S E R V I C E   N O T E

SUPERSEDES: None

E1351A 16 Channel FET Multiplexer

Serial Numbers: 3035A00101 / 3035A00137

Modification to prevent high environmental noise from causing random errors and disrupting bus communications.

To Be Performed By: Agilent-Qualified Personnel

Duplicate Service Notes:
E1351A-01
E1352A-01
E1353A-01
E1357A-01
E1358A-01

Parts Required: Jumper Wire (22 gauge or equivalent)

Situation:
The E1351A is sometimes susceptible to environmental noise which can initialize RAM improperly and cause random errors.

Continued

DATE: 01 June 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 0.5 Hour			
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: June 1993			
AUTHOR: KD	ENTITY: 0900	ADDITIONAL INFORMATION: Internal reference PCO 09-28409			

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One symptom is an invalid "busy" state, disrupting normal bus communications. This may cause error messages such as "IRQ SWITCH SET WRONG" or "FAILS 'BUSY' TEST".

Solution/Action:
To prevent the above condition from causing a problem, ground the enable line on U3 as follows:

CAUTION:
The E1351A contains static-sensitive devices. Use an approved ESD safe workstation for this modification!

On the circuit side of the E1351-26501 board, using a jumper wire, connect pin 7 of U3 to pin 14 of U3 (circuit ground).