

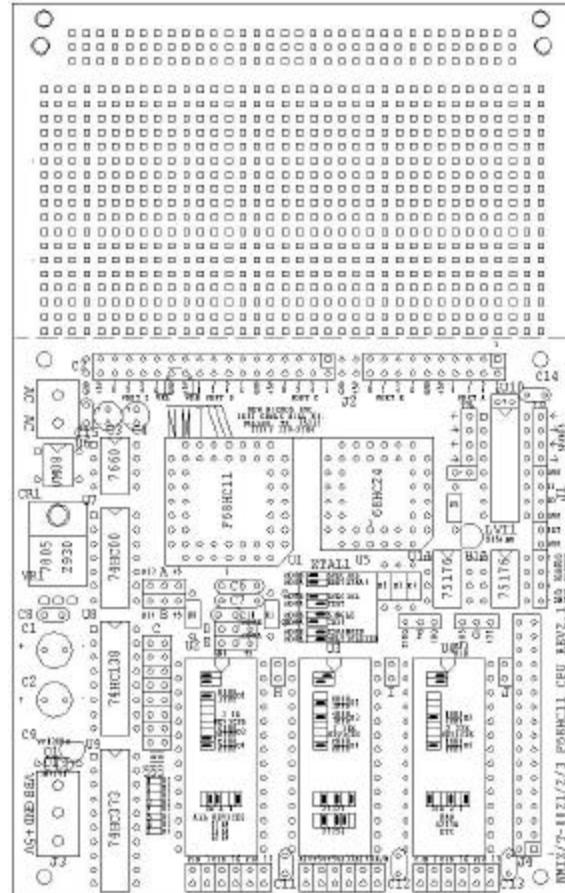


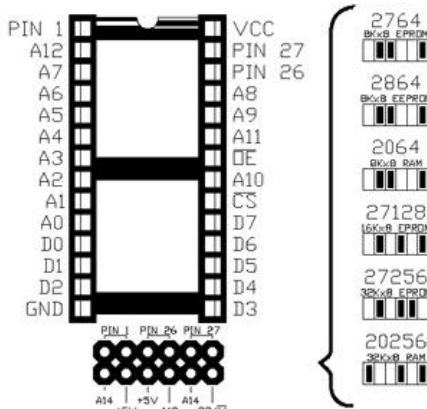
The NMIX-0022 is the F68HC11-based CPU board for the NMI "100 Squared"™ board series. The NMIX-0022 PS version adds manuals and wall transformer.

FEATURES

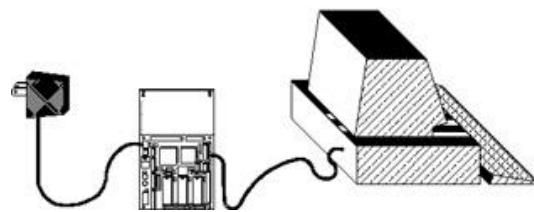
- F68HC11™ CPU
- Max-FORTH™ built-in programming language
- 231 predefined words in the language
- 5 parallel ports
- 1 Asynchronous Serial Ch. RS-232,422, or 485
- 1 Synchronous Serial Channel, TTL
- 8-channel, 8-bit A/D
- 8-bit counter
- 16-bit timer
- 3 input captures
- 5 output compares
- 1/2K EEPROM
- 8K RAM chip included
- 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-0022 is a complete system, ready to develop, or run, dedicated applications. Simply plug in the supplied wall transformer (PS version), attach a host RS-232 port, and begin programming. The user program can be stored in its internal EEPROM, battery backed RAM's, or in user-supplied ROM/EPROM/EEPROM.



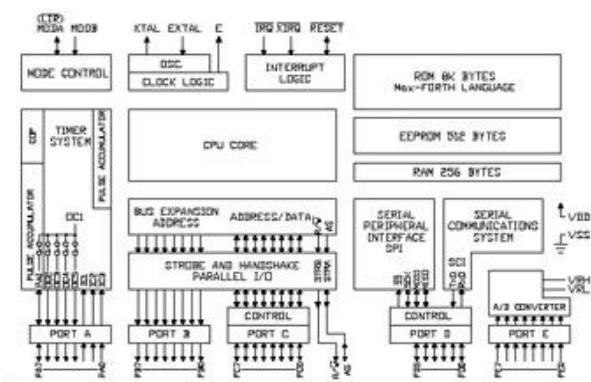


28-Pin JEDEC Memory Sockets



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

Smart terminals, or personal computers with communications packages, can download source code to the NMIX-0022 via RS-232 ports. Interactive code development on the target system gives fast and efficient debugging. The built-in language gives machine level access.



F68HC11 CPU Block Diagram

The "100 Squared"™ boards are excellent building blocks when designing systems or stand alone single board computers.

The NMIX-0022 is 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 computers offers so many features in such a small space. On-board High Level Language support offers resident FORTH and, optional BASIC and Assembly Language ROM's. FORTH and C cross compilers and assemblers are also available.