Modification Recommended Service Note

Supersedes: NONE

U7179A 16-Channel High Current Load Card up to 15A

Serial Numbers: MY58120772 to MY58121103

The Problem – Wrong hardware ID detection on U7179A load card by System Configuration Editor (SCE) software when there are 10 or more cards in the E6198B SLU and it happens only on the left most slot of U7179A card.

Parts Requ i P/N	ired:	Description		Qty.			
U7179-81000		High Current Load Card up to 15A		x1			
ADMINISTR	ATIVE INF	ORMATION					
	[X] ON SPE [[]] AGREE	ECIFIED FAILURE ABLE TIME	STANDARDS LAI	RDS LABOR: 2.0 Hours			
CATEGORY:		E CENTER E (active On-site contract required) IEL PARTNERS	SERVICE: INVENTORY:	[X] RETURN [[]] SCRAP [[]] SEE TEXT	USED PARTS:	[X] RETURN [[]] SCRAP [[]] SEE TEXT	
AVAILABILITY:	PRODUCT	'S SUPPORT LIFE	NO CHARGE	AVAILABLE UNTIL:	July, 2025		
		tion Required tion NOT Required	PRODUCT L AUTHOR: M				

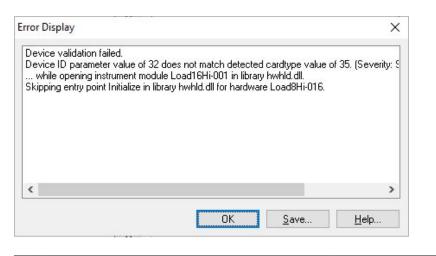
ADDITIONAL INFORMATION:



Situation:

If all load cards are populated in the E6198B SLU (see screenshot), the hardware ID of the U7179A load card in the left-most slot (slots 1 or 3) is not recognized correctly. The correct ID for U7179A card is 32, while the invalid IDs that have been observed could be 33, 35,36, 37, 38, 39, 40, 41, 44, 46, and 47 (not fixed).

i.e. TestExec gives the following error message when it starts:



now All Devices That Are	Detected an austom	ed on system (but not in t Module Configuration)	he	Current Module Configu Show All Modules Show Enabled Mod		em Topology) Wires & Aliases	Edit	Delete
Device ID	Description Keysight Switch/Load Unit Keysight 64-Pin Matrix & Ins Keysight 64-Pin Matrix Modul Keysight 64-Pin Matrix Modul User selection required Load Card (Dual 16-Channel) Load Card (Ha-Channel) Load Card (Ha-Channel) Load Card (Ha-Channel) Load Card (Ha-Channel HI) User selection required	Location Switch Unit 0 Switch Unit 0, Slot 21 Switch Unit 0, Slot 20 Switch Unit 0, Slot 19 Switch Unit 0, Slot 13 Switch Unit 0, Slot 10 Switch Unit 0, Slot 10 Switch Unit 0, Slot 03 Switch Unit 0, Slot 03	Add >>	Module Name TepX115 TepX117 TepX117 TepX117 TepX119 TepX119 TepX119 TepX119 TepX119 TepX119 TepX10 TepX10 TepX10 TepX10 TepX10 TepX10 TepX10 TepX10 Te	Device ID	Location		Enabled

Hardware ID detection error only occurred if there are 10 or more cards in the SLU and happened at the leftmost slot of the U7179A card. It is determined that delay in control signals that are fed to the ID IC will result in different U7179A ID. This delay causes the time mismatch on the timing diagram thus affecting U7179A ID signals.

Solution/Action:

When the U7179A load card is identified within the affected serial number range, replace the U7179A load card with U7179-81000. Otherwise, assume that the U7179A load card has no timing issue and do not proceed with this Service Note.

Revision History:

Date	Service Note Revision	Author	Reason for Change	
11 Sep 2023	01	MC.Lim	As Published	