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LaserWriter Pro 630: PDS Connector Jumper Information (11/94)

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TOPIC -----

I noticed a small jumper on the large, white PDS connector on the LaserWriter Pro 630 I/O board. What is this jumper for?

DISCUSSION -----

Shortly after the LaserWriter Pro I/O controller board production began, engineering discovered that the cache had not been enabled. An orange jumper was added to the first 5,000 boards produced tying the cache enable signal (J13-A40) to +5 volts DC (J13-A37) on the PDS connector. The board layout that requires the jumper can be identified by the numbers 820-0371-01 printed next to the PDS connector.

The number 01 indicates that it is the first revision board.

It enables a RAM cache on the board providing a performance gain of approximately 13%. Removing the jumper would result in a corresponding drop in performance.

Later revisions of the board have the cache enabled on the board itself. In order to prevent potential problems with customers forced to remove the jumper when adding an accelerator card to the PDS connector, potential third party PDS card developers were advised to short the pins on all of their board designs to eliminate the possibility of impacting printer performance.

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