SUPERSEDES: E3101A-04

E3101A: 4071A Semiconductor Parametric Tester

Serial Numbers: JP10D00101 / JP10D00197

Optical communication quality improvement

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Quantity
E3120-69551	TH CPU BOARD(*)	1
E3160-66532	OPTICAL I/F BOARD	1
E3120-61603	OPT CABLE;A PAIR	1

Note: If the service note E3101A-04 has already been implemented, the E3120-61603 is not necessary.

Situation:

The following symptoms may be caused by the bad quality of optical communication interface hardware:

1. The following message is displayed on the CONSOLE window or root screen:

Slot(x):Fifo(x):Wrong data sequence. wrong(xx) expect(0)

Continued

DATE: August 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ■ AGREEABLE TIME	STANDARDS: LABOR 1.5 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 2000			
AUTHOR: ET	ENTITY: 3301	ADDITIONAL INFORMATION: -04A is a complete revision, therefore there is no revision bar.			

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2. A warning message telling you the time out occurrence is displayed.

3. X windows hangs up.

4. CRC error may occur when the testhead firmware is updated.

Since the communication program has retry capability, a few miss-communications do not result in the error. An error will occur when too many miss-communications result.

Solution / Action:

HSTD directly contacts local CEs to implement this service note, and sends necessary parts. CE determines if service note E3101A-04 has already been performed and then contacts customer. CE replaces the old OPTICAL I/F BOARD (E3160-66502 or E3160-66512), TH CPU Board (E3120-66501 or E3120-69501), and E3120-61602 OPT CABLE at customer site.

To verify the optical communication quality, execute the following command:

    $ ./optcrc <slot#> [loop number]
    slot#: Slot number where the optical I/F card is installed on the CPU.
    Loop number: The number how many times the program check the optical communication.

The "optcrc" can be obtained from the HSTD's FTP server as follows:

agilentyidmk.jpn.agilent.com (15.74.51.51) ~ftp/dist/dc_para/4070/utilities/optif_check/.....

After the implementation of this service note, old partsmust be returned to HSTD.

If you have non-exchange parts: E3160-66502 or E3160-66512, in your service inventory, please return to HSTD. For details, please contact "HSTD, Svc-Support".

If you have any question, please send your message to "HSTD, Svc-Support".