

MODIFICATION RECOMMENDED

3070-85

S E R V I C E N O T E

Supersedes:
None

Agilent Medalist i3070 and i3070 Series 5 In-Circuit Test System

Serial Numbers:

E9901D – ALL; E9902D – ALL; E9903D – ALL; E9905D – ALL
E9901E – ALL; E9902E – ALL; E9903E – ALL; E9905E – ALL

**Control XTP card new firmware version “xtp_11060116_1.xsvf”
(Old NEC 4Mx4bit SRAM and New NEC 2Mx8bit SRAM)**

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 0.0 Hours
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 31 Dec 2012	
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ADDITIONAL INFORMATION:			

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Situation:

The “**10071517_1.xsvf**” firmware that released through service note 3070-82 for supporting new NEC 2Mx8bits SRAM on Control XTP cannot perform ‘data polling’ in flash ISP test.

Solution/Action:

The new control XTP firmware version “**11060116_1.xsvf**” is backward compatible for both the old NEC 4Mx4bit SRAM and the NEC 2Mx8bit SRAM.

- A. Check the firmware version
 - 1) Execute the testhead diagnostics application by double clicking on the “DGN” icon on the desktop (alternatively, type “dgn” at the command prompt in a shell window)
 - 2) To boot up the testhead,
 - i. Click on “Testhead Functns” (F4) and click on “Testhead Power On” (F1)
 - ii. After the testhead is boot up, look at the statement starting with “Control Card:”
 - iii. Take note of the numbers after “XTP Rev:”
 - iv. If the numbers are “**02020812_1**”, then the firmware revision installed is the old revision.
 - v. If the numbers are “**10071517_1**”, then the firmware revision installed is the old revision.
 - vi. If the numbers are “**11060116_1**”, then the correct updated firmware revision is installed on the Control XTP card.
- B. Get the correct firmware version
 - 1) First download the firmware from <http://www.agilent.com/see/i3070patches>
 - 2) Search for “XTP Firmware” at the above website
 - 3) Download the file “**xtp_11060116_1.xsvf**” from the website.
 - 4) Copy it into the “lib” directory “C:\Agilent_ICT\lib” on your controller
 - 5) Locate the file “C:\Agilent_ICT\lib\xtp.xsvf” and rename it to other name.
 - 6) Rename the file “**xtp_11060116_1.xsvf**” to “xtp.xsvf”
 - 7) **Proceed to step “C” to perform firmware update to Control XTP.**
- C. Program the new firmware into the Control XTP card (one time only process)
 - 1) Boot up the testhead as described above.
 - 2) Launch the diagnostics application.
 - 3) Click on “Configuration” and click on “Programmable Card Config”
 - 4) Click on “Update All” (F1) button to program all the Control XTP cards on the testhead.
(Note: Please ensure that the expected value should be **11060116_1** before updating)

Menu Select

Programmable Card Configuration

Mod	Slot	CardName	HardwareID	Actual	Expected
2	1	Nasru	chipset	91816090_1	91816090_1
2	6	ControlXTP	Seq FPGA	11060116_1	11060116_1
3	1	Nasru	chipset	91816090_1	91816090_1
3	6	ControlXTP	Seq FPGA	11060116_1	11060116_1

Update All Goto Start Halfway to Start Previous Page **dgn.exe** Next Page Halfway to End Goto End Exit

Constraints of the upgrade:

- a. The firmware will only work on software release 05.21p and above. For example, for users who are on Unix version 05.00p, and are using the new Control XTP cards, they will have to upgrade to software release 05.21p before they can use the firmware and new Control XTP cards.
- b. The firmware will also work with Control XTP cards that are “downgraded” to XT when they are loaded on a system with Control XT cards.