

NMIS-1055 82C55 PPI BOARD

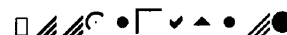
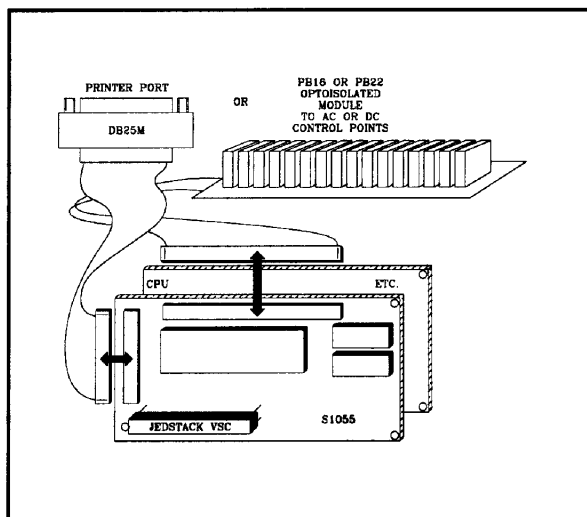
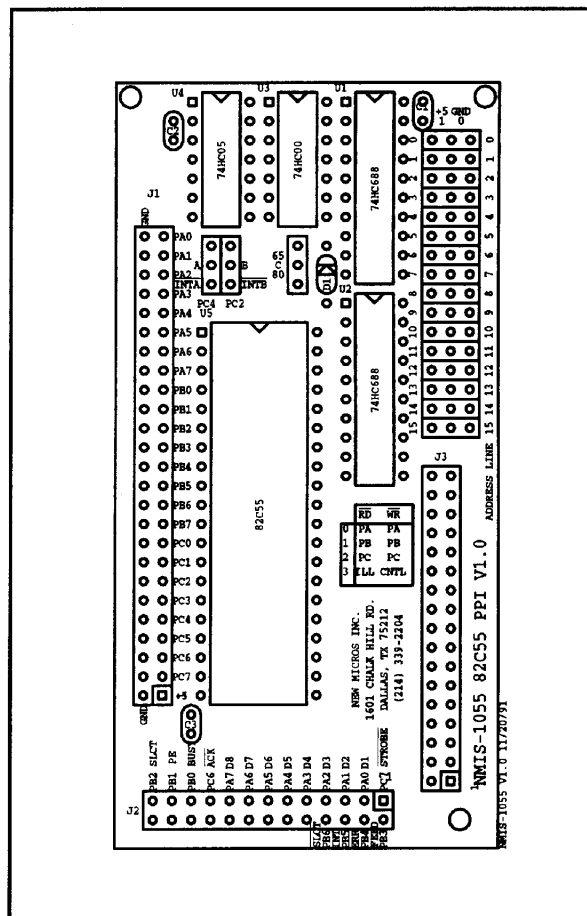
The NMIS-1055 82C55 Interface Adapter (PPI) Board provides a JEDSTACK™ computer system with 24 programmable I/O lines, or two 8-bit parallel ports with data latching and handshaking lines.



- Three 8-Bit Parallel Ports give 24 I/O pins
- Port A or B programmable as all input or output
- Port C programmable as I/O or handshake/edge-sensitive lines for Ports A and B
- Three basic operating modes
- Extended handshake capability allowing positive control of data transfers between processor and peripheral devices
- Connection for DB25 to PC compatible printer
- Connection for PB24, or individual I/O points
- Jumpers for interrupt control
- Jumper for Intel or Motorola type processor bus

The Intel 82C55 Programmable Peripheral Interface chip is mapped into the processor's address or I/O space by the card. The 82C55 controls three ports, Ports A, B and C, consisting of 24 I/O lines. The 82C55 has three operating modes. These are Basic I/O, Strobe Handshaking, or Strobed Bidirectional Bus I/O. Port A can be programmed with either all 8 lines as inputs, or, all outputs. The same is true of Port B. The direction of Port C lines are controlled by the mode. In Basic I/O, Port C acts like two 4 line ports. Either can be all 4 lines inputs, or all outputs. In the other modes, Port C lines take on input or output functions according to their handshaking function.

A Vertical Stacking Connector (VSC) in the lower right hand corner (top view) provides connections to the processor's address and data bus, control signals, 5V power and ground. Address decoding of the Programmable Peripheral Interface chip's space in memory is accomplished by two octal comparators and 16 two-position jumpers. The NMIS-1055 occupies 4 addresses. Any 4 byte boundary in the 64K address space of the JEDSTACK™ processor's bus can be selected by correct jumper placement.


NMIS-1055
82C55 PPI BOARD
2x4"s

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