

QA Test Report

IPC-623 With PCA-6159 (random Vibration Test)

Report No : 1998V045

Issue Stamp

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Approval

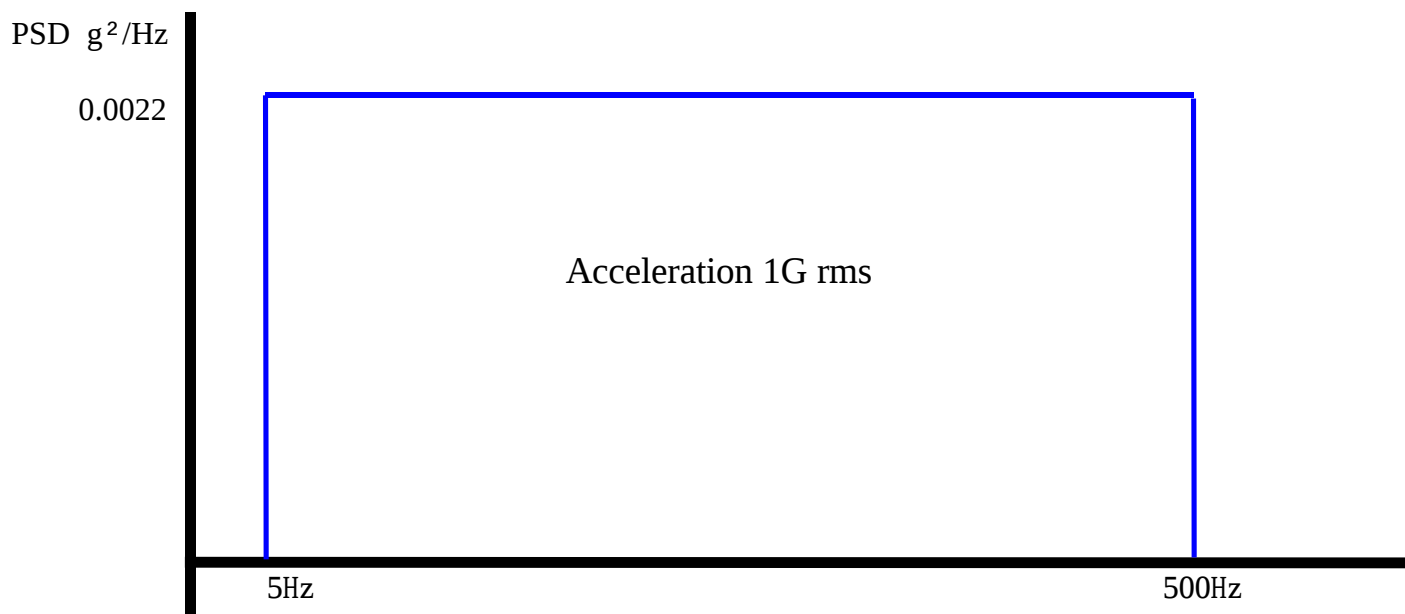
Test Date : November 17, 1998
Test Site : Advantech QA Environment Lab
Performed By : CT Wu
Charles Chang

Purpose : The massproduction chang package design test

Test Standard : Reference IEC68-2-36 Testing procedures
Test Fdb : Random vibration wide band reproducibility medium

Test Condition :

1. Test PSD : 5-500Hz - $0.0022G^2/Hz$
2. Test Frequency : 5-500Hz
3. Test Axis : Z axis
4. Test Time : 1hr
5. Test Vibration Curve :



Test Equipment : Vibration Simulator System

KING DESIGN Co. LTD.

Model : 9363EM-20030-25N80

S / N : MC104053285

Date of Calibration : 04-14-1998

Sample Configuration & Quantity Under Test :

Using one IPC-623 Chassis with the following options installed:

1. M/B: PCA-6159 rev.A201-1
2. CPU: Pentum 200MMX
3. VGA: ET6000 PCI VGA Card
4. HDD: Seagate St39140A
5. FDD: TEAC FD-55GFR 5.25"×2
TEAC FD 235HF 3.5"×1
6. CD-ROM: NEC CDR-273
7. Alarm Control Board
8. IPC-615B Temp Board Rev.A101-1
9. Backplan: PCA-6120P4 Rev.A1
10. Fan: Delta WFB1212H
11. Redundant power: ETRIS EPR-302 300W×2

Performance Criteria :

Electronic function check:

1. The QAPlus/fe test program select normal item to test, The system must pass these items.

Mechanical function check:

1. The jumps, connectors, slot can work properly without any interference.
2. The lithium battery sockets are slacken down appropriately.
3. the PCB enclosure or mechanical parts must be normal, and no deformed parts found.

Test Result :

Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The IPC-623 with PCA-6159 meet the random vibration test.

Testing Photograph :

The IPC-623 Z axis random vibration test