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PXI-2571

Board Assembly Part Number(s)

Part Number	Description
151492A-01L or later	PXI-2571

Manufacturer: National Instruments

Volatile Memory

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing ¹
SRAM	128 kbyte	Yes/Yes	No	Stores relay scanlists	Cycle Power
FPGA Block Ram	119 kbit	Yes/Yes	No	Stores relay counts, states	Cycle Power

Non-Volatile Memory

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
FLASH	4 Mbit	No/Yes	No	Stores PCI configuration data, serial number	None available to user
FLASH	4 Mbit	No/Yes	No	Stores relay module config, relay cycle counts, scan lists	None available to user
CPLD	64 Macrocells	No/Yes	No	Operates relay drivers	None available to user

Media Storage

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
NONE					

¹ The designation *None Available to User* indicates that the ability to clear this memory is not available to the user under normal operation. The utilities required to clear the memory are not distributed by National Instruments to customers for normal use.

Terms and Definitions

User Accessible User accessible memory allows the user to directly write or modify the contents of the memory during normal instrument operation.

System Accessible System accessible memory does not allow the user to access or modify the memory during normal instrument operation, however, may be accessed or modified by background processes. This can be something that is not deliberate by the user and can be a background driver implementation, such as storing application information in RAM to increase speed of use.

Cycle Power The process of completely removing power from the device and its components. This includes a complete shutdown of the PC and/or chassis containing the device; a reboot is not sufficient for the completion of this process.

Volatile Memory Volatile memory requires power to maintain the stored information. When power is removed from this memory, its contents are lost.

Non-Volatile Non-volatile memory retains its contents when power is removed. This type of memory typically contains calibration or chip configuration information, such as power up states.