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PCI-8531



Board Assembly Part Number(s)

Part Number	Description
194923F-01L	PXI-8512/1
194923E-02L	PXI-8512/2
198980E-01L	PCI-8512/1
198980E-02L	PCI-8512/2
194923F-41L	PXI-8513/1
194923E-42L	PXI-8513/2
198980E-41L	PCI-8513/1
198980E-42L	PCI-8513/2
194923F-21L	PXI-8511/1
194923E-22L	PXI-8511/2
198980E-21L	PCI-8511/1
198980E-22L	PCI-8511/2
194923F-81L	PXI-8531
198980E-81L	PCI-8531
194923F-11L	PXI-8532
198980E-11L	PCI-8532

Manufacturer: National Instruments

Volatile Memory

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
SRAM 256MB	4MB/Port	No/Yes	No	Data buffering	Cycle Power
FPGA Block Memory	92 Kbit	No/Yes	No	Data Buffering	Cycle Power

Non-Volatile Memory

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
Flash	16 Mbit	No/Yes	No	Configuration, stores FPGA bit file and programmable power-up states	None available to user

Media Storage

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

Terms and Definitions

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

System Accessible Does not allow the user to access or modify the memory during normal instrument operation. However, system accessible memory 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 process 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 Requires power to maintain the stored information. When power is removed from this memory, its contents are lost.

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