

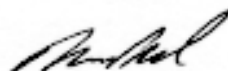
AUGUST 20, 1990

TEST REPORT #90410

VIBRATION TEST

PART NUMBER: SNT-100-BK-H-H
SNT-100-BK-T-H
SNT-100-BK-G-H

SAMTEC CORPORATION



APPROVED BY: MAX PEEL
PRESIDENT AND DIRECTOR OF ADVANCED RESEARCH
CONTECH RESEARCH, INC.



CERTIFICATION

This is to certify that the evaluation described herein was designed and executed by personnel of Contech Research, Inc. It was performed with the concurrence of Samtec Corporation, who was the test sponsor.

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



Max Peel
President



TEST RESULTS



PROJECT NO.: 90410 SPECIFICATION: N/A

PART NO.: SNT-100-BK-H-H DESCRIPTION: Receptacle Connectors
SNT-100-BK-T-H and Headers
SNT-100-BK-G-H

SAMPLE SIZE: Five Each TECHNICIAN: SR

START DATE: 8/16/90 COMPLETE DATE: 8/17/90

ROOM AMBIENT: 21°C RELATIVE HUMIDITY: 64%

EQUIPMENT ID#: 3, 30, 31, 33, 115, 223

VIBRATION, SINUSOIDAL

PURPOSE:

To determine the effects of vibration within the predominant vibration frequency range and magnitudes that may be encountered during the life of the product being evaluated.

PROCEDURE:

1. The test was performed in accordance with MIL-STD-1344, Method 2005, Test Condition III.
2. Test Conditions:
 - a) Frequency : 10 to 2000 to 10 Hz
 - b) Amplitude : 0.06" da or 15 G's
 - c) Duration : 4.0 hrs/axis, 3 axis total
 - d) Test Current : 100 ma
 - e) Sweep Time : 20 minutes

REQUIREMENTS:

1. There shall be no evidence of physical damage to the test samples as tested.
2. There shall be no contact interruption greater than 1.0 microsecond.

RESULTS:

The test samples as tested met the requirements as specified.

Equipment List

ID#	Last Cal	Next Cal	Equipment Name	Manufacturer	Accuracy	Model #	Serial #	Freq Cal
3	5/24/90	11/24/90	Digital Volt Meter	Hewlett Packard	±0.03% + 2 counts	3465B	1530A-07737	6 months
30	7/5/90	1/5/91	Discontinuity Monitor	Associated Test Lab	Uncertainty ± 50	DM-600-10	382-1	6 months
31	6/14/90	12/14/90	Oscilloscope	Tektronix	See specification	564	012402	6 months
33			Vib Power Amp	Ling Dynamics	See specification	MPA4	149	N/A
115	6/18/90	6/18/91	Vibration Controller	B & K	±4%	1047	1162161	12 months
223			PCB Power Supply	PCB Company	N/A	482	4356	N/A