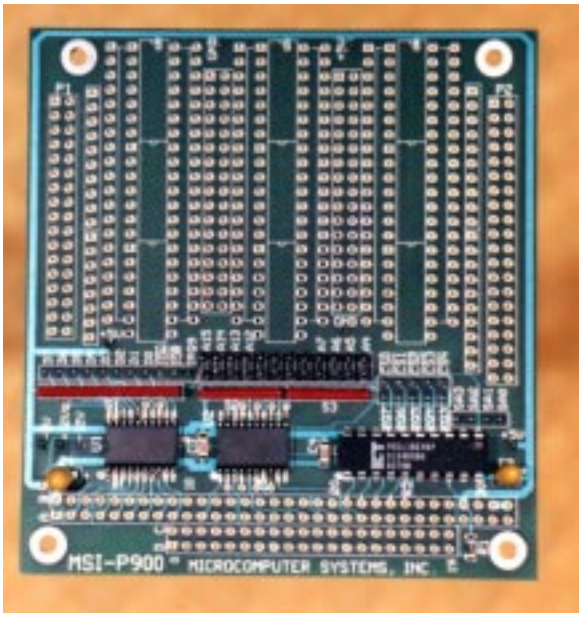
MSI PC/104
Embedded PC Series

MSI-P900 I/O PROTOTYPING CARD

FEATURES

- Provides rapid, simple implementation of user designs.
- 8-bit stackthrough PC/104 with I/O mapped 16-bit addressing.
- Fully decoded bi-directional 8-bit data bus (D0 thru D7).
- Four low-enable selects (CS0* - CS3*).
- Jumper selectable IOR*, IOW*, SA0 - SA3, interrupts IRQ3-IRQ7 & IRQ9, +5V, -5V, +12V, -12V and GND.
- Accommodates 8-pin thru 40-pin DIP sockets, SIPs, resistors, capacitors, etc.
- Provides for standard I/O connectors with 0.1" grid spacings (up to one each 34-pin and 40-pin).
- 100% testing and 48-hour burn-in.
- Two-year warranty from date of shipment.



DESCRIPTION

The MSI-P900 is an 8-bit PC/104 stackthrough prototyping card for simple, rapid hardware implementation of user designs. The card is I/O mapped using 16-bit addressing and provides a fully decoded bi-directional 8-bit data bus (D0 - D7), four low enable chip selects (CS0* - CS3*) decoded from jumper selectable addresses A6 - A15. Also provided are jumper selectable IOR*, IOW*, SA0 - SA3, IRQ3 - IRQ7 & IRQ9, +5V, -5V, +12V, -12V and ground.

Sixty percent of the card accommodates user supplied 8-pin thru 40-pin wire-wrap DIPs, SIPs, resistors, capacitors, transistors, etc., as well as standard I/O connectors (up to 40-pin) with 0.1" grid spacings. Solder pad connections are provided on the bottom surface for easy connections of devices to +5V and ground.

See schematic diagram on page 2.

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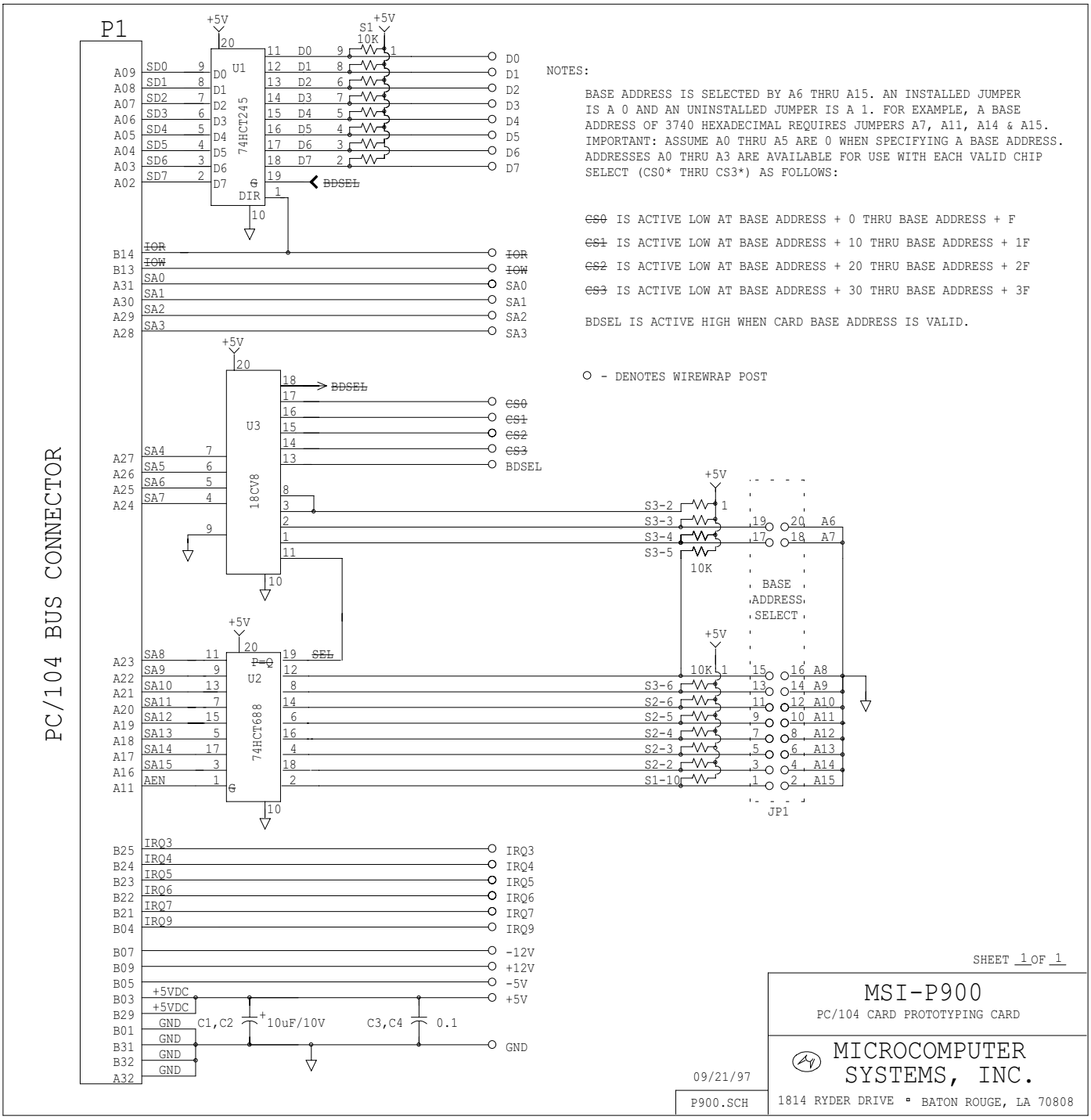

NOTES:

BASE ADDRESS IS SELECTED BY A6 THRU A15. AN INSTALLED JUMPER IS A 0 AND AN UNINSTALLED JUMPER IS A 1. FOR EXAMPLE, A BASE ADDRESS OF 3740 HEXADECIMAL REQUIRES JUMPERS A7, A11, A14 & A15. IMPORTANT: ASSUME A0 THRU A5 ARE 0 WHEN SPECIFYING A BASE ADDRESS. ADDRESSES A0 THRU A3 ARE AVAILABLE FOR USE WITH EACH VALID CHIP SELECT (CS0* THRU CS3*) AS FOLLOWS:

~~CS0~~ IS ACTIVE LOW AT BASE ADDRESS + 0 THRU BASE ADDRESS + F

~~CS1~~ IS ACTIVE LOW AT BASE ADDRESS + 10 THRU BASE ADDRESS + 1F

~~CS2~~ IS ACTIVE LOW AT BASE ADDRESS + 20 THRU BASE ADDRESS + 2F

~~CS3~~ IS ACTIVE LOW AT BASE ADDRESS + 30 THRU BASE ADDRESS + 3F

BDSEL IS ACTIVE HIGH WHEN CARD BASE ADDRESS IS VALID.

○ - DENOTES WIREWRAP POST

SHEET 1 OF 1

MSI-P900

PC/104 CARD PROTOTYPING CARD

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