S E R V I C E   N O T E

SUPERSEDES: NONE

E1610A 34 Mb/s E3 Line Interface for Broadband Series

Serial Numbers: AU00000000 / AU99999999 (All Serial Numbers)

Required modifications not completed on exchange parts.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E1610-69000	E1610A Exchange	1

Situation:

Required modifications to some E1610A exchange modules P/N E1610-69001 were not fully implemented. The effect is that spurious alarms or errors may be generated when the exchange module is installed.

Solution / Action:

Identify the Circuit board revision as shown in the diagram and determine if ALL the modifications described have been done. All parts without the required modifications completed should be marked as such **ON THE PART** and returned as defective.

Continued

DATE: September 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☑ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 0.5 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: September 1998			
AUTHOR: DH	ENTITY: 0Y900	ADDITIONAL INFORMATION:			

Agilent Technologies

Instructions

- Using proper ESD protection and a TORX driver tool, remove the screws which hold the module cover and shell together.

- Loosen the screws on the module front panel.

- Remove the module right hand cover (looking from the front).

- Remove the daughter cards from the assembly.

- Remove the screws holding the motherboard to the metalwork shell.

- Remove the motherboard for inpection of the underside.

- Inspect the motherboard (E1695-64001)for the revision number on the under side as shown in Figure 1.

- Check for the modifications as shown in Figure 1 and described below.

Revision C Motherboard PCA

 - No Action required, the part can be used for service.

Revision A Motherboard PCA

If the version of the motherboard is REV A, the module is to be returned irrespective of modifications.

Revision B PCA

If the version of the motherboard is Rev B, then the following modifications should be apparent (See Fig 1 also).

- 51R1 Resistor and 1nf Capacitor from Pin 1 of U66 to ground.

- 51R1 Resistor and 1nf Capacitor from Pin 1 of U67 to ground.

- Wire link on rear of PCA between pin P1 of U6 and Pin 9 (lifted) of U5 then to pin 9 of U4 (lifted).

- 51R1 Resistor and 1nf Capacitor in series from U13 pin 3 to U13 pin7.

- 51R1 Resistor and 1nf Capacitor in series from U13 pin 11 to U13 pin7.

- 82R5 Resistor and 1nf Capacitor in series from U24 pin 5 to U25 pin 16.

- 82R5 Resistor and 1nf Capacitor in series from U24 pin 10 to U25 pin16
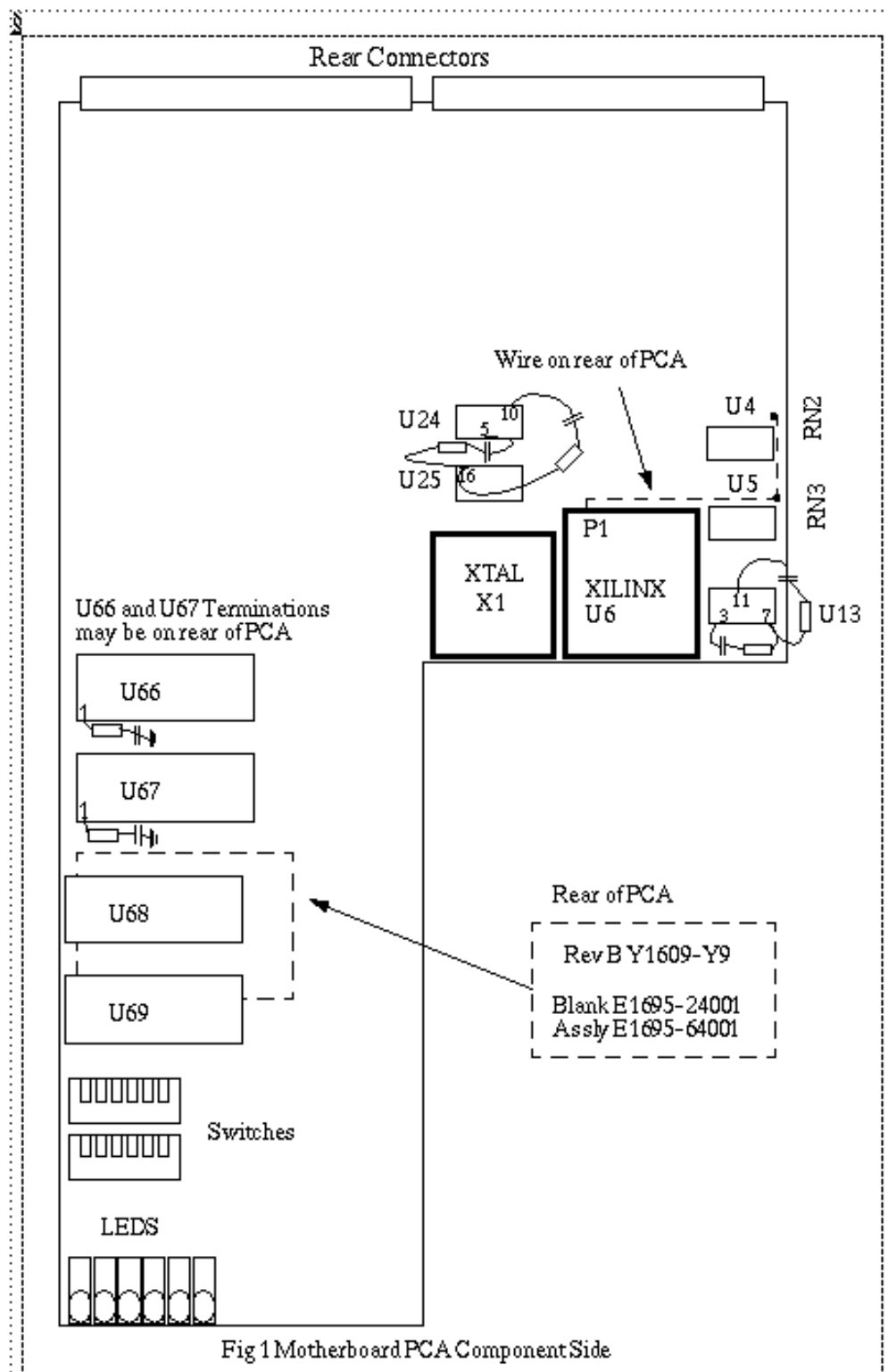
If all of the above modifications have not been done,please return the complete, reassembled module, with an accompanying note attached to the module, identifying it as "For modification as per Service Note E1610-02".

Please return the module properly packed for shipment, to:	For queries concerning this service note call:
Agilent Technologies Australia Communications Measurements Division 347 Burwood Highway Burwood East 3151 Victoria Australia Att: Tracy Finnerty	Doug Hayne, Communications Measurements Division +61 3 92105518

E1610A E3 34 Mb/s LIF Modifications

Rear Connectors

Wire on rear of PCA

U24 10
5
U25 16

U4   RN2

U5   RN3

P1

XTAL
X1

XILINX
U6

U13
11
3   7

U66 and U67 Terminations
may be on rear of PCA

U66
1

U67
1

U68

U69

Rear of PCA

Rev B Y1609-Y9

Blank E1695-24001
Assly E1695-64001

Switches

LEDS

Fig 1 Motherboard PCA Component Side

Figure 1