NMIX-0021 F68HC11 CPU CARD

The NMIX-0021 is the F68HC11-based CPU board for the NMI "100 Squared"™ board series.

- F68HC11™ CPU

- Max-FORTH™ built-in programming language

- 231 predefined words in the language

- 3 parallel ports

- 1 Asynchronous Serial Ch. RS-232,422, or 485

- 1 Synchronous Serial Channel, TTL

- 8-channel, 8-bit A/D

- 8-bit counter

- 16-bit timer

- 3 input captures

- 5 output compares

- 1/2K EEPROM

- 8K RAM

- 64K address space

- Three 28-pin JEDEC memory sockets

- Flexible address decoding, socket assignments

- On-board Power Supply circuits: 7-18VAC input

- Battery backup circuits for memory

- 34-pin JEDSTACK™
  Vertical Stacking Connector (VSC)

The NMIX-0021 is a complete system, ready to develop, or run, dedicated applications. Simply plug in the supplied wall transformer, attach a host RS-232 port, and begin programming. Then, the user program can be added to its internal EEPROM, or its battery backed RAM, or by a user-supplied ROM/EPROM/EEPROM.

The "100 Squared"™ are the excellent building blocks when designing systems or stand alone single board computers.
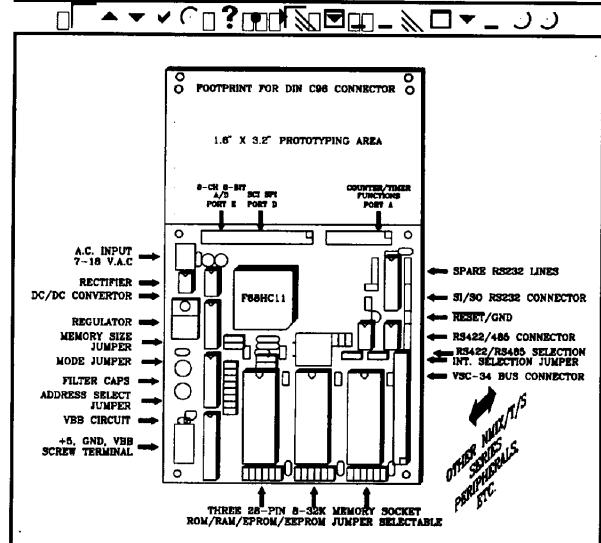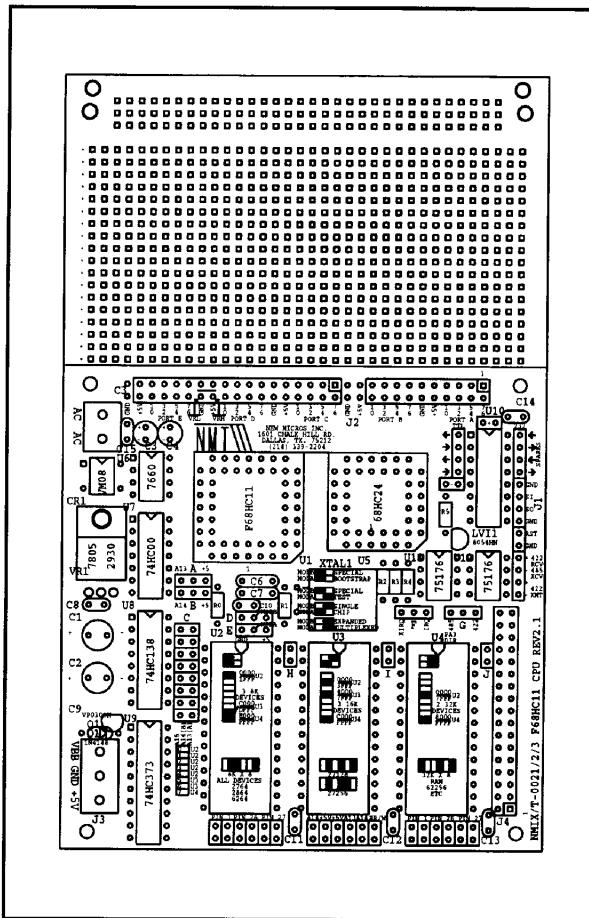
NMIX-0021 F68HC11 CPU CARD "100 Squared"
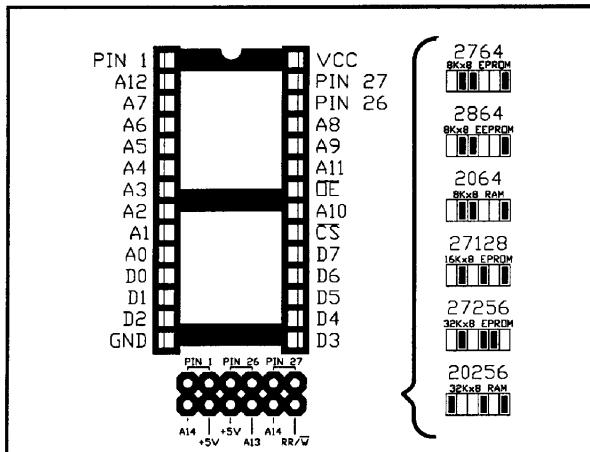
The "100 Squared"™ were named for their size, with 100x100mm of active component area, on a 100x160mm Eurocard format. The system is compatible with the New Micros NMIT and NMIS series computers. The VSC and the 28-pin JEDEC memory sockets have the same pinouts on all versions. Refer to the figure at the left.

Smart terminals, or personal computers with communications packages, can download source code to the NMIX-0021 via RS-232 ports. Interactive code development on the target system gives fast and efficient debugging. The built-in language gives machine level access.
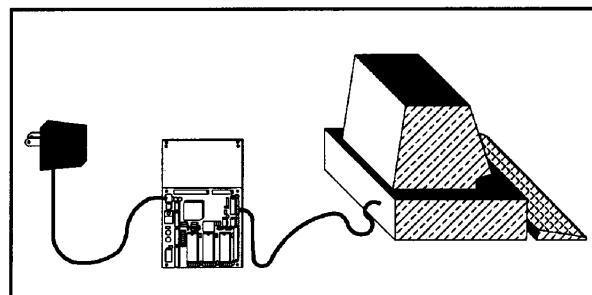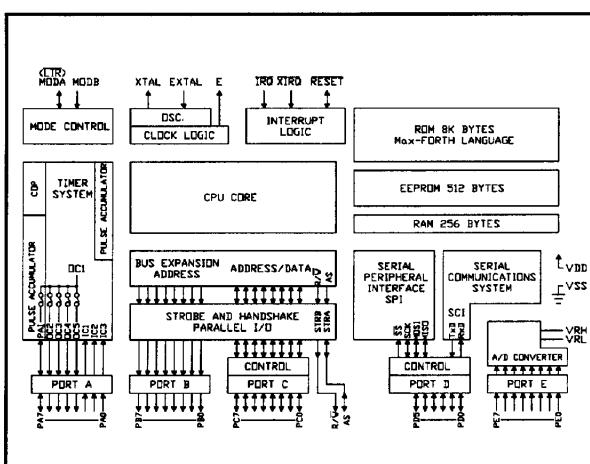
The NMIX-0021 makes a very cost effective solution as a development system for the 68HC11, particularly when size, CMOS low power, and ease of development are required. Few single board computer offers so many features in such a small space. High Level Language support offers resident FORTH and, optionally, BASIC and Assembly Language. FORTH and C cross compilers and cross assemblers are also available.

WORLD HEADQUARTERS   WORLDWIDE REPRESENTATIVES

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