

# Modification Recommended Service Note

Supersedes:  
E9902G-02

## Keysight i3070 In-Circuit Test System Installed with XTPB Cards

Serial Numbers: ALL

Manufacturing ID Number: N/A

### The Problem:

New control XTPB card firmware to adjust the delay time for relay opening, to resolve intermittent relay failures observed on pin cards when working together with XTPB cards.

Firmware update can be installed by customer.

### Parts Required:

NONE

### ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	0.5 Hours
LOCATION	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> SERVICE CENTER	INVENTORY:	<input type="checkbox"/> SCRAP
	<input checked="" type="checkbox"/> ON-SITE (active On-site contract required)		<input type="checkbox"/> SEE TEXT
	<input type="checkbox"/> CHANNEL PARTNERS	USED	<input type="checkbox"/> RETURN
		PARTS:	<input type="checkbox"/> SCRAP
			<input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	Always
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	PL80
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	Eric Xu

### ADDITIONAL INFORMATION:

Situation:

It is reported that certain analog powered tests may cause intermittent relay failures on double density (DD) pin cards in a i3070 system loaded with control XTPB cards.

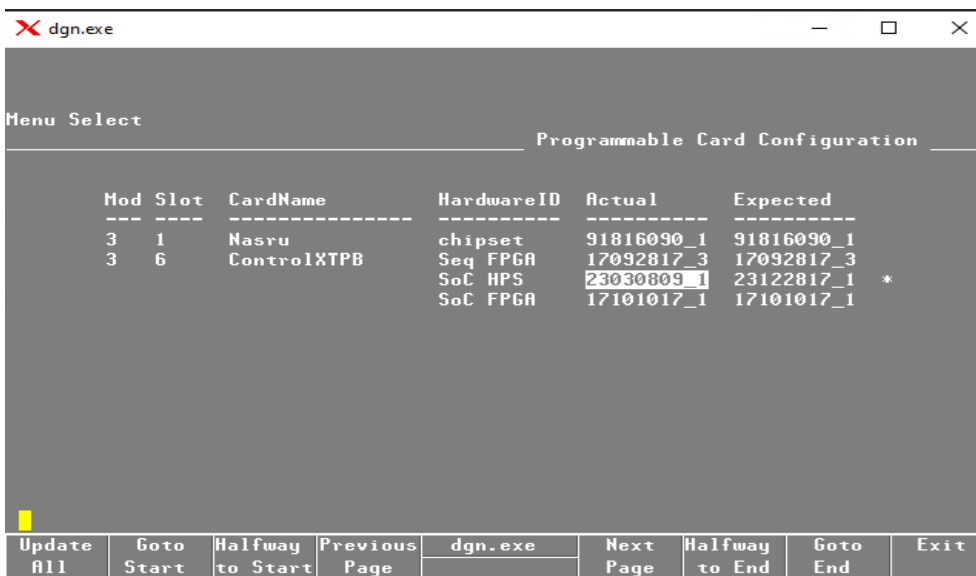
Solution/Action:

A new firmware (version: v23122817\_1) for XTPB card has been developed to address this issue. The new firmware can be downloaded from Keysight.com and the firmware update can be done by the user via DGN. Please note:

1. This ONLY applies to i3070 MUX system with XTPB cards installed.
2. The firmware update is independent of the system software version if it is 10.0p and above.

Upgrade Procedure:

1. Download the latest firmware update file (XTPB\_SoC\_HPS\_Mux.img) from [Keysight i3070 Control XTPB card firmware update | Keysight](#)
2. Copy the file to C:\i3070\_ICT\lib folder in the i3070 system controller after renaming the original file there.
3. Launch DGN.
4. Select Configuration > Programmable Card Config.
5. Any available firmware updates will be highlighted as shown below:



6. Select Configuration > Programmable Card Config.
7. Select "Update All" to begin the update.
8. Whenever the User Account Control dialog box appears, select "Yes" to allow the system to proceed.
9. When installation is completed, reboot the testhead.

Revision History:

Date	Service Note Revision	Author	Reason for Change
08 Feb 2024	01	EX	As Published
15 Feb 2024	02	EX	Update to include broader system coverage