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**PXI-2586**

**Board Assembly Part Number(s)**

Part Number	Description
191822D-01L or later	PXI-2586
191822C-01	PXI-2586

**Manufacturer:** National Instruments

**Volatile Memory**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing <sup>1</sup>
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
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NONE

<sup>1</sup> 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.

**Board Assembly Part Number(s)**

Part Number	Description
191822B-01	PXI-2586
191822A-01	PXI-2586

**Manufacturer:** National Instruments

**Volatile Memory**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing <sup>2</sup>
SRAM	128 kbyte	Yes/Yes	No	Stores relay scanlists	Cycle Power
FPGA Block Ram (Acex 1k50)	40 kbits	Yes/Yes	No	Stores relay counts, states	Cycle Power

**Non-Volatile Memory**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
EEPROM	64 kbits	No/Yes	No	Stores PCI configuration data, serial number	None available to user
EEPROM	64 kbits	No/Yes	No	Stores relay module config, relay cycle counts	None available to user
EEPROM	1.6 Mbit	No/Yes	No	Stores FPGA configuration	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
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NONE

<sup>2</sup> 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** 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.