S E R V I C E N O T E

SUPERSEDES: 3070-57A

Agilent 3070 Board Test System

Serial Numbers: All Agilent 3X79 and 79000 systems with xDSL MUX boards US39090100 through US39090113 and US39090117

To Be Performed By: Agilent-Qualified Personnel or Customer

The E2195-66520 xDSL MUX board used in Agilent 3X79 and 79000 Telecom systems has a wrong value pulldown resistor (R11) placed.

Situation:

The E2195-66520 xDSL MUX board contains a reset circuit, which uses a pulldown resistor, R11, on the input of a logic gate. For the Serial Numbers listed above, R11 is incorrect. The incorrect R11 value is 4.64 KOhms (P/N 0699-3044). This incorrect value is too large. The correct value is 215 ohms (P/N 0699-2973).

This causes:

1. The input pins of the logic gate are held high, keeping the logic gate from toggling through its truth table and invalidating the output of the gate.

and

2. xDSL MUX relays can open immediately after closing or at other unpredictable times.

Continued

DATE: August 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ■ AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours			
LOCATION CATEGORY:	■ CUSTOMER INSTALLABLE ■ ON-SITE ☐ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	■ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: August 2001			
AUTHOR: NM	ENTITY: 0980	ADDITIONAL INFORMATION:			

Agilent Technologies

Ultimately, this results in erroneous measurements that may allow bad boards to pass as well as good boards to fail.

There is no risk of board damage because of the absence of DC voltage.

The tests that are affected by this problem are the "Longitudinal Conversion Loss" test and the "Idle Channel Noise" test.

As of August 15, 2000, MTD modified its production/final test process to include measuring resistor R11.

Solution / Action:

Each system has two E2195-66520 xDSL MUX boards that reside in Bank 2, slots 8 and 10. Both boards must be replaced.

MTD has set up the following exchange program to help monitor and track the replacement of the incorrect resistor on the xDSL MUX boards. Program & Process Implementation details:

MTD CONTACT:
Natasha Martin
Agilent Technologies Manufacturing Test Division
M/S AM113
815 14th ST SW
Loveland, CO 80537
E-mail: Natasha_martin@agilent.com
Phone: TN 679-2854

Process:

1. CEs must coordinate with the MTD contact to initiate the exchange of the xDSL MUX boards (P/N 0699-2973). Please provide the following information to the MTD contact:
   A. Mailing address
   B. Scheduled date for on-site board exchange

2. CEs must return the original boards swapped from the customer system to the MTD contact immediately. A. E-mail the shipping/tracking number to the MTD contact

3. There are limited quantities of this board; therefore, to ensure that there are enough boards to filter through the exchange program with all customers and in a timely manner:
   A. CEs must return bad boards within 4 working days of receipt of good boards
   B. Your department will be billed for the two boards upon failure to return the 2 boards to MTD within the specified 4 working days

Note:

This program is dependent on sharing the stock of boards that MTD’s production department has in their pipeline. To limit the impact on new deliveries to our customers, it is important that MTD get the boards that were in your customer’s system back immediately.

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Action Required

Return E2 195-66520 boards to the following contact/address:

Agilent Technologies Manufacturing Test Division
c/o Natasha Martin
815 14th ST SW
M/S AM113
Loveland, CO 80357
(970) 679-2854