

This board has two DB-9 male serial port connections

Serial Port #1

Port	Switch Settings	Interrupt Jumpers	Address
COM1: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X IRQ 4	3F8-3FF
COM2: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X IRQ 3	2F8-2FF
COM3: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X X IRQ2 IRQ4	3E8-3EF
COM4: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X X IRQ3 IRQ5	2E8-2EF

(CAN USE EITHER IRQ4 OR IRQ2)

(CAN USE EITHER IRQ3 OR IRQ5)

Serial Port #2

Port	Switch Settings	Interrupt Jumpers	Address
COM1: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X IRQ 4	3F8-3FF
COM2: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X IRQ 3	2F8-2FF
COM3: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X X IRQ2 IRQ4	3E8-3EF
COM4: Sw ON Sw OFF	1 2 3 4 X X	1 2 3 4 X X IRQ3 IRQ5	2E8-2EF

(CAN USE EITHER IRQ4 OR IRQ2)

(CAN USE EITHER IRQ3 OR IRQ5)

+5/Ring Indicator Jumpers

Two jumpers (W1 and W2) are provided on the Dual Port Serial Board to replace the ring indicator signal with +5 volts. This can provide power for a serial driven mouse. Jumper W1 provides +5 Volts for Serial #2. The jumper settings are the same for both serial ports. Refer to the following diagram.

L R L R

X	X
X	X
Ring Indicator	+5 Volts
Signal Setting	Setting*

*This jumper setting will cause the Dual Port Serial Board to fail the diagnostic serial port test.

"D"

PIN Signal	Direction
1 CD-Carrier Detect	To Dual Port Serial Board
2 RD-Receive Data	To Dual Port Serial Board
3 TD-Transmit Data	From Dual Port Serial Board
4 DTR-Data Terminal Ready	From Dual Port Serial Board
5 Ground	
6 DSR-Data Set Ready	To Dual Port Serial Board
7 RTS-Request To Send	From Dual Port Serial Board
8 CTS-Clear To Send	To Dual Port Serial Board
9 +5/RI-Ring Indicator	To Dual Port Serial Board

NOTE

The UART chip on the board will not keep up with the faster speed of the T3000 and T4000 models. Check the UART, if the chip is an 8250, the chip should be replaced with an NS16450. You can order the correct chip from National Parts under catalog number 25-4011, part MX-6981.

This board is labeled on the board for dip switch settings.

The Dual Port Serial Board does not support the 20mA current loop.

Some application software will support will support COM3: and COM4:, but you must specify the address and interrupt to be used in the software package.

(smm/jej-05/12/94)

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