Modification Recommended Service Note

Supersedes:
NONE

Keysight i3070 Series 6 In-Circuit Test System

Serial Numbers: ALL
Manufacturing ID Number: N/A

The Problem:
Intermittent T3610 errors during Diagnostics (DGN) on certain batches of pin cards in MUX system with XTPB cards installed.
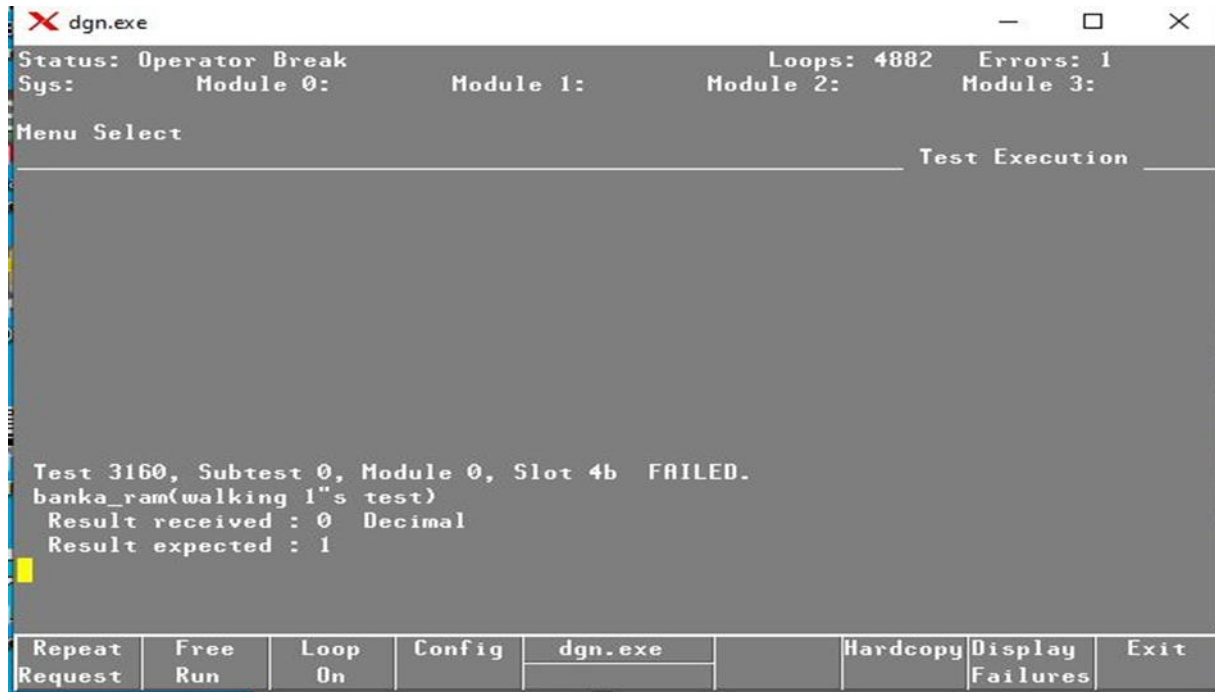
Parts Required:
NONE

ADMINISTRATIVE INFORMATION

ACTION CATEGORY:	[x] ON SPECIFIED FAILURE [ ] AGREEABLE TIME	STANDARDS LABOR: 0.0 Hours			
LOCATION CATEGORY:	[x] CUSTOMER INSTALLABLE [ ] ON-SITE (active On-site contract required) [ ] SERVICE CENTER [[]] CHANNEL PARTNERS	SERVICE: [[]] RETURN INVENTORY: [[]] SCRAP [[]] SEE TEXT		USED PARTS: [[]] RETURN [[]] SCRAP [[]] SEE TEXT	
AVAILABILITY: PRODUCT'S SUPPORT LIFE		NO CHARGE AVAILABLE UNTIL: 24-May-2023			
	[ ] Calibration Required [x] Calibration NOT Required	PRODUCT LINE: PL80 AUTHOR: Eric Xu			

ADDITIONAL INFORMATION:

Situation:

All i3070 Series 6 systems are currently shipped with control XTPB cards. Intermittent T3610 errors are reported during Diagnostics (DGN) on certain batches of pin cards in MUX system only. The following is a screenshot of some of the failures:

Solution/Action:

A new firmware (v22040514_2) 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 via DGN.
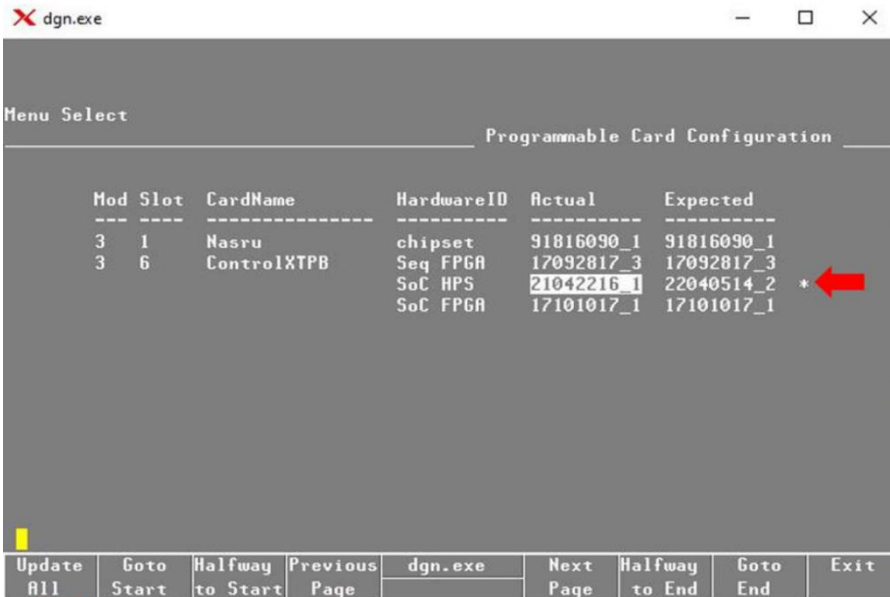
It is recommended to do the firmware update if the intermittent T3160 errors are encountered, please note:

1. This ONLY applies to i3070 MUX system with XTPB cards installed.

2. The firmware update is independent on the system software version if it is 10.0p and above.

Upgrade Procedure:

1. Download the following 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 "Update All" to begin the update.

7. Whenever the User Account Control dialog box appears, select "Yes" to allow the system to proceed.

8. When installation is completed, reboot the testhead.

Revision History:

Date	Service Note Revision	Author	Reason for Change
22 May 2022	01	Eric Xu	As Published