DECOMBER 8, 1993

TEST REPORT # 050

CONTACT RESISTANCE, GOLD THICKNESS AND NORMAL FORCE AS A FUNCTION OF BOARD INSERTION

SULLINS SALES DEPARTMENT

APPROVED BY: NOP BOONSUE ENGINEERING AND QUALITY ASSURANCE MANAGER SULLINS ELECTRONICS CORPORATION



SCOPE

To perform contact resistance, gold thickness, and normal force testing on the edge card connectors as manufactured by Sullins Electronics Corporation and submitted by the test sponsor, Sullins Electronics Sales Department.

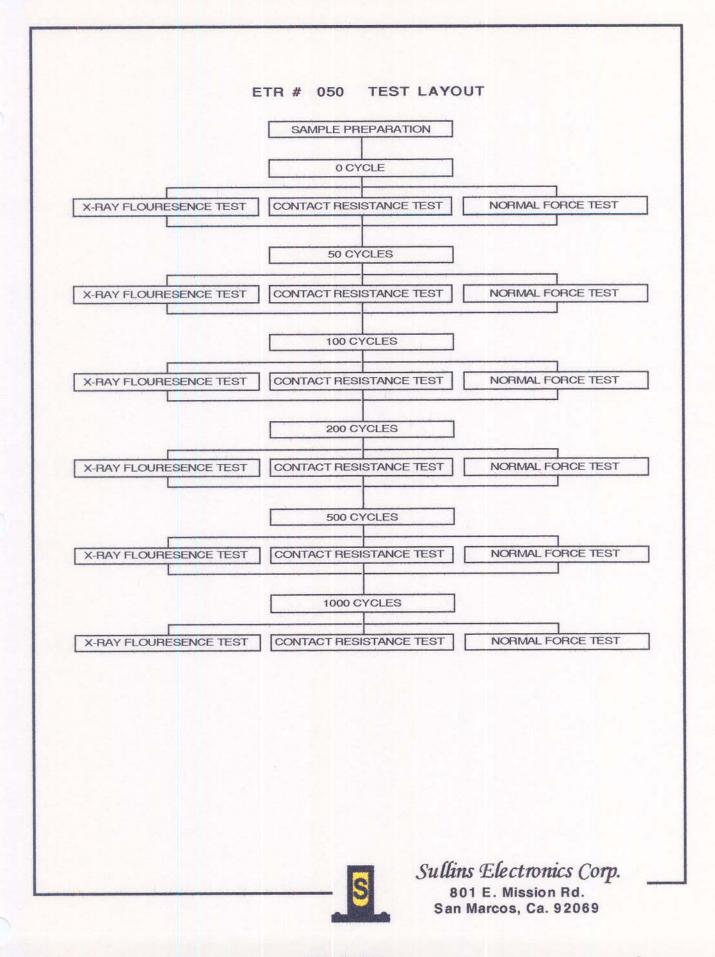
TEST SAMPLES AND PREPARATION

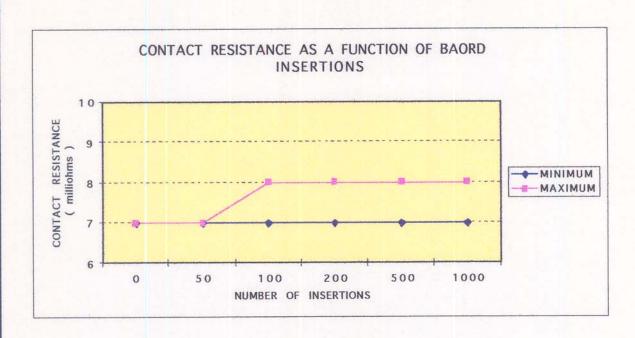
 The following samples were submitted by the manufacturer, Sullins Electronics, for evaluation by Sullins Test Laboratories.

Quantity	Part Number
5	EXM28DRXH

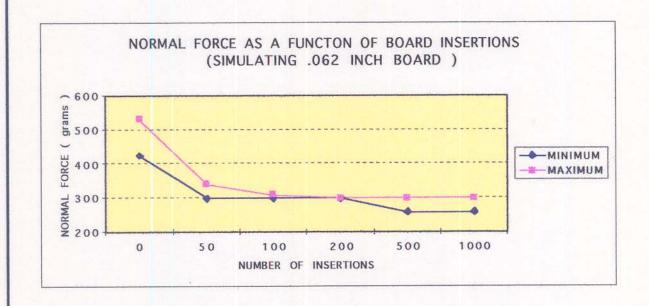
- 2. Unless otherwise indicated, all materials were certified by the manufacturer to be in accordance with the applicable product specification.
- 3. Applicable edge cards were obtained by Sullins Test Labs and prepared accordingly.
- 4. These edgeboards were manufactured in the form of standard .062" thick boards with an outer plating of gold on the contact pads.
- The test samples and edge cards had wires soldered to the appropriate terminations or contact pads.
- 6. The test samples were cycled with a .062" steel test blade to the number of cycles desired and then tested.
- 7. The first test consisted of having current run through the contact point and measuring the voltage drop at the specified intervals.
- 8. The second test consisted of having the gold thickness tested at the specified intervals.
- 9. The last test consisted of having the normal force tested at the specified intervals.



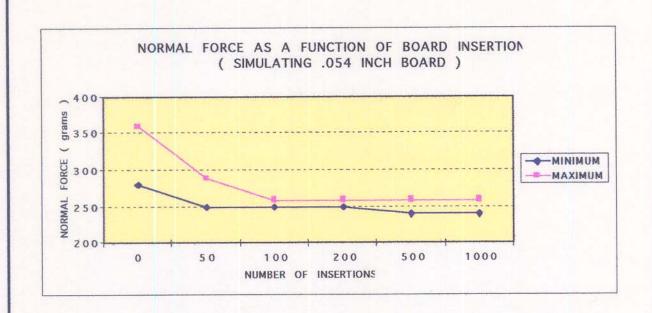


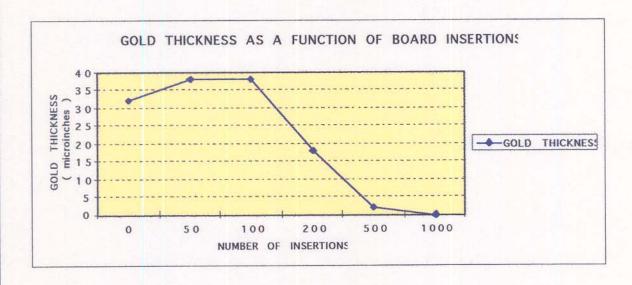


** CONTACT RESISTANCE MEASURED BETWEEN .062 INCH PC BOARD AND CONNECTOR TERMINATIONS.









** MINIMUM GOLD THICKNESS READINGS.



EOUIPMENT LIST

SERVICE.

1. DC POWER SUPPLY

HEWLETT PACKARD MPB MODEL 6282 A

DIGITAL MULTIMETER

KEITHLY 177 MICROVOLT DMM

SULLINS ELECTRONICS CORP.

MACHINE

HEWLETT PACKARD MPB MODEL 6282 A

KEITHLY 177 MICROVOLT DMM

SULLINS ELECTRONICS CORP.

JOHN CHATILLON & SONS MODEL DPP

GAUGE

5. GOLD THICKNESS TEST WAS PERFOMED AT ELECTRONIC PLATING

