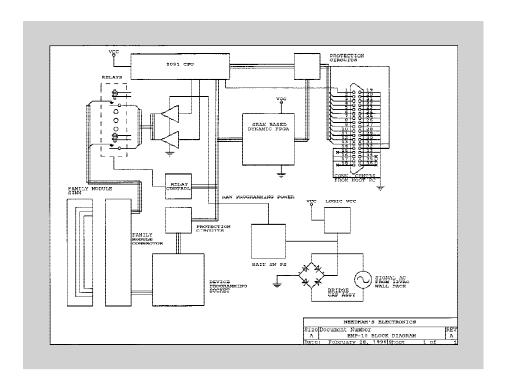
EMP-10

- Supports all Intel Flash memory components
- Standard parallel printer plug-andplay interface
- Menu-driven interface
- Included editor and macro functions
- Supports Intel HEX, Binary, Motorola S and JEDEC formats
- Free software updates via BBS and Internet
- Unlimited technical support by phone 8:00am to 5:00pm PS(D)T
- A full year warranty

The EMP-10, at less than \$200, is a limited capability system designed for the experimenter, student, hobbyist and for light engineering. It's a very small and compact unit that will program all Intel Flash memory components, most other programmable memories, most micros of the 8051 family and the 22v10 GAL. There is no planned upgrade beyond this. The main device programming station consists of a 40 pin ZIF that will handle wide or narrow pattern dual in-line devices. Adapters accommodate non-DIP package types. Also in this area is the "Family Module" connector. The devices that can be programmed at any given time are determined by which family module is installed. Family module boards reconfigure supply voltage, ground and pin driver capabilities for different device families (i.e., architectures). The use of relays and discrete DAC-controlled analog drivers provide power and grounds that are rock solid. Thus, the EMP-10 can program Intel Flash devices at near their theoretical maximum performance.

The operating interface, EMP, is DOS-based or functions as a well-behaved DOS application under Windows*. The included buffer editor allows the data to be placed exactly where you want it and provides HEX and ASCII strings as well as support for SPLITS, SETS AND SWAPS. Included is a flexible macro facility allowing frequently used



procedures to be stored, then executed with a key stroke.

The heart of the hardware design is an SRAM-based dynamic FPGA. Supported devices all have a unique FPGA configuration file. It's downloaded to the programmer by EMP as part of the device selection process.

INTEL FLASH MEMORY SUPPORTED:

28F010, 28F001BX, 28F020, 28F002BC, 28F002BL, 28F002BV, 28F002BX, 28F200BL, 28F200BV, 28F200BX, 28F200CV, 28F004BE, 28F004BL, 28F004BV, 28F004BX, 28F400BL, 28F400BV, 28F400BX, 28F400CE, 28F400CV, 28F400CE, 28F400CV, 28F008BE, 28F008BV, 28F008SA, 28F008SC, 28F800BV, 28F800CE, 28F800CV, 28F016SA, 28F016SC, 28F016SV, 28F016XD, 28F016XS, 28F032SA

AVAILABILITY:

Now

CONTACT:

Needham's Electronics Inc. 4630 Beloit Drive, Suite 20 Sacramento, CA 95838

Phone: (916) 924-8037 FAX: (916) 924-8065

WWW: http://www.quiknet.com/

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