
MODEL 500P

HARD DRIVE CARD

The IED Model 500P Hard Drive Card is a component of the IED 500ACS Announcement Control System. It is used for non-volatile storage of programs and data such as the operating system, the control program, the configuration files, and permanent message takes.

The 500P includes a "watchdog timer" whose function is to reset the ACS if it should stop running for any reason. If the "watchdog timer" times out, it sends out a reset pulse, resetting the ACS. If the CPU (therefore the ACS) is running, it sends refresh pulses to the "watchdog timer", resetting it before it can time out.

The 500P card also includes a manual reset switch located on the front edge of the 500P card. (Refer to Figure 1). The manual reset switch, when pressed, resets the ACS regardless of the state of the "watchdog timer" or the ACS.

An on-board voltage regulator steps the +15 VDC system power to +12 VDC, which together with the system +5 VDC supply is used to power the hard drive.

The second power connector on the card (see figure 1) can be used to power a portable floppy drive, if necessary, for system file update.



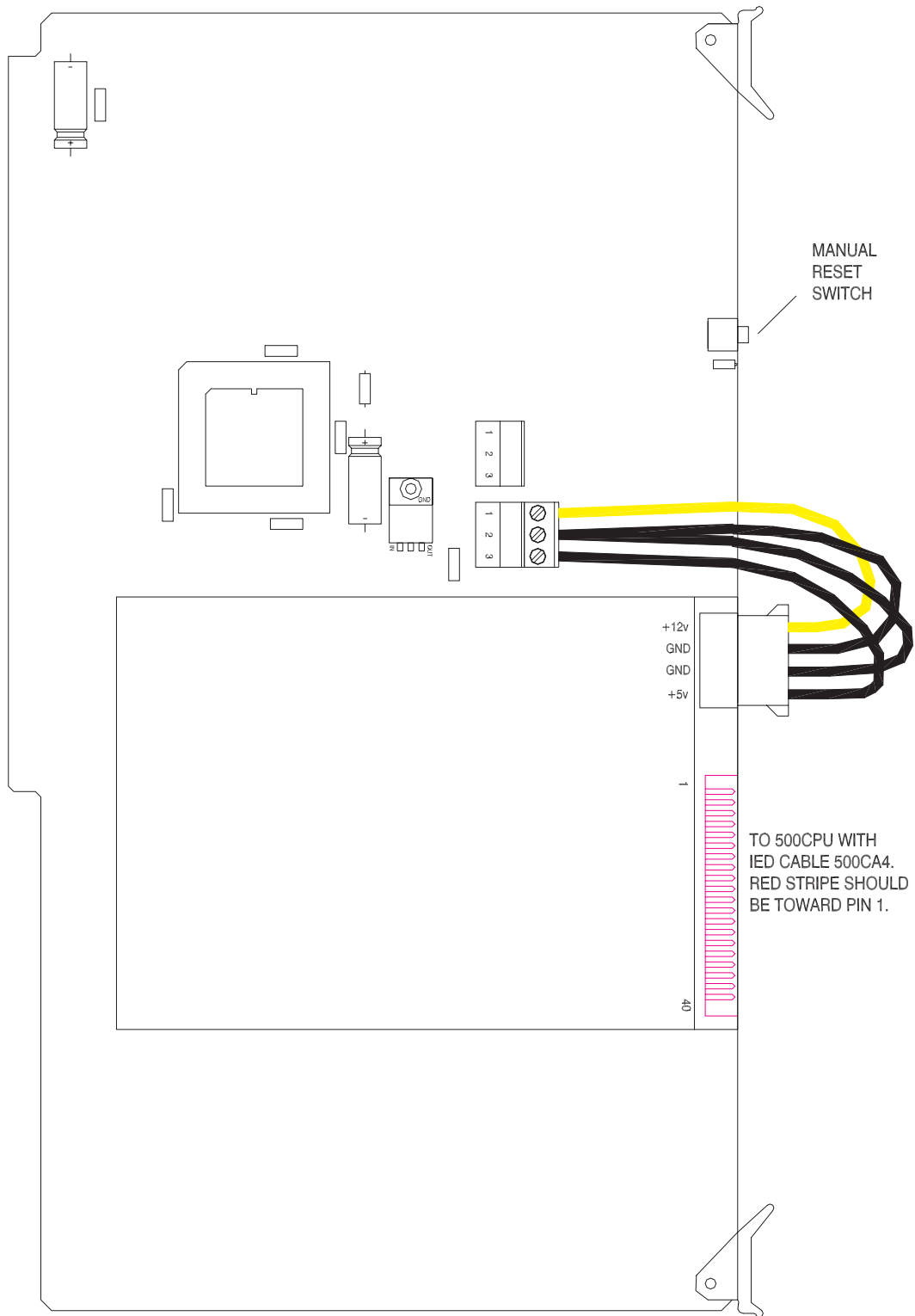


Figure 1 - 500P Card
Side View

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