring Probe, 3.27 mm board to board height.	7, 8, 9
806-5055700-009	3	102197 Spring Probe in Custom Interposers, 400 Pin, 10 x 40, Spring Probe, 20 mm board to board height	10, 11, 12

4 Standard Ambient Test Conditions

All tests and examinations specified by this qualification test procedure will continue under any combination of conditions within the ranges stated in this paragraph, unless specified otherwise.

Temperature:	15°C to 35°C
Relative Humidity:	20% to 80%
Barometric Pressure:	860 hPa to 1060 hPa

5 References

Military Specifications

MIL-DTL-55302	Connectors, Printed Circuit Subassembly and Accessories
MIL-STD-202	Department of Defense Test Method Standard, Method 307, for Contact Resistance

Electronic Industries Alliance (EIA)

EIA-364-06	Contact Resistance Test Procedure for Electrical Connectors
EIA-364-18	Visual and Dimensional Inspection Test Procedure for Electrical Connectors and Sockets
EIA-364-20	Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts
EIA-364-21	Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts
EIA-364-23	Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets
EIA-364-27	Mechanical Shock (Specified Pulse) Test Procedure of Electrical Connectors and Sockets
EIA-364-28	Vibration Test Procedure for Electrical Connectors and Sockets
EIA-364-31	Humidity Test Procedure for Electrical Connectors and Sockets
EIA-364-32	Thermal Shock (Temperature Cycling) Test Procedure for Electrical Connectors and Sockets

Smiths Interconnect

GP08-018	Control of Measurement and Monitoring Resources Revision E

6 Test Equipment and Facilities

6.1 Test Equipment

The test data sheets in Appendix B list the equipment used during the performance of each specific test. All the test equipment used in this qualification is listed in .

Table 2 below, and the fixtures used are listed in Table 3 below.

Table 2: Test Equipment

Type	Mfr & Model #	Smiths I.D. #	Cal. Due Date
Microscope	Vision Engineering - EVOCAM	10037	N/A
Thermometer	Extech Instruments - SD700	35-919	5/8/2026
Thermometer	Excursion-Trac - 6453	35-940	7/30/2026
Force Gauge	Mark-10 & BG50	10-455	7/17/2026
Power Supply	Kepco & ABC10-10DM	35-928	8/18/2026
Power Supply	Keysight & E36106B	35-936	8/14/2026
Multimeter	Keithley - 2700	35-904	1/17/2026
Multimeter	Keithley - DMM6500	35-1000	8/21/2026
HiPot	Associated Research - 7800	35-901	7/17/2026
Pressure Transducer	Omega - PX409-015AUSBH	30-776	10/17/2025

Vibration Controller	Unholtz-Dickie – Apex SL	35-911	8/19/2026
Control Accelerometer	PCB Piezotronics	30-773	6/3/2026
Shaker	Unholtz-Dickie - H560B-12/PB	11626	N/A
Discontinuity Meter	Analysis Tech - 32EHD	35-918	1/16/2026
Thermal Shock Chamber	Espec - TSD-101	11686	9/2/2026
Humidity Chamber	Espec - EPX-3H	23255	9/3/2026

Table 3: Fixtures & PCBs

Smiths P/N	Description
999-5056100	Top PCB (Electrical)
999-5056101	Bottom PCB (Electrical)
999-5056102	Top PCB (Vibration & Shock)
999-5056103	Bottom PCB (Vibration & Shock)
999-5056114	Vibration/Shock Plate (modified)
999-0019578	Vibration/Shock Plate (modified)

6.2 Facilities

Smiths Interconnect may use its own facilities or any commercial laboratory that is approved internally, unless otherwise specified.

Testing was completed at:

Smiths Interconnect

2001 NE 46th Street, Suite 188

Kansas City, MO 64116 USA

7 Calibration

All test equipment used in the performance of the tests required herein have been calibrated in accordance with internal procedures. Unless otherwise specified, Smiths Interconnect Quality Assurance will verify that all test data and collection methods are accurate and reliable.

8 Executive Summary

All contact part numbers tested under this qualification test procedure passed the requirements within.

9 Test Sequence

All connector samples will go through Subgroup 1. One-third of all connector samples will go through Subgroup 2. One-third of all connector samples will go through Subgroup 3. The qualification test requirements and sequence are shown below in Table 4 below.

Table 4: Test Sequence

Test Procedure	Paragraph Reference	Pass/Fail Criteria	
Subgroup 1 – All DUT #s (All Connector Samples)		**Pass/Fail Criteria**	**Pass/Fail**
Visual and Mechanical	10.1	Free from defects, meet drawing requirements, contacts move freely	Pass
Mating and Unmating	10.2	No damage to contacts	Pass
Contact Resistance	10.3	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Low Level Contact Resistance	10.4	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Dielectric Withstanding Voltage	10.5	< 5 mA Leakage current @ 750 VDC	Pass
Insulation Resistance	10.6	≥ 5,000 MΩ @ 250 VDC	Pass

Visual and Mechanical	0	Free from defects, meet drawing requirements, contacts move freely	Pass
Subgroup 2 – DUTs #7, #10 (1/3 of Connector Samples)		**Pass/Fail Criteria**	
Dielectric Withstand Voltage at High Altitude (70,000 ft.)	11.1	< 5 mA Leakage current @ 300 VAC	Pass
Mating and Unmating	11.2	No damage to contacts	Pass
Low Level Contact Resistance	11.3	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Vibration	11.4	No discontinuities ≥ 1 ns	Pass
Shock (specified pulse)	11.5	No discontinuities ≥ 1 ns.	Pass
Low Level Contact Resistance	11.6	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Contact Resistance	11.7	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Dielectric Withstand Voltage	11.8	< 5 mA Leakage current @ 750 VDC	Pass
Insulation Resistance	11.9	≥ 5,000 MΩ @ 250 VDC	Pass
Visual and Mechanical	11.10	Free from defects, meet drawing requirements, contacts move freely	Pass

Subgroup 3 – DUTs #8, #11 (1/3 of Connector Samples)		Pass/Fail Criteria	
Thermal Shock	12.1	5 cycles, -55°C to +165°C (30 min. dwell at each temperature extreme)	Pass
Low Level Contact Resistance	12.2	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Dielectric Withstand Voltage	12.3	< 5 mA Leakage current @ 750 VDC	Pass
Insulation Resistance	12.4	≥ 5,000 MΩ @ 250 VDC	Pass
Mating and Unmating	12.5	No damage to contacts	Pass
Humidity	12.6	Insulation resistance ≥ 1 MΩ after step 6 of the final cycle	Pass
Low Level Contact Resistance	12.7	< 50 mΩ (Short) & < 75 mΩ (Long)	Pass
Insulation Resistance	12.8	≥ 5,000 MΩ @ 250 VDC	Pass
Visual and Mechanical	12.9	Free from defects, meet drawing requirements, contacts move freely	Pass

10 Test Procedures – (Subgroup 1)

10.1 Visual and Mechanical

Requirements:

The contacts will be examined per EIA-364-18 to verify they meet the following workmanship requirements: Contacts shall be processed in such a manner as to be uniform in quality and shall be free from burrs, crazing, cracks, voids, pimples, chips, blisters, pinholes, sharp cutting edges, and other defects that will adversely affect life, serviceability, or appearance.

The configuration and physical dimensions shall be as specified in Appendix A – Connector Drawing. Additionally, contacts must move freely.

Maximum inspection magnification shall be 10x. If an observation of a feature at maximum inspection magnification is unclear, magnification may be increased on that specific feature to a maximum of 30x to referee the observation in question.

10.2 Mating and Unmating

Requirements:

Full compression of the contact plunger in the following manner:

Shorter contact plunger side to be compressed to housing, mated to the bottom PCB (999-5056101), followed by longer contact plunger side to the interposer housing plane on the connector three times (3x).

Shall not degrade or damage contact function and shall not result in damage of primary plating on the printed board. Visual inspection for contact damage (evidence of any contact tilt, end of individual contact plunger below or above other contact plungers, etc.).

10.3 Contact Resistance

Requirements:

When tested in accordance with the test procedure MIL-STD-202, Method 307, in the fully mated state, contact resistance shall be less than 50 mΩ for the shorter interposer 806-5055700-008. For the longer interposer 806-5055700-009, the contact resistance shall be less than 75 mΩ. Measure individually across a minimum of seven contacts per test sample. The following details shall apply:

a. Method of connection – Attach current-voltage leads at connection pads on the PCB
b. 4 A DC maximum test current

10.4 Low Level Contact Resistance

Requirements:

When tested in accordance with the test procedure EIA-364-23, in the fully mated state, contact resistance shall be less than 50 mΩ for the shorter interposer 806-5055700-008. For the longer interposer 806-5055700-009, the contact resistance shall be less than 75 mΩ. Measure individually across a minimum of seven contacts per test sample, the following details shall apply:

a. Method of connection - Attach current-voltage leads at connection pads on the PCB
b. 100 mA DC maximum test current

10.5 Dielectric Withstanding Voltage

Requirements:

When tested in accordance with test procedure EIA-364-20 with the specifications below, there shall be no evidence of breakdown or flashover and a leakage current of no more than 5 mA.

a. Contacts mated between pair of PCBs
b. 750 VDC test voltage
c. Points of application per
d. Figure 1 below
e. Testing to be performed at atmospheric conditions equivalent to an altitude range of sea level to 1000 feet above sea level

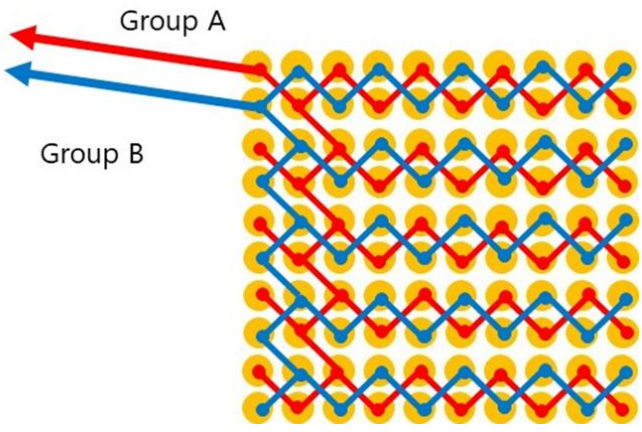


Figure 1: DWV & IR Wiring Illustration for a 100-Way Array

10.6 Insulation Resistance

Requirements:

When tested in accordance with the test procedure EIA-364-21, in the fully mated state, the insulation resistance shall be 5,000 MΩ minimum when tested at 250 VDC. Points of application can be seen in

Figure 1 above.

10.7 Visual & Mechanical

Requirements:

Per Section 10.1.

11 Test Procedures – (Subgroup 2)

11.1 Dielectric Withstand Voltage (At High Altitude)

Mated interposers shall be tested in accordance with test procedure EIA-364-20.

The following details and exceptions shall apply:

a. Preparation - Mated and mounted to the PCBs
b. Test voltage will be raised to 300 VAC and applied for 1 minute minimum
c. Voltage rate should not exceed 500 Volts/second
d. Points of application of test voltage – See
e. Figure 1 on the previous page
f. Method of connection of test voltage to DUT - Affix test probes to terminations by clips or solder
g. Test condition IV, 33 mm of mercury maximum. (70,000 ft. equivalent)

Requirements:

There shall be a maximum leakage current of no more than 5.0 mA and no occurrence of disruptive discharge (arcing).

11.2 Mating & Unmating

Requirements:

Per Section 10.2.

11.3 Low Level Contact Resistance

Requirements:

Per Section 10.4.

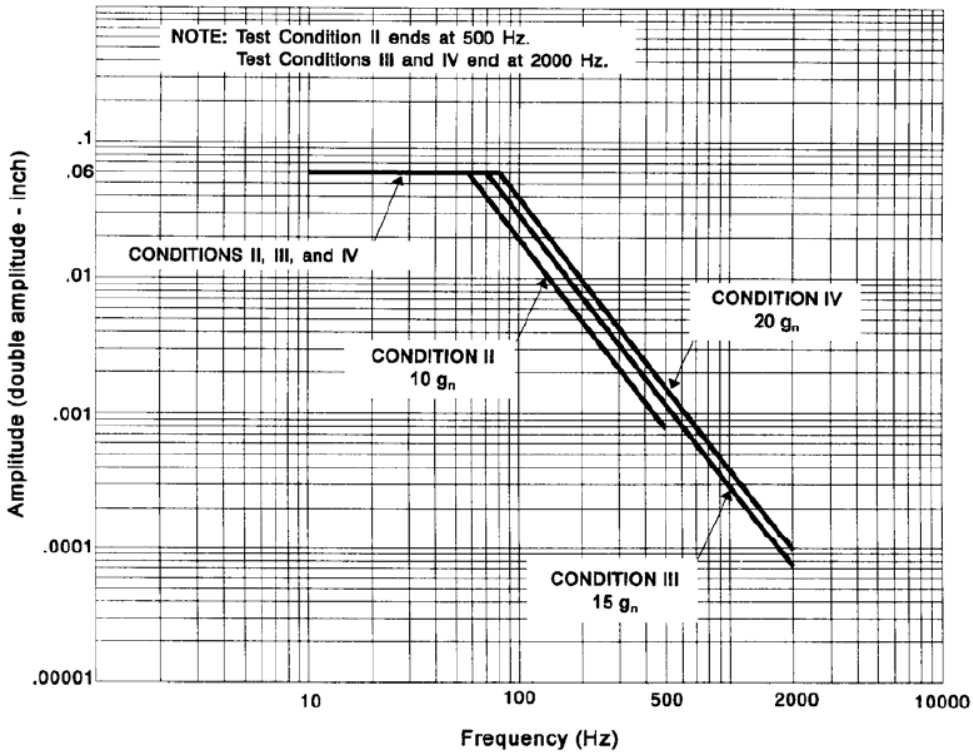
11.4 Vibration

Requirements:

Vibration shall be tested per EIA-364-28, Test Condition IV. The test samples shall be fully mated between a pair of PCBs. The test specimens shall be subjected to a sine sweep with a maximum of 20 g peak as shown in Figure 2.

Test frequency shall be between 10 Hz to 2,000 Hz, with a sweep (10 Hz to 2,000 Hz and back to 10 Hz) time of 20 minutes. This cycle shall be performed 12 times in each of three mutually perpendicular directions (total of 36 times), so that the motion shall be applied for a total period of 12 hours.

An electrical load of 100 mA maximum shall be applied with a detector capable of detecting a discontinuity of 1 nanosecond or longer. There shall be no discontinuities detected.



NOTE: $g = 0.0512f^2 DA$ (f = frequency in hertz, DA = double amplitude in inches)

Figure 2: Vibration Test Curves

11.5 Shock (Specified Pulse)

Requirements:

Shock shall be tested per EIA-364-27, Test Condition G. The test samples shall be fully mated between a pair of PCBs. Test specimens shall be subjected to a sawtooth shock pulse that has a peak acceleration of 100 g. There shall be one blow applied for each positive and negative direction along each of 3 mutually perpendicular axes for a total of 6 shocks per DUT.

An electrical load of 100 mA maximum shall be applied with a detector capable of detecting a discontinuity of 1 nanosecond or longer. There shall be no discontinuities detected.

11.6 Low Level Contact Resistance

Requirements:

Per Section 10.4

11.7 Contact Resistance

Requirements:

Per Section 10.3

11.8 Dielectric Withstand Voltage

Requirements:

Per Section 10.5

11.9 Insulation Resistance

Requirements:

Per Section 10.6

11.10 Visual & Mechanical

Requirements:

Per Section 10.1

12 Test Procedures – (Subgroup 3)

12.1 Thermal Shock

Requirements:

Contacts are to be tested in accordance with test procedure EIA-364-32, with the following specifications:

a. Test in fully mated condition between pair of PCBs
b. Method A, test condition I, 5 cycles - except that the minimum temperature shall be -55°C, and the maximum temperature shall be +165°C

Since the DUTs weigh less than 136 grams, a time of 30 minutes at each temperature extreme will be used, per Table 2 from the EIA-364-32 specification.

12.2 Low Level Contact Resistance

Requirements:

Per Section 10.4

12.3 Dielectric Withstand Voltage

Requirements:

Per Section 10.5

12.4 Insulation Resistance

Requirements:

Per Section 10.6

12.5 Mating & Unmating

Requirements:

Per Section 10.2

12.6 Humidity

Requirements:

Contacts are to be tested in accordance with test procedure EIA-364-31, with the specifications below:

a. Test method IV
b. Mated between PCBs that are conformally coated or protected, except mating pads
c. Loading voltage 100 VDC
d. Insulation resistance to be measured prior to humidity testing and after step 7 of the 10th cycle to compare results. Testing shall be in accordance with 10.6, except the minimum threshold is to be 1 MΩ measured after the removal of moisture from the connector.

The humidity test sequence will consist of the following steps:

Step 1 - 24 hours @ 50 °C – (Conditioning Phase)

Step 2 – 2.5 hours to transition from 25 °C to 65° C

Step 3 – 3 hours @ 65 °C

Step 4 – 2.5 hours to transition from 65 °C to 25 °C

Step 5 – 2.5 hours to transition from 25 °C to 65 °C

Step 6 – 3 hours @ 65 °C

Step 7 – 2.5 hours to transition from 65 °C to 25 °C

Step 8 – 8 hours @ 25 °C

After going through steps 1-8, repeat steps 2-8 nine more times so that steps 2-8 have been performed 10 times total. After step 7 of the tenth cycle, take final IR measurements.

12.7 Low Level Contact Resistance

Requirements:

Per Section 10.4

12.8 Insulation Resistance

Requirements:

Per Section 10.6

12.9 Visual & Mechanical

Requirements:

Per Section 10.1

Appendix A – Connector Drawing

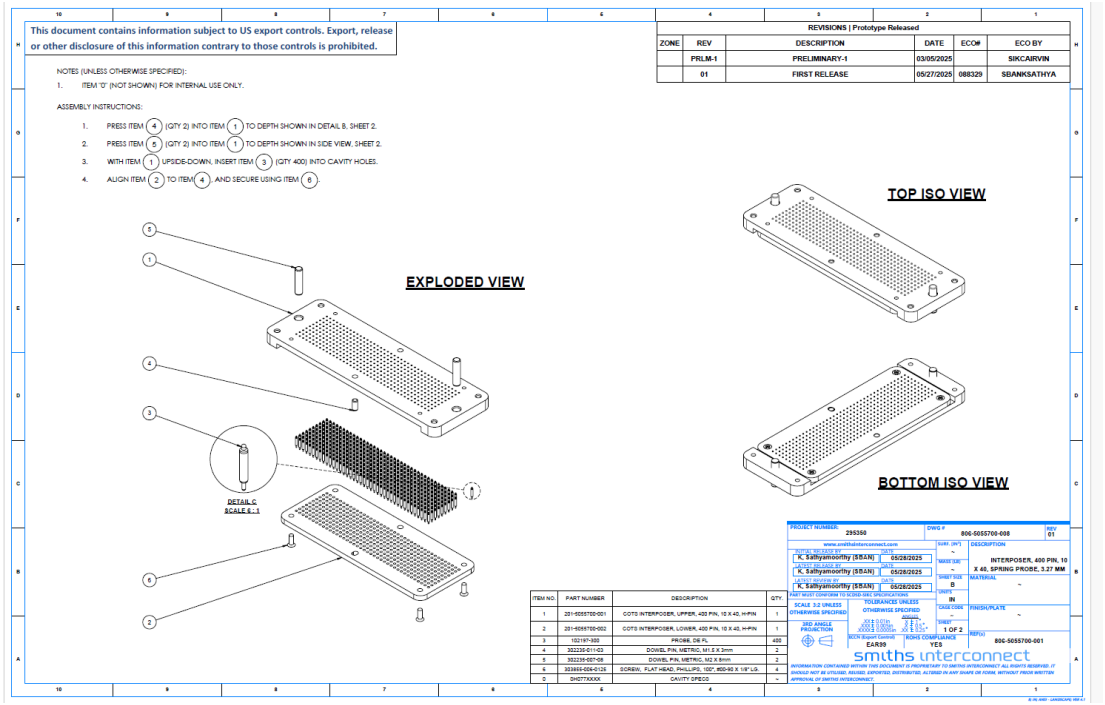


Figure 3: 806-5055700-008 Drawing (Sheet #1)

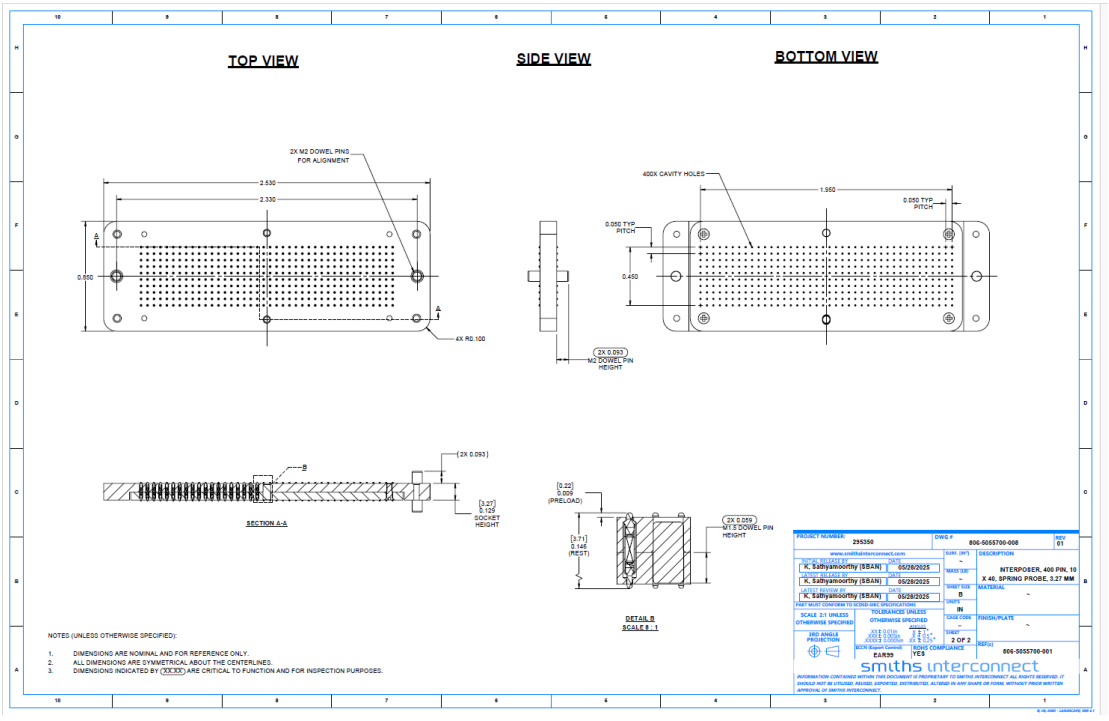


Figure 4: 806-5055700-008 Drawing (Sheet #2)

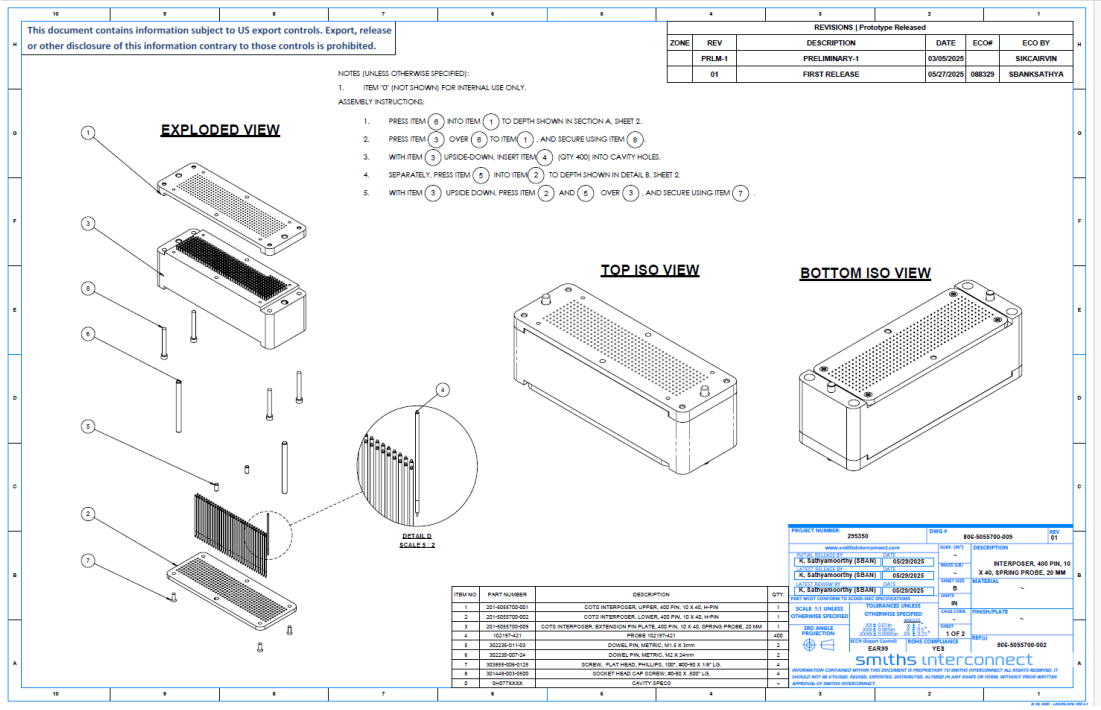


Figure 5: 806-5055700-009 Drawing (Sheet #1)

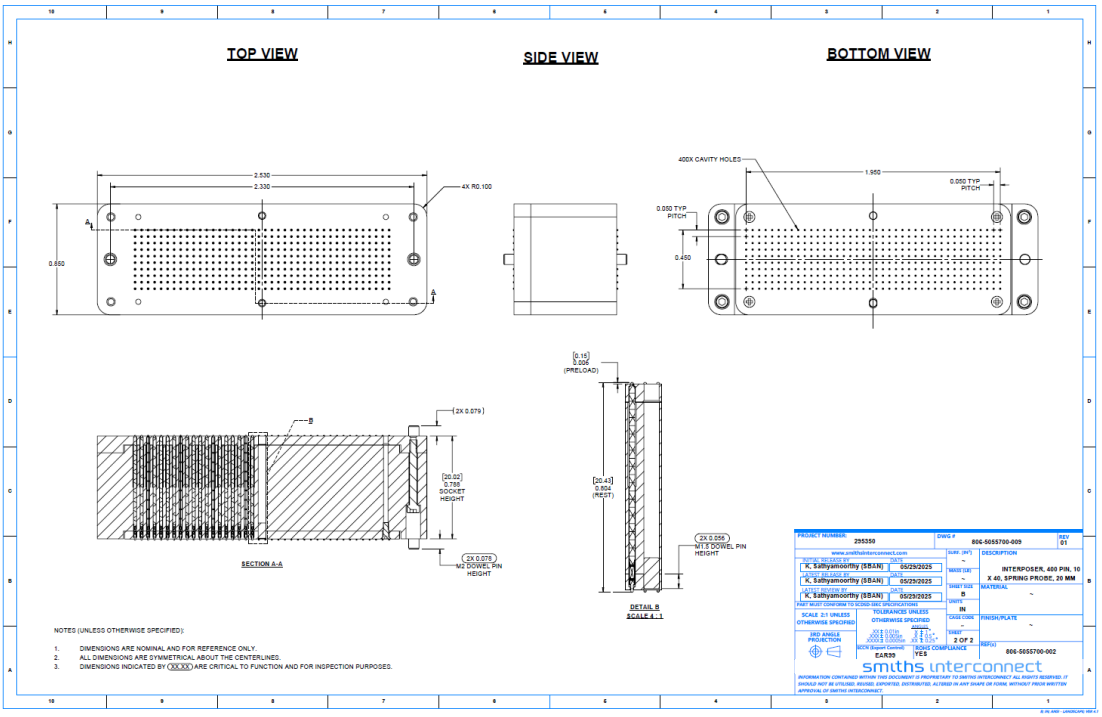


Figure 6: 806-5055700-009 Drawing (Sheet #2)

Appendix B – Test Data Sheets

Visual & Mechanical (Section 10.1) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/24/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Microscope; Vision Engineering model EVOCAM; N/A; N/A; For Reference Only		

Requirements:

Free from defects, meet drawing requirements, contacts move freely

Visual & Mechanical		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Mating & Unmating (Section 10.2) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/24/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-13	
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Force Guage; Mark-10 model BG50; I.D. No 10-455; Cal. Due 17 July 2026		

Requirements:

No damage to contacts

Mating & Unmating		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Contact Resistance (Section 10.3) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/25/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-06
Temp: 21.4 °C	**Relative Humidity:** 60.8 %	**Barometric Press:** 984.0 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Kepco model ABC10-10DM; I.D. No 35-928; Cal. Due 18 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500, I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 4A

< 75 mΩ for 806-505700-009 – when tested with a source current of 4A

Contact Resistance		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES: *More detailed results on the following page*

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Contact Resistance			
DUT #	P/N	Contact #	Resistance (mΩ)
7	806-5055700-008	387	38.34
	-	380	35.89
	-	370	38.74
	-	1	35.83
	-	17	35.33
	-	27	35.54
	-	400	29.90
8	806-5055700-008	387	45.40
	-	380	37.20
	-	370	37.16
	-	1	43.83
	-	17	44.83
	-	27	33.64
	-	400	31.94
9	806-5055700-008	387	37.34
	-	380	42.02
	-	370	40.99
	-	1	36.74
	-	17	41.17
	-	27	35.16
	-	400	32.83
10	806-5055700-009	387	40.17
	-	380	36.14
	-	370	38.00
	-	1	34.22
	-	17	32.41
	-	27	34.18
	-	400	34.99
11	806-5055700-009	387	34.13
	-	380	39.27
	-	370	36.61
	-	1	34.83
	-	17	39.05
	-	27	38.34
	-	400	38.66
12	806-5055700-009	387	38.41
	-	380	37.44
	-	370	34.00
	-	1	33.46
	-	17	37.87
	-	27	49.77
	-	400	35.02

Low Level Contact Resistance (Section 10.4) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/25/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-23
Temp: 21.4 °C	**Relative Humidity:** 60.8 %	**Barometric Press:** 984.0 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Keysight model E36106B; I.D. No 35-936; Cal. Due 14 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 100mA

< 75 mΩ for 806-505700-009 – when tested with a source current of 100mA

Low Level Contact Resistance		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES: *More detailed results on the following page*

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Low Level Contact Resistance			
DUT #	P/N	Contact #	Resistance (mΩ)
7	806-5055700-008	387	44.21
	-	380	39.11
	-	370	42.31
	-	1	35.42
	-	17	38.18
	-	27	38.73
	-	400	32.69
8	806-5055700-008	387	48.01
	-	380	39.52
	-	370	38.16
	-	1	46.28
	-	17	46.34
	-	27	34.65
	-	400	34.00
9	806-5055700-008	387	37.04
	-	380	43.10
	-	370	42.68
	-	1	38.02
	-	17	41.16
	-	27	34.91
	-	400	33.71
10	806-5055700-009	387	39.41
	-	380	37.59
	-	370	39.20
	-	1	34.39
	-	17	34.66
	-	27	37.24
	-	400	33.49
11	806-5055700-009	387	36.92
	-	380	39.39
	-	370	35.93
	-	1	36.97
	-	17	39.16
	-	27	39.11
	-	400	40.42
12	806-5055700-009	387	40.62
	-	380	36.37
	-	370	35.68
	-	1	33.32
	-	17	34.92
	-	27	49.92
	-	400	37.61

Dielectric Withstand Voltage (Section 10.5) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/30/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-20	
Temp: 21.5 °C	**Relative Humidity:** 58.3 %	**Barometric Press:** 986.5 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

Leakage current < 5 mA when tested at 750 VDC for 60 seconds

Dielectric Withstand Voltage		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Insulation Resistance (Section 10.6) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/30/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-21	
Temp: 21.5 °C	**Relative Humidity:** 58.3 %	**Barometric Press:** 986.5 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

5,000 MΩ minimum when tested at 250 VDC

Insulation Resistance		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Visual & Mechanical (Section 0) – Subgroup #1 – All DUTS

Customer: N/A	**Date:** 09/30/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.5 °C	**Relative Humidity:** 58.3 %	**Barometric Press:** 986.5 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Microscope; Vision Engineering model EVOCAM; N/A; N/A; For Reference Only		

Requirements:

Free from defects, meet drawing requirements, contacts move freely

Visual & Mechanical		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
8	806-5055700-008	Pass
9	806-5055700-008	Pass
10	806-5055700-009	Pass
11	806-5055700-009	Pass
12	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Dielectric Withstand Voltage (High-Altitude) - (Section 11.1) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/1/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.3 °C	**Relative Humidity:** 60.3 %	**Barometric Press:** 985.4 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; 35-901; Cal. Due 17 July 2026 Pressure Transducer; Omega model PX409-015AUSBH; I.D. No 30-776; Cal. Due 17 Oct 2025		

Requirements:

300 VAC for 1 minute with no more than 5 mA leakage current at 33 mm Hg pressure – equivalent to 70,000 ft.

Dielectric Withstand Voltage (High-Altitude)		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Mating & Unmating (Section 11.2) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/1/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.3 °C	**Relative Humidity:** 60.3 %	**Barometric Press:** 985.4 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Force Guage; Mark-10 model BG50; I.D. No 10-455; Cal. Due 17 July 2026		

Requirements:

No damage to contacts

Mating & Unmating		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Low Level Contact Resistance (Section 11.3) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/1/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.3 °C	**Relative Humidity:** 60.3 %	**Barometric Press:** 985.4 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Keysight model E36106B; I.D. No 35-936; Cal. Due 14 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 100mA

< 75 mΩ for 806-505700-009 – when tested with a source current of 100Ma

Low Level Contact Resistance				
DUT #	**P/N of TLA**	**Contact #**	**Resistance (mΩ)**	**Result**
7	806-5055700-008	387	43.8	Pass
	-	380	39.7	Pass
	-	370	44.2	Pass
	-	1	32.7	Pass
	-	17	38.7	Pass
	-	27	41.9	Pass
	-	400	30.5	Pass
10	806-5055700-009	387	36.1	Pass
	-	380	33.7	Pass
	-	370	37.0	Pass
	-	1	32.1	Pass
	-	17	35.9	Pass
	-	27	42.3	Pass
	-	400	32.7	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Vibration (Section 11.4) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/2/2025 – 10/3/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.5 °C – (10/2/2025) 21.9 °C – (10/3/2025)	**Relative Humidity:** 60.2 % - (10/2/2025) 57.4 % - (10/3/2025)	**Barometric Press:** 988.1 hPa – (10/2/2025) 986.7 hPa – (10/3/2025)
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Shaker; Unholtz-Dickie model H560B-12/PB; I.D. No 11626; N/A Discontinuity Meter; Analysis Tech model 32EHD; I.D. No 35-918; 16 Jan 2026 Vibration Controller; Unholtz-Dickie model Apex SL; I.D. No 35-911; 19 Aug 2026 Control Accelerometer; PCB Piezotronics model 353B04; I.D. No 30-773; 3 June 2026		

Requirements:

No discontinuities ≥ 1 ns

Vibration		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES: More detailed results can be seen in Appendix C – Vibration Test Data

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Shock (Specified Pulse) - (Section 11.5) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/2/2025 – 10/3/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.5 °C – (10/2/2025) 21.9 °C – (10/3/2025)	**Relative Humidity:** 60.2 % - (10/2/2025) 57.4 % - (10/3/2025)	**Barometric Press:** 988.1 hPa – (10/2/2025) 986.7 hPa – (10/3/2025)
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Shaker; Unholtz-Dickie model H560B-12/PB; I.D. No 11626; N/A Discontinuity Meter; Analysis Tech model 32EHD; I.D. No 35-918; 16 Jan 2026 Vibration Controller; Unholtz-Dickie model Apex SL; I.D. No 35-911; 19 Aug 2026 Control Accelerometer; PCB Piezotronics model 353B04; I.D. No 30-773; 3 June 2026		

Requirements:

No discontinuities ≥ 1 ns

Shock (Specified Pulse)		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES: *More detailed results can be seen in Appendix D – Shock Test Data*

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Low Level Contact Resistance - (Section 11.6) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/7/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.6 °C	**Relative Humidity:** 51.2 %	**Barometric Press:** 987.9 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Keysight model E36106B; I.D. No 35-936; Cal. Due 14 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 100mA

< 75 mΩ for 806-505700-009 – when tested with a source current of 100Ma

Low Level Contact Resistance				
DUT #	**P/N of TLA**	**Contact #**	**Resistance (mΩ)**	**Result**
7	806-5055700-008	387	44.6	Pass
	-	380	43.1	Pass
	-	370	47.2	Pass
	-	1	34.9	Pass
	-	17	38.6	Pass
	-	27	39.9	Pass
	-	400	36.1	Pass
10	806-5055700-009	387	36.2	Pass
	-	380	34.8	Pass
	-	370	34.4	Pass
	-	1	31.4	Pass
	-	17	33.6	Pass
	-	27	36.6	Pass
	-	400	33.2	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Contact Resistance - (Section 11.7) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/7/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.6 °C	**Relative Humidity:** 51.2 %	**Barometric Press:** 987.9 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Kepco model ABC10-10DM; I.D. No 35-928; Cal. Due 18 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 4A

< 75 mΩ for 806-505700-009 – when tested with a source current of 4A

Contact Resistance				
DUT #	**P/N of TLA**	**Contact #**	**Resistance (mΩ)**	**Result**
7	806-5055700-008	387	40.6	Pass
	-	380	42.0	Pass
	-	370	43.1	Pass
	-	1	36.2	Pass
	-	17	38.1	Pass
	-	27	37.8	Pass
	-	400	33.1	Pass
10	806-5055700-009	387	38.3	Pass
	-	380	34.1	Pass
	-	370	34.6	Pass
	-	1	31.1	Pass
	-	17	31.9	Pass
	-	27	34.5	Pass
	-	400	32.4	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Dielectric Withstand Voltage - (Section 11.8) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/7/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.6 °C	**Relative Humidity:** 51.2 %	**Barometric Press:** 987.9 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

Leakage current < 5 mA when tested at 750 VDC for 60 seconds

Dielectric Withstand Voltage		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Insulation Resistance - (Section 11.9) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/7/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.6 °C	**Relative Humidity:** 51.2 %	**Barometric Press:** 987.9 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

5,000 MΩ minimum when tested at 250 VDC

Insulation Resistance		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Visual & Mechanical - (Section 11.10) – Subgroup #2 – DUTs #7, & #10

Customer: N/A	**Date:** 10/8/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 22.0 °C	**Relative Humidity:** 41.8 %	**Barometric Press:** 993.8 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Microscope; Vision Engineering model EVOCAM; N/A; N/A; For Reference Only		

Requirements:

Free from defects, meet drawing requirements, contacts move freely

Visual & Mechanical		
DUT #	**P/N of TLA**	**Result**
7	806-5055700-008	Pass
10	806-5055700-009	Pass

ADDITIONAL NOTES:

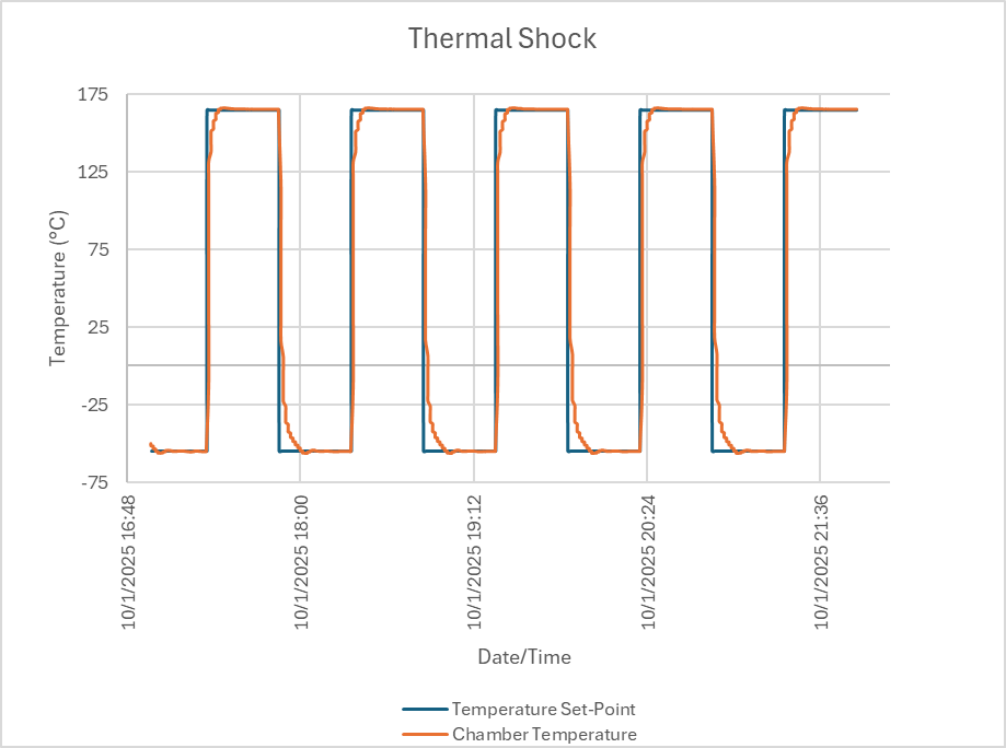
Tested By:	Brian Gordon
Engineer:	Brian Gordon

Thermal Shock - (Section 12.1) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/1/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: N/A	**Relative Humidity:** N/A	**Barometric Press:** N/A
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Thermal Shock Chamber; Espec model TSD-101; I.D. No 11686; Cal. Due 2 Sept 2026		

Requirements:

5 cycles, -55°C to +165°C (30 min. dwell at each temperature extreme)



Thermal Shock		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Low Level Contact Resistance - (Section 12.2) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/2/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Keysight model E36106B; I.D. No 35-936; Cal. Due 14 Aug 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 Jan 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 Aug 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 100mA

< 75 mΩ for 806-505700-009 – when tested with a source current of 100Ma

Low Level Contact Resistance				
DUT #	**P/N of TLA**	**Contact #**	**Resistance (mΩ)**	**Result**
8	806-5055700-008	387	34.0	Pass
	-	380	30.0	Pass
	-	370	25.8	Pass
	-	1	31.0	Pass
	-	17	30.1	Pass
	-	27	26.1	Pass
	-	400	28.6	Pass
11	806-5055700-009	387	35.8	Pass
	-	380	40.8	Pass
	-	370	32.7	Pass
	-	1	35.6	Pass
	-	17	37.6	Pass
	-	27	37.8	Pass
	-	400	27.9	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Dielectric Withstand Voltage - (Section 12.3) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/2/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

Leakage current < 5 mA when tested at 750 VDC for 60 seconds

Dielectric Withstand Voltage		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Insulation Resistance - (Section 12.4) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/2/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

5,000 MΩ minimum when tested at 250 VDC

Insulation Resistance		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Mating & Unmating - (Section 12.5) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/2/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.5 °C	**Relative Humidity:** 60.2 %	**Barometric Press:** 988.1 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Force Guage; Mark-10 model BG50; I.D. No 10-455; Cal. Due 17 July 2026		

Requirements:

No damage to contacts

Mating & Unmating		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

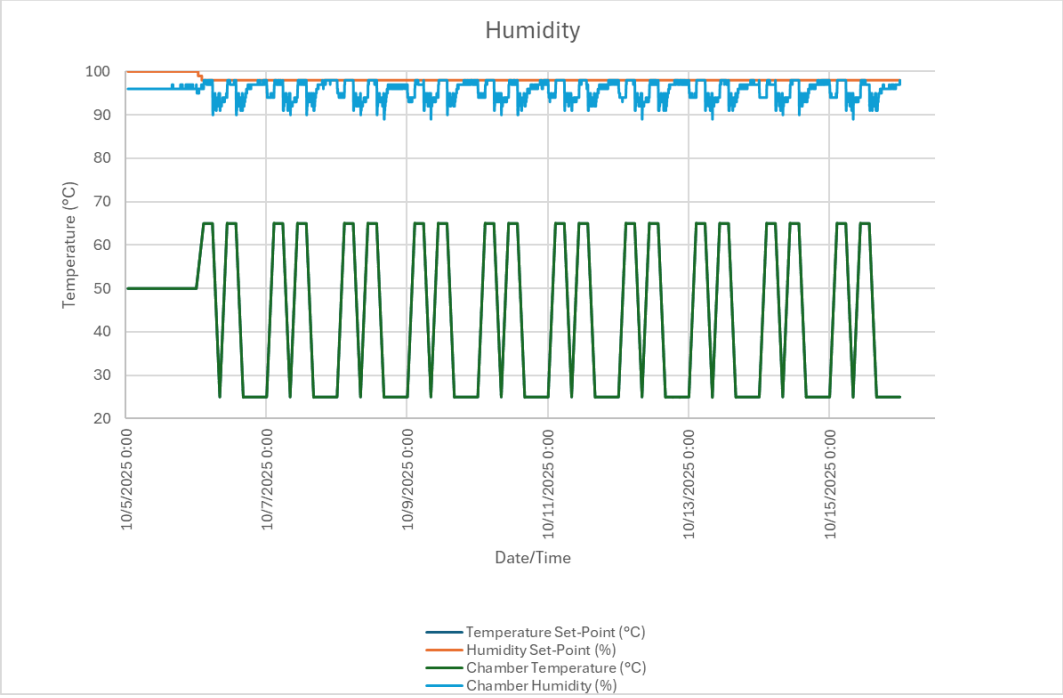
Tested By:	Brian Gordon
Engineer:	Brian Gordon

Humidity - (Section 12.6) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/5/2025 – 10/16/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: N/A	**Relative Humidity:** N/A	**Barometric Press:** N/A
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Humidity Chamber; Espec model EPX-3H; I.D. No 23255; Cal. Due 3 Sept 2026		

Requirements:

Insulation resistance ≥ 1 MΩ after step 6 of the final cycle



Humidity		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Low Level Contact Resistance - (Section 12.7) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/16/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A		**Part Numbers:** 806-5055700-008, -009
Project Number: DD-295350		**Specification:** EIA-364-18
Temp: 21.7 °C	**Relative Humidity:** 57.9 %	**Barometric Press:** 986.6 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Power Supply; Keysight model E36106B; I.D. No 35-936; Cal. Due 14 August 2026 Multimeter; Keithley model 2700; I.D. No 35-904; Cal. Due 17 January 2026 Multimeter; Keithley model DMM6500; I.D. No 35-1000; Cal. Due 21 August 2026		

Requirements:

< 50 mΩ for 806-505700-008 – when tested with a source current of 100mA

< 75 mΩ for 806-505700-009 – when tested with a source current of 100Ma

Low Level Contact Resistance				
DUT #	P/N of TLA	Contact #	Resistance (mΩ)	Result
8	806-5055700-008	387	44.5	Pass
	-	380	33.1	Pass
	-	370	31.4	Pass
	-	1	34.6	Pass
	-	17	36.9	Pass
	-	27	34.7	Pass
	-	400	30.4	Pass
11	806-5055700-009	387	64.8	Pass
	-	380	36.4	Pass
	-	370	40.1	Pass
	-	1	35.9	Pass
	-	17	62.1	Pass
	-	27	42.1	Pass
	-	400	37.0	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Insulation Resistance - (Section 12.8) – Subgroup #3 – DUTs #8, & #11

Customer: N/A	**Date:** 10/16/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.7 °C	**Relative Humidity:** 57.9 %	**Barometric Press:** 986.6 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): HiPot; Associated Research model 7800; I.D. No 35-901; Cal. Due 17 July 2026		

Requirements:

5,000 MΩ minimum when tested at 250 VDC

Insulation Resistance		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Visual & Mechanical - (Section 12.9) – Subgroup #3 – DUTs#8, & #11

Customer: N/A	**Date:** 10/16/2025	**Tested By:** Brian Gordon
Customer Part Number: N/A	**Part Numbers:** 806-5055700-008, -009	
Project Number: DD-295350	**Specification:** EIA-364-18	
Temp: 21.7 °C	**Relative Humidity:** 57.9 %	**Barometric Press:** 986.6 hPa
Test Equipment (Type, Mfr & Model #, I.D. No, Cal. Due Date): Microscope; Vision Engineering model EVOCAM; N/A; N/A; For Reference Only		

Requirements:

Free from defects, meet drawing requirements, contacts move freely

Visual & Mechanical		
DUT #	**P/N of TLA**	**Result**
8	806-5055700-008	Pass
11	806-5055700-009	Pass

ADDITIONAL NOTES:

Tested By:	Brian Gordon
Engineer:	Brian Gordon

Appendix C – Vibration Test Data

SWEPT SINE TEST REPORT

SETUP NAME: Vibration - EIA364-28F - Test Condition IV

SETUP DESC: EIA-364-28F - Test Condition IV

SETUP COMMENTS: Interposer Qualification

DUT 7 - Y Axis

DUT 10 - Z Axis

RUN NAME: run001

STATUS INFORMATION

TEST EVENT TIME: Thursday, October 02, 2025 at 05:25:20 PM

TEST STATUS: FINISHED

TEST MODE: AUTO

TOTAL TIME ELAPSED (HH:MM:SS): 4:0:10

AUTO TIME ELAPSED (HH:MM:SS): 4:0:0

SWEEP #: 24

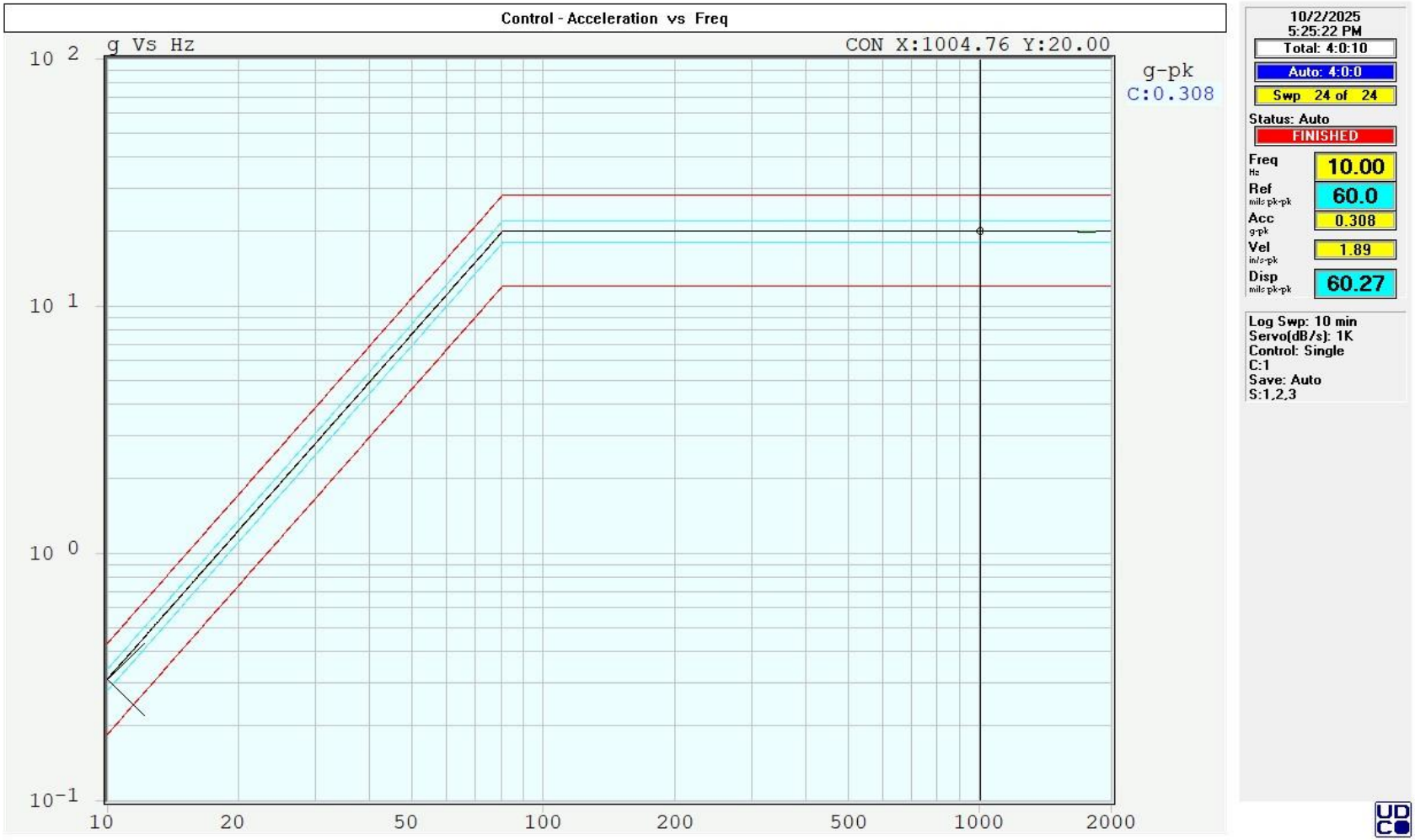
FREQUENCY: 10.00 Hz

REFERENCE: 60.00 mil pp

CONTROL ACCELERATION: 0.31 g pk

CONTROL VELOCITY: 1.89 in/s pk

CONTROL DISPLACEMENT: 60.27 mil pp


Control - Acceleration vs Freq
g Vs Hz
CON X:1004.76 Y:20.00
g-pk
C:0.308
10 2
10 1
10 0
10-1
10
20
50
100
200
500
1000
2000
10/2/2025
5:25:22 PM
Total: 4:0:10
Auto: 4:0:0
Swp 24 of 24
Status: Auto
FINISHED
Freq
Hz
10.00
Ref
mils pk-pk
60.0
Acc
g-pk
0.308
Vel
in/s-pk
1.89
Disp
mils pk-pk
60.27
Log Swp: 10 min
Servo[dB/s]: 1K
Control: Single
C:1
Save: Auto
S:1,2,3

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

CONTROL TYPE: SINGLE

SWEEP TIME: 10 min

SWEEP RATE: 0.764 Oct/min

SWEEP TYPE: LOG

STARTING SWEEP DIRECTION: UP

STARTING FREQUENCY: 10.00 Hz

LOWER FREQUENCY: 10.00 Hz

UPPER FREQUENCY: 2000.00 Hz

SERVO SPEED: 1K dB/s

NPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE BiasVolts	Sensitivity (mV/g)	Max.Range (g pk)
1	X	X	IEPE	8.8610	9.86	100.00
2		X	IEPE	8.8650	9.80	100.00
3		X	IEPE	8.8740	9.85	100.00
4			SE	N/A	10.00	100.00
5			SE	N/A	10.00	100.00
6			SE	N/A	10.00	100.00
7			SE	N/A	10.00	100.00
8			SE	N/A	10.00	100.00

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773; Model 353B04; S/N LW188712; Cal. Due 3 June 2026
2	ID# 30-774; Model 353B04; S/N LW188713; Cal. Due 6 June 2026
3	ID# 30-775; Model 353B04; S/N LW 188714; Cal. Due 12 June 2026

REFERENCE SEGMENT TABLE

Seg #	Freq Hz	Type DAVS	Disp mil pp	Accel g pk	Vel in/s pk	Alarm- (-%)	Alarm+ (+%)	Abort- (-%)	Abort+ (+%)
1	10.00	D	60.00	0.3068	1.885	10.00	10.00	40.00	40.00
2	80.75	A	60.00	20.00	15.22	10.00	10.00	40.00	40.00
3	2000.00	A	0.0978	20.00	0.6145	10.00	10.00	40.00	40.00

Test Maximums - Accel: 20.00 g pk, Est. Vel: 15.20 in/s pk, Est. Disp: 60.00 mil pp

ALARM/ABORT PARAMETERS

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 5.00 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -20.00 dB

NUMBER OF SWEEPS: 24

********** AUTO MODE DATA SAVE **********

FIRST AND LAST SWEEPS

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 100.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 5.00 Volts

DRIVE SCALING FACTOR: 42.00

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Swept Sine Test Report

SETUP NAME: Vibration - EIA364-28F - Test Condition IV

SETUP DESC: EIA-364-28F - Test Condition IV

SETUP COMMENTS: Interposer Qualification - Run #2

DUT 7 - Z Axis

DUT 10 - Y Axis

RUN NAME: run002

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 08:43:20 AM

TEST STATUS: FINISHED

TEST MODE: AUTO

TOTAL TIME ELAPSED (HH:MM:SS): 4:0:10

AUTO TIME ELAPSED (HH:MM:SS): 4:0:0

SWEEP #: 24

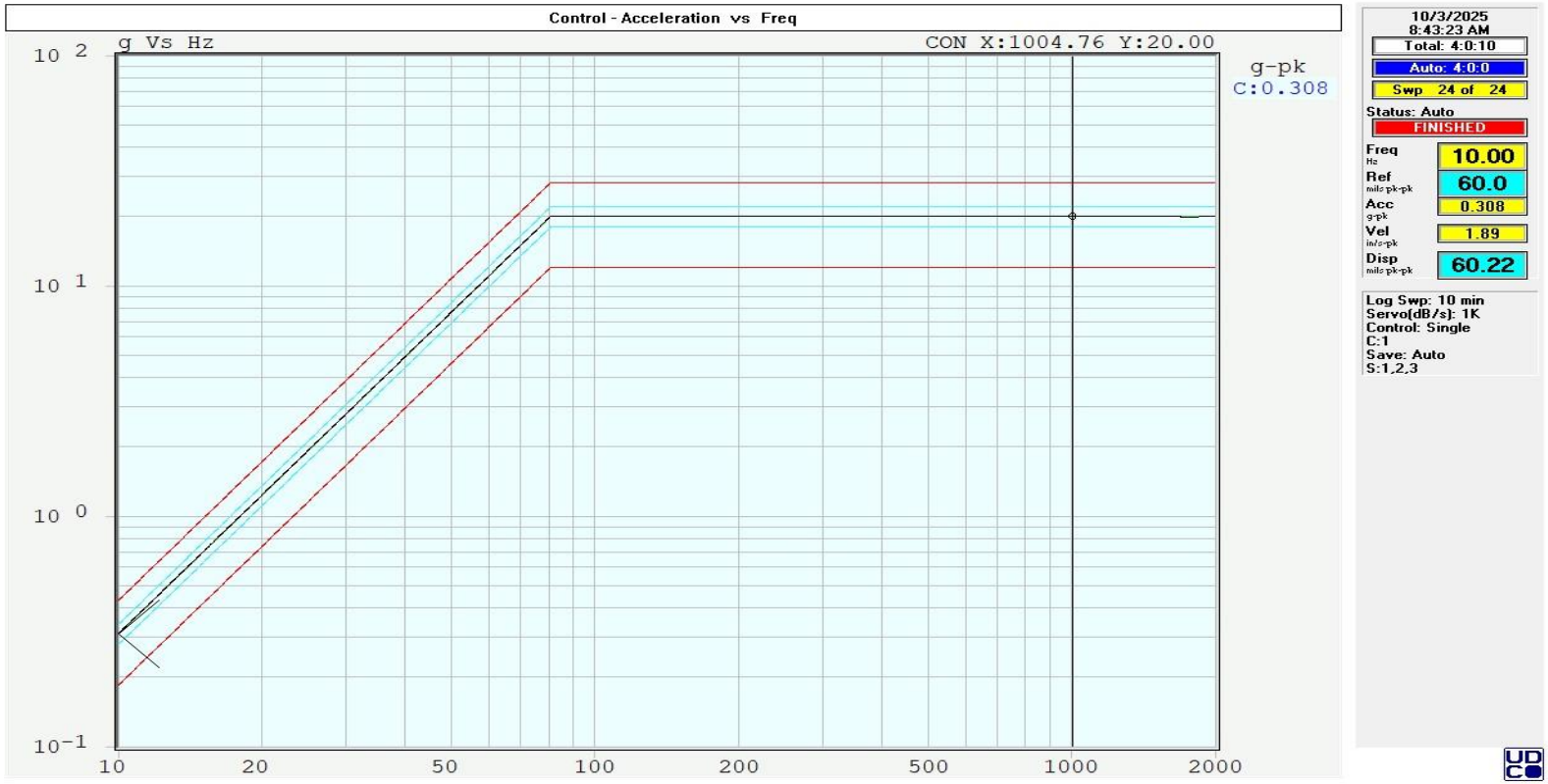
FREQUENCY: 10.00 Hz

REFERENCE: 60.00 mil pp

CONTROL ACCELERATION: 0.31 g pk

CONTROL VELOCITY: 1.89 in/s pk

CONTROL DISPLACEMENT: 60.22 mil pp


Control - Acceleration vs Freq
g Vs Hz
CON X:1004.76 Y:20.00
g-pk
C:0.308
10 2
10 1
10 0
10-1
10
20
50
100
200
500
1000
2000
10/3/2025
8:43:23 AM
Total: 4:0:10
Auto: 4:0:0
Swp 24 of 24
Status: Auto
FINISHED
Freq
10.00
Ref
60.0
Acc
0.308
Vel
1.89
Disp
60.22
Log Swp: 10 min
Servo(dB/s): 1K
Control: Single
C:1
Save: Auto
S:1,2,3

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

CONTROL TYPE: SINGLE

SWEEP TIME: 10 min

SWEEP RATE: 0.764 Oct/min

SWEEP TYPE: LOG

STARTING SWEEP DIRECTION: UP

STARTING FREQUENCY: 10.00 Hz

LOWER FREQUENCY: 10.00 Hz

UPPER FREQUENCY: 2000.00 Hz

SERVO SPEED: 1K dB/s

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)
1	X	X	IEPE	8.8610	9.86	100.00
2		X	IEPE	8.8650	9.80	100.00
3		X	IEPE	8.8740	9.85	100.00
4			SE	N/A	10.00	100.00
5			SE	N/A	10.00	100.00
6			SE	N/A	10.00	100.00
7			SE	N/A	10.00	100.00
8			SE	N/A	10.00	100.00

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773; Model 353B04; S/N LW188712; Cal. Due 3 June 2026
2	ID# 30-774; Model 353B04; S/N LW188713; Cal. Due 6 June 2026
3	ID# 30-775; Model 353B04; S/N LW 188714; Cal. Due 12 June 2026

REFERENCE SEGMENT TABLE

Seg #	Freq Hz	Type DAVS	Disp mil pp	Accel g pk	Vel in/s pk	Alarm- (-%)	Alarm+ (+%)	Abort- (-%)	Abort+ (+%)
1	10.00	D	60.00	0.3068	1.885	10.00	10.00	40.00	40.00
2	80.75	A	60.00	20.00	15.22	10.00	10.00	40.00	40.00
3	2000.00	A	0.0978	20.00	0.6145	10.00	10.00	40.00	40.00

Test Maximums - Accel: 20.00 g pk, Est. Vel: 15.20 in/s pk, Est. Disp: 60.00 mil pp

ALARM/ABORT PARAMETERS

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 5.00 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -20.00 dB

NUMBER OF SWEEPS: 24

********** AUTO MODE DATA SAVE **********

FIRST AND LAST SWEEPS

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 100.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 5.00 Volts

DRIVE SCALING FACTOR: 42.00

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Swept Sine Test Report

SETUP NAME: Vibration - EIA364-28F - Test Condition IV

SETUP DESC: EIA-364-28F - Test Condition IV

SETUP COMMENTS: Interposer Qualification - Run #3

DUT 7 - X Axis

DUT 10 - X Axis

RUN NAME: run003

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 01:48:56 PM

TEST STATUS: FINISHED

TEST MODE: AUTO

TOTAL TIME ELAPSED (HH:MM:SS): 4:0:10

AUTO TIME ELAPSED (HH:MM:SS): 4:0:0

SWEEP #: 24

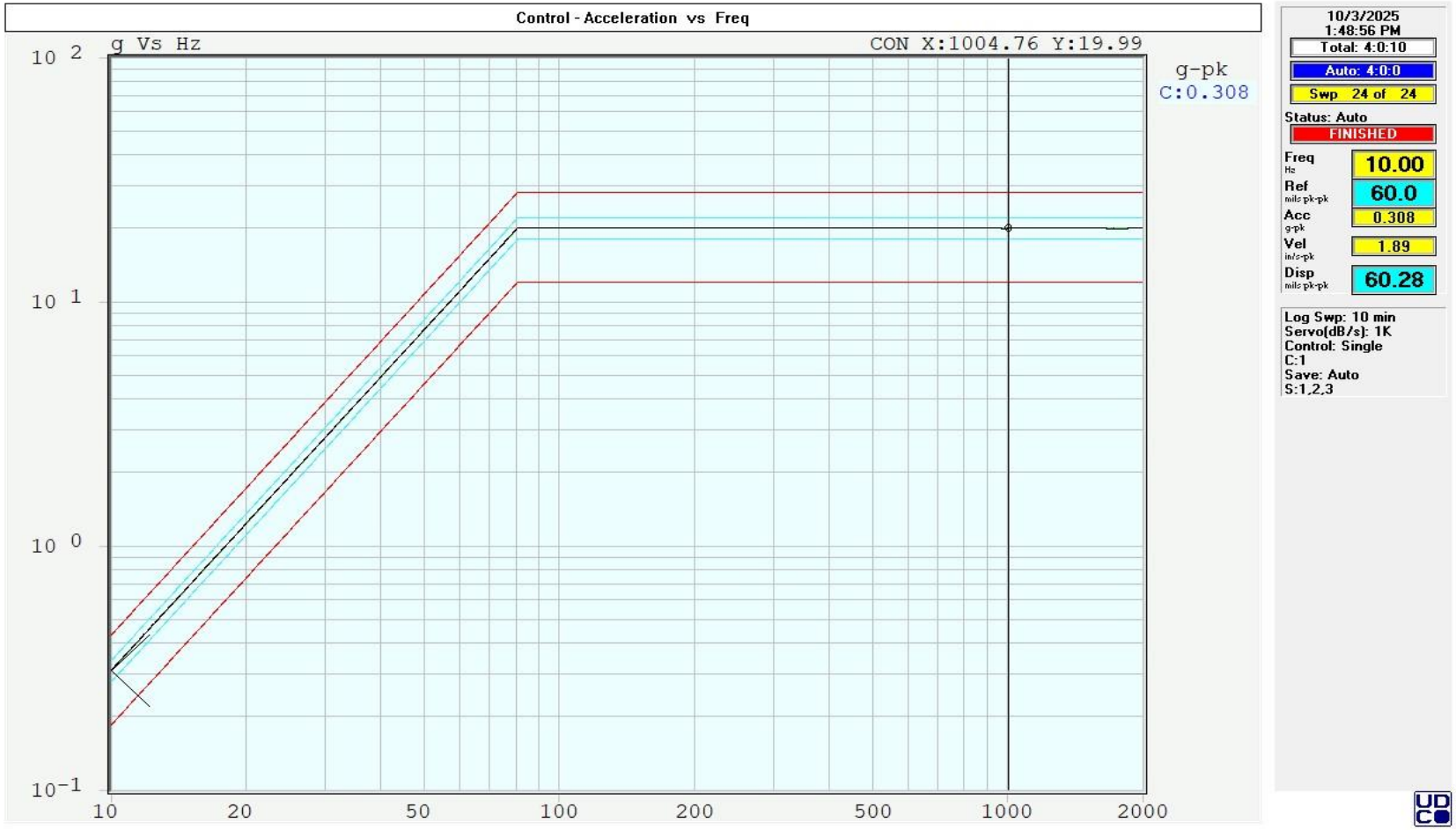
FREQUENCY: 10.00 Hz

REFERENCE: 60.00 mil pp

CONTROL ACCELERATION: 0.31 g pk

CONTROL VELOCITY: 1.89 in/s pk

CONTROL DISPLACEMENT: 60.28 mil pp


Control - Acceleration vs Freq
g Vs Hz
CON X:1004.76 Y:19.99
g-pk
C:0.308
10 2
10 1
10 0
10-1
10
20
50
100
200
500
1000
2000
10/3/2025
1:48:56 PM
Total: 4:0:10
Auto: 4:0:0
Swp 24 of 24
Status: Auto
FINISHED
Freq
Hz
10.00
Ref
mils pk-pk
60.0
Acc
g-pk
0.308
Vel
in/s-pk
1.89
Disp
mils pk-pk
60.28
Log Swp: 10 min
Servo(dB/s): 1K
Control: Single
C:1
Save: Auto
S:1,2,3

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

CONTROL TYPE: SINGLE

SWEEP TIME: 10 min

SWEEP RATE: 0.764 Oct/min

SWEEP TYPE: LOG

STARTING SWEEP DIRECTION: UP

STARTING FREQUENCY: 10.00 Hz

LOWER FREQUENCY: 10.00 Hz

UPPER FREQUENCY: 2000.00 Hz

SERVO SPEED: 1K dB/s

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)
1	X	X	IEPE	8.8610	9.86	100.00
2		X	IEPE	8.8650	9.80	100.00
3		X	IEPE	8.8740	9.85	100.00
4			SE	N/A	10.00	100.00
5			SE	N/A	10.00	100.00
6			SE	N/A	10.00	100.00
7			SE	N/A	10.00	100.00
8			SE	N/A	10.00	100.00

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773; Model 353B04; S/N LW188712; Cal. Due 3 June 2026
2	ID# 30-774; Model 353B04; S/N LW188713; Cal. Due 6 June 2026
3	ID# 30-775; Model 353B04; S/N LW 188714; Cal. Due 12 June 2026

REFERENCE SEGMENT TABLE

Seg #	Freq Hz	Type DAVS	Disp mil pp	Accel g pk	Vel in/s pk	Alarm- (-%)	Alarm+ (+%)	Abort- (-%)	Abort+ (+%)
1	10.00	D	60.00	0.3068	1.885	10.00	10.00	40.00	40.00
2	80.75	A	60.00	20.00	15.22	10.00	10.00	40.00	40.00
3	2000.00	A	0.0978	20.00	0.6145	10.00	10.00	40.00	40.00

Test Maximums - Accel: 20.00 g pk, Est. Vel: 15.20 in/s pk, Est. Disp: 60.00 mil pp

ALARM/ABORT PARAMETERS

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 5.00 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -20.00 dB

NUMBER OF SWEEPS: 24

********** AUTO MODE DATA SAVE **********

FIRST AND LAST SWEEPS

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 100.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 5.00 Volts

DRIVE SCALING FACTOR: 42.00

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Appendix D – Shock Test Data

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Negative Polarity

DUT 7 - Y Axis

DUT 10 - Z Axis

RUN NAME: run068

STATUS INFORMATION

TEST EVENT TIME: Thursday, October 02, 2025 at 05:36:15 PM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: -103.00 g pk

CONTROL: -101.48 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:-66.498
g-pk
C:-101.5
30.0
10.0
-10.0
-30.0
-50.0
-70.0
-90.0
-110
-130
-150
77.1
82
87
92
97
102
107
112
117
123.2
10/2/2025
5:36:16 PM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -12.0dB:25.12
Ref
g-pk
-103.00
Con
g-pk
-101.48
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	-	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Positive Polarity

DUT 7 - Y Axis

DUT 10 - Z Axis

RUN NAME: run067

STATUS INFORMATION

TEST EVENT TIME: Thursday, October 02, 2025 at 05:33:50 PM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

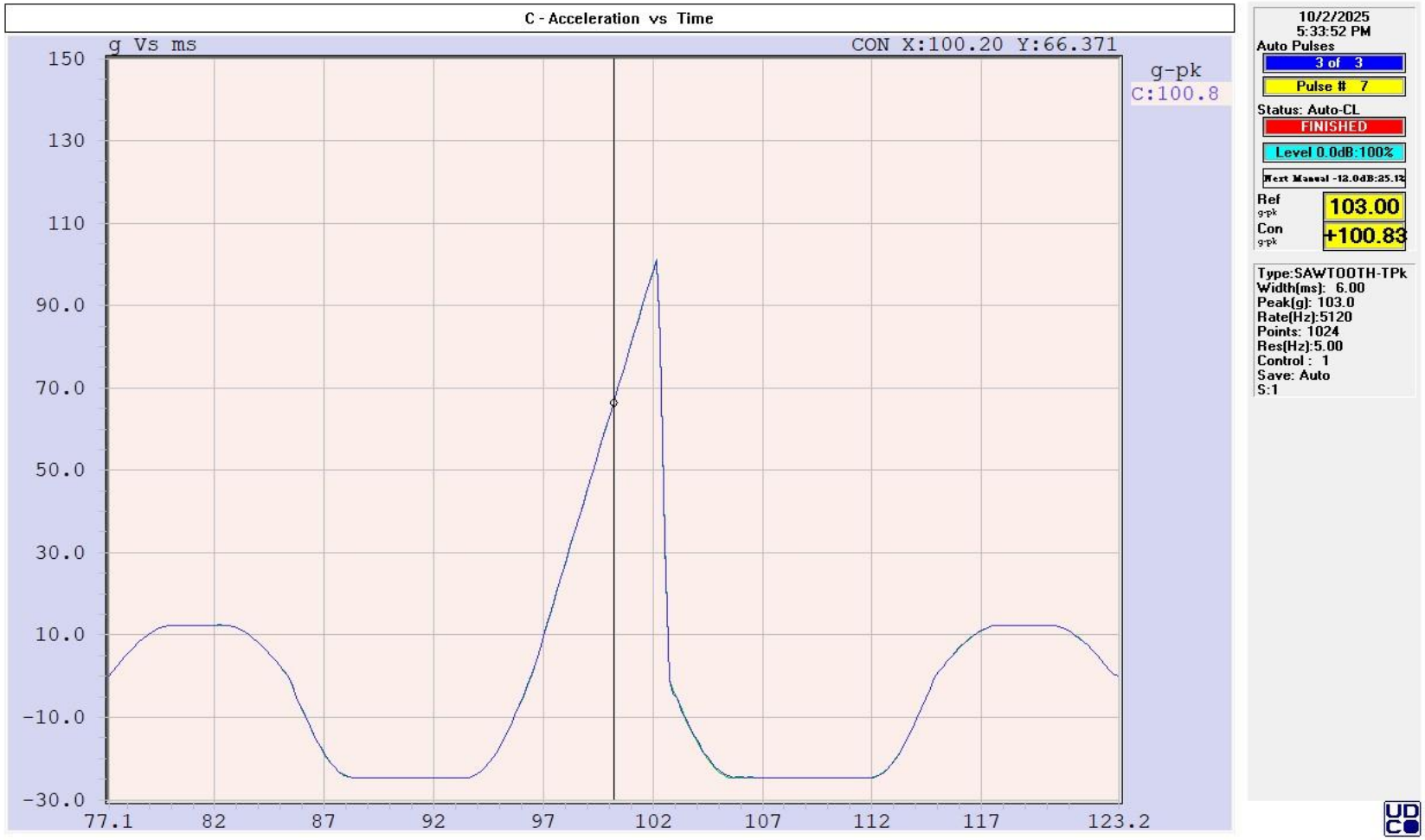
TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: 103.00 g pk

CONTROL: 100.83 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:66.371
g-pk
C:100.8
150
130
110
90.0
70.0
50.0
30.0
10.0
-10.0
-30.0
77.1
82
87
92
97
102
107
112
117
123.2
10/2/2025
5:33:52 PM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -12.0dB:25.1%
Ref g-pk 103.00
Con g-pk +100.83
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	+	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Negative Polarity

DUT 7 - Z Axis

DUT 10 - Y Axis

RUN NAME: run070

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 08:47:10 AM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: -103.00 g pk

CONTROL: -101.39 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:-66.497
g-pk
C:-101.4
30.0
10.0
-10.0
-30.0
-50.0
-70.0
-90.0
-110
-130
-150
77.1
82
87
92
97
102
107
112
117
123.2
10/3/2025
8:47:11 AM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -18.0dB:25.1%
Ref
g-pk
-103.00
Con
g-pk
-101.39
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	-	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Positive Polarity

DUT 7 - Z Axis

DUT 10 - Y Axis

RUN NAME: run069

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 08:45:57 AM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

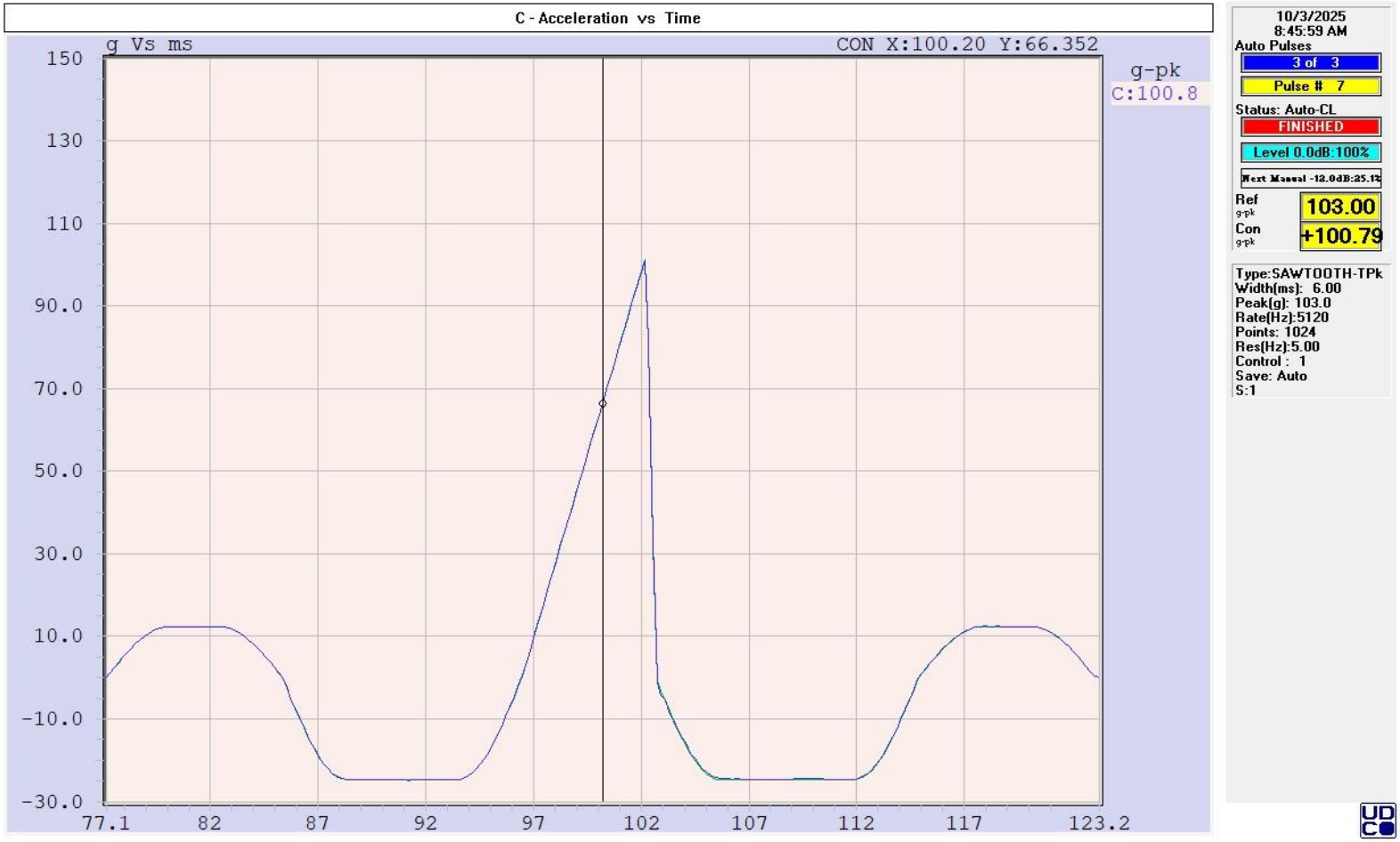
TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: 103.00 g pk

CONTROL: 100.79 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:66.352
g-pk
C:100.8
150
130
110
90.0
70.0
50.0
30.0
10.0
-10.0
-30.0
77.1
82
87
92
97
102
107
112
117
123.2
10/3/2025
8:45:59 AM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -12.0dB:25.12
Ref g-pk 103.00
Con g-pk +100.79
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	+	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Positive Polarity

DUT 7 - X Axis

DUT 10 - X Axis

RUN NAME: run072

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 01:51:49 PM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: -103.00 g pk

CONTROL: -101.53 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:-66.372
g-pk
C:-101.5
30.0
10.0
-10.0
-30.0
-50.0
-70.0
-90.0
-110
-130
-150
77.1
82
87
92
97
102
107
112
117
123.2
10/3/2025
1:51:49 PM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -12.0dB:25.1%
Ref
g-pk
-103.00
Con
g-pk
-101.53
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	-	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22

Classical Shock Test Report

SETUP NAME: EIA-364-27C - Test Condition G

SETUP DESC: EIA-364-27C - Test Condition G

SETUP COMMENTS: Interposer Qualification - Positive Polarity

DUT 7 - X Axis

DUT 10 - X Axis

RUN NAME: run071

STATUS INFORMATION

TEST EVENT TIME: Friday, October 03, 2025 at 01:50:39 PM

TEST STATUS: FINISHED

TEST MODE: AUTO - CLOSED LOOP

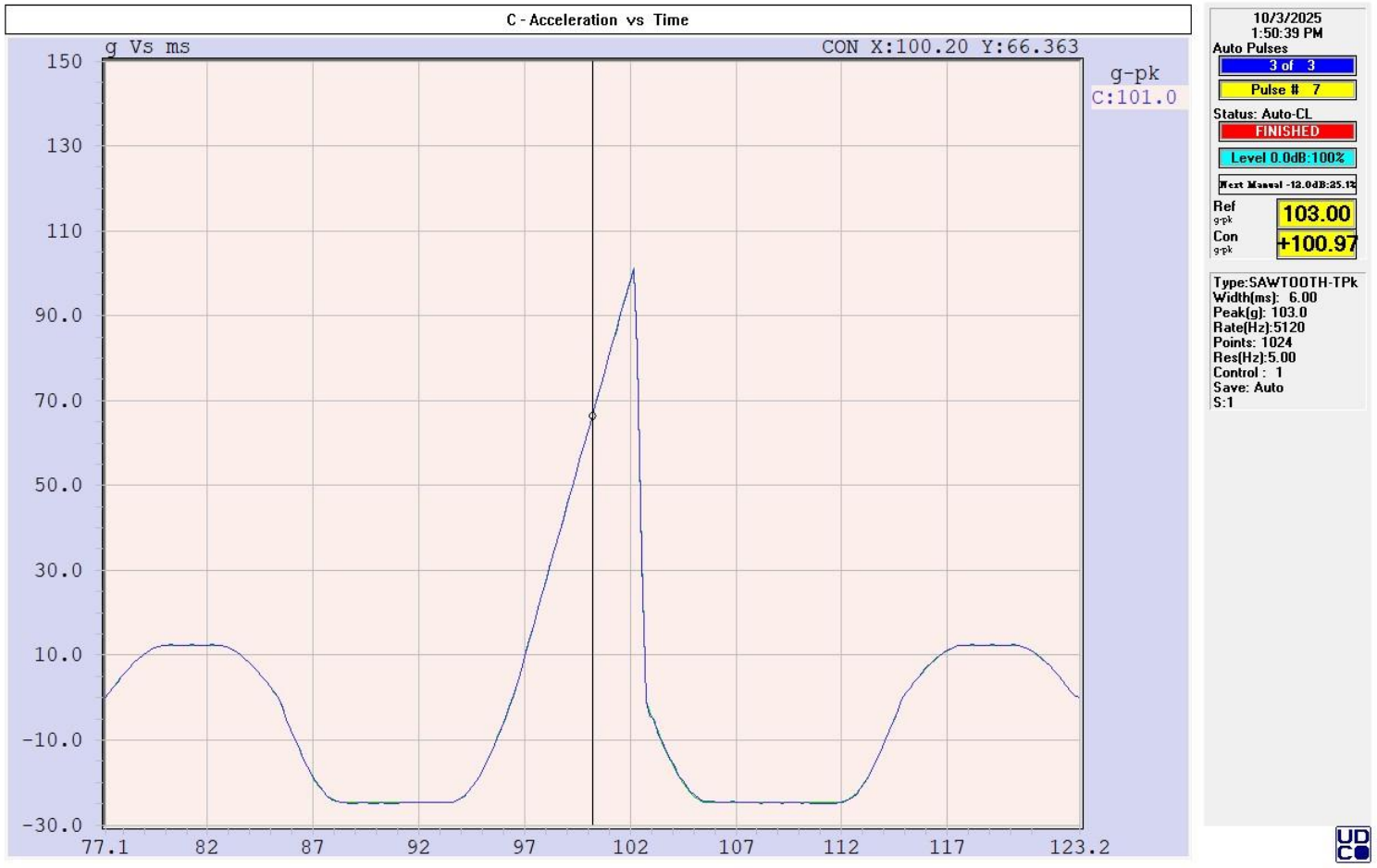
TOTAL: 7 Pulse(s)

AUTO: 3 Pulse(s)

TEST LEVEL: 0.0 dB

REFERENCE: 103.00 g pk

CONTROL: 100.97 g pk


C - Acceleration vs Time
g Vs ms
CON X:100.20 Y:66.363
g-pk
C:101.0
150
130
110
90.0
70.0
50.0
30.0
10.0
-10.0
-30.0
77.1
82
87
92
97
102
107
112
117
123.2
10/3/2025
1:50:39 PM
Auto Pulses
3 of 3
Pulse # 7
Status: Auto-CL
FINISHED
Level 0.0dB:100%
Next Manual -12.0dB:25.1%
Ref
g-pk
103.00
Con
g-pk
+100.97
Type:SAWTOOTH-TPk
Width(ms): 6.00
Peak(g): 103.0
Rate(Hz):5120
Points: 1024
Res(Hz):5.00
Control : 1
Save: Auto
S:1

CONTROL PARAMETERS

CONTROL CHANNEL(S): 1

SAMPLE RATE: 5120.0 Hz

FFT POINTS: 1024

FREQ. RESOLUTION/ TIME FRAME: 5.00 Hz/ 200.00 ms

MAXIMUM CONTROL FREQUENCY: 40% of Sample Rate

DISCOUNT AVERAGING: 2

INPUT CHANNEL PARAMETERS

Chan (#)	Control	Save	Interface Type	IEPE Bias Volts	Sensitivity (mV/g)	Max.Range (g pk)	Pol (+/-)
1	X	X	IEPE	8.8610	9.86	100.00	+
2			SE	N/A	10.00	100.00	+
3			SE	N/A	10.00	100.00	+
4			SE	N/A	10.00	100.00	+
5			SE	N/A	10.00	100.00	+
6			SE	N/A	10.00	100.00	+
7			SE	N/A	10.00	100.00	+
8			SE	N/A	10.00	100.00	+

INPUT CHANNEL DESCRIPTION

Chan #	Description
1	ID# 30-773: Model 353B04; S/N LW188712; Cal. Due 3 June 2026

TEST REFERENCE PARAMETERS

WAVE TYPE: SAWTOOTH - TERMINAL PEAK

PULSE WIDTH: 6.00 ms

TOTAL PULSE DURATION: 45.93 ms

REFERENCE PEAK: 103.00 g

PEAK VELOCITY: 66.8109 in/s

TOTAL DISPLACEMENT: 0.3795 in pp

COMPENSATION (% OF PEAK)

PRE POSITIVE: 12.00

PRE NEGATIVE: 24.00

POST NEGATIVE: 24.00

POST POSITIVE: 12.00

VELOCITY EXTREMES (in/s)

DURING PRE PULSE: 28.71

BEGINNING OF PULSE: -56.54

END OF PULSE: 66.81

DURING POST PULSE: -28.77

DISPLACEMENT EXTREMES (in)

DURING PRE/POST PULSE: 0.19

DURING TEST PULSE: -0.19

ALARM/ABORT PARAMETERS

MAXIMUM ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 20

FOR ABORT: 40

NUMBER OF CONSECUTIVE SAMPLES: 10

AVERAGE ABSOLUTE ERROR (% OF PEAK)

FOR ALARM: 3

FOR ABORT: 5

MAXIMUM DRIVE OUTPUT PEAK VOLTAGE (+/-): 8.50 volts

TEST STARTUP & SCHEDULE PARAMETERS

START LEVEL: -12.00 dB, (25.12% of full level)

TOTAL AUTO SCHEDULE PULSES: 3

********** AUTO MODE DATA SAVE **********

END OF TEST

LEVEL SCHEDULE

Step #	Level (dB)	Level (%)	Pulses #	Polarity (+/-)	Delay (ms)	Mode (O/C)
1	0.00	100.00	3	+	0	C

LEVEL STEP SEQUENCE

Seq#	From	To	# Times
1	1	1	1

SHAKER/AMPLIFIER SYSTEM SPECS

MAXIMUM ACCELERATION: 105.00 g pk

MAXIMUM VELOCITY: 70.00 in/s pk

MAXIMUM DISPLACEMENT: 2000.00 mil pp

MAXIMUM PERFORMANCE INPUT VOLTAGE: 9.00 Volts

INITIAL DRIVE SCALING FACTOR: 10.80

ARMATURE WEIGHT: 50.00 lbs, LOAD WEIGHT: 100.00 lbs

UNHOLTZ-DICKIE APEX SL Version 2.22