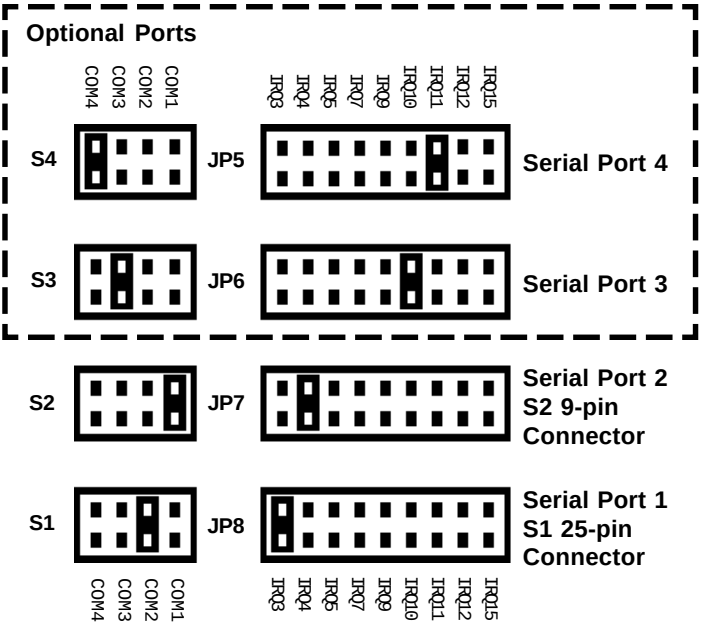
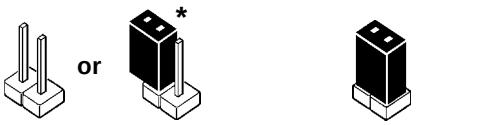


Default COM Port and IRQ Jumper Settings

3-2.1 Setting Jumpers

The I/O port address and interrupt request is jumper selectable for each port. When setting the jumpers, the terms "open" and "closed" are defined as:



Open
(No Jumper Installed)

Closed
(Jumper Installed)

(Use this method to store jumper)

NOTE: An instrument such as tweezers or needle nose pliers can be used to gently remove the jumpers from the jumper blocks.

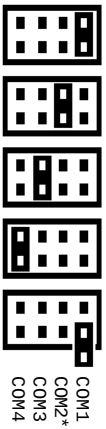
To install a jumper, center it over the two appropriate pins and push down gently until it is seated.

3-2.2 Serial Port 1 – S1

Serial Port 1 is a standard DB25 25-pin connector mounted on the board. It is factory set as **COM2** with I/O port address **2F8–2FF** and **IRQ3**. If this conflicts with your current configuration, refer to the following for another option.

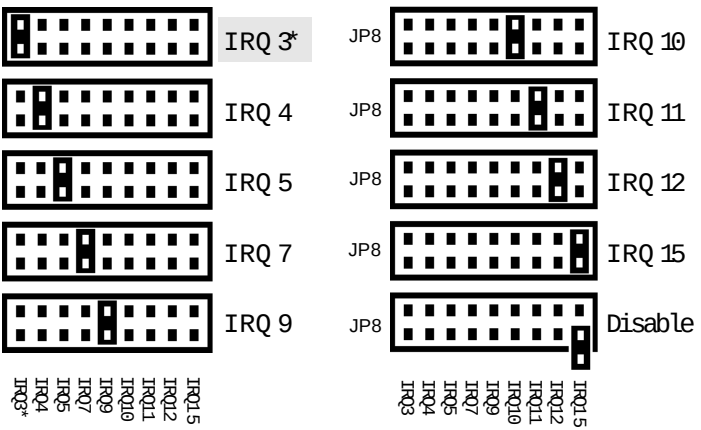
COM Port Address Selection - S1

COM Port	Address	Jumper Settings
COM1	3F8–3FF	S1
* COM2	2F8–2FF	S1
COM3	3E8–3EF	S1
COM4	2E8–2EF	S1
Disable (*all open*)		S1



IRQ Selection - JP8

Jumper Setting	Lo-IRQ	Jumper Setting	Hi-IRQ
JP8	IRQ 3*	JP8	IRQ 10
JP8	IRQ 4	JP8	IRQ 11
JP8	IRQ 5	JP8	IRQ 12
JP8	IRQ 7	JP8	IRQ 15
JP8	IRQ 9	JP8	Disable



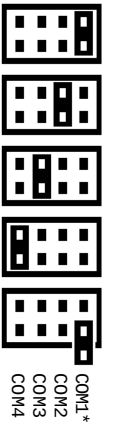
*= *Factory Default*

3-2.3 Serial Port 2 – S2

Serial Port 2 is a standard DB9 9-pin connector mounted on the board. It is factory set as **COM1** with I/O port address **3F8–3FF** and **IRQ4**. If this conflicts with your current configuration, refer to the following for another option.

COM Port Address Selection - S2

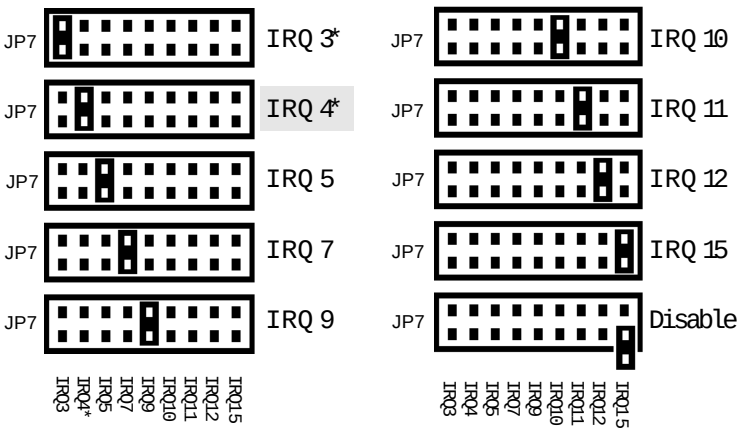
COM Port	Address	Jumper Settings
* COM1	3F8–3FF	S2
COM2	2F8–2FF	S2
COM3	3E8–3EF	S2
COM4	2E8–2EF	S2
Disable (all open)		S2



IRQ Selection - JP7

Jumper Setting	Lo-IRQ
JP7	IRQ 3*
JP7	IRQ 4*
JP7	IRQ 5
JP7	IRQ 7
JP7	IRQ 9

Jumper Setting	Hi-IRQ
JP7	IRQ 10
JP7	IRQ 11
JP7	IRQ 12
JP7	IRQ 15
JP7	Disable

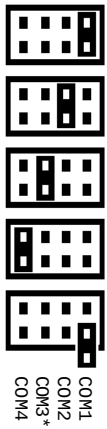


*= *Factory Default*

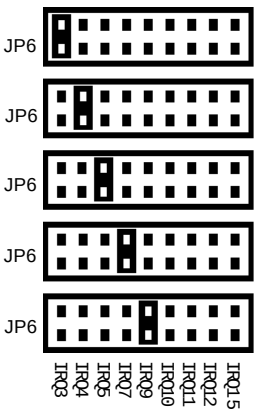
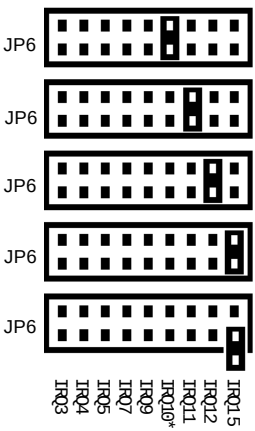
3-2.4 Serial Port 3 – S3 *(Optional Port)*

The function of Serial Port 3 (S3) can be enabled by installing the *I/O Expander 4S Upgrade Kit*. The **S3** 10-pin connector is factory set as **COM3** with I/O port address **3E8–3EF** and **IRQ10**. If this conflicts with your current configuration, refer to the following table another option.

COM Port Address Selection - S3

COM Port	Address	Jumper Settings
COM1	3F8–3FF	
COM2	2F8–2FF	
* COM3	3E8–3EF	
COM4	2E8–2EF	
Disable (all open)		

IRQ Selection - JP8

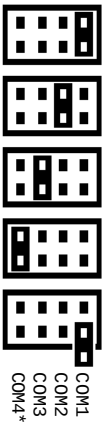
Jumper Setting	Lo-IRQ	Jumper Setting	Hi-IRQ
	IRQ 3		IRQ 10*
	IRQ 4		IRQ 11
	IRQ 5		IRQ 12
	IRQ 7		IRQ 15
	IRQ 9		Disable

*= *Factory Default*

3-2.5 Serial Port 4 – S4 (*Optional Port*)

The function of Serial Port 4 (S4) can be enabled by installing the *I/O Expander 4S Upgrade Kit*. The **S4** 10-pin connector is factory set as **COM4** with I/O port address **2E8–2EF** and **IRQ11**. If this conflicts with your current configuration, refer to the following for another option.

COM Port Address Selection - S3

COM Port	Address	Jumper Settings
COM1	3F8–3FF	
COM2	2F8–2FF	
COM3	3E8–3EF	
* COM4	2E8–2EF	
Disable (all open)		

IRQ Selection - JP5

Jumper Setting	Lo-IRQ	Jumper Setting	Hi-IRQ
JP5	IRQ 3	JP5	IRQ 10
JP5	IRQ 4	JP5	IRQ 11*
JP5	IRQ 5	JP5	IRQ 12
JP5	IRQ 7	JP5	IRQ 15
JP5	IRQ 9	JP5	Disable

*= *Factory Default*

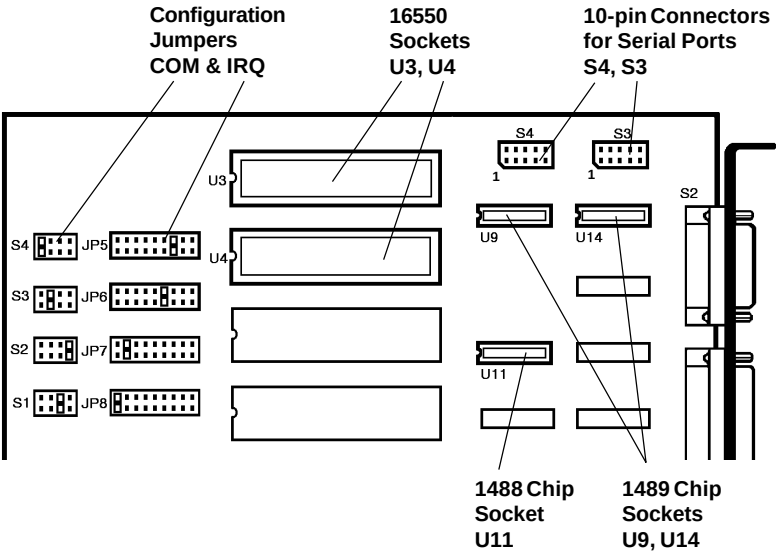
3-4 Installing the I/O Expander 4S Upgrade Kit

To add two more serial ports, you must install the *I/O Expander 4S Upgrade Kit*, which can be purchased from your dealer. This kit is comprised of:

- Two 16550 chips
- One 1488 chip
- Two 1489 chips
- One bracket with one 9-pin and one 25-pin RS-232C male serial connectors

The following steps will guide you through installing the kit's components.

1. If your I/O Expander 4S board is already installed in your system, remove it to install the upgrade chipset and verify jumpers.
2. Verify the part number on each chip. Then, carefully install each chip into its appropriate socket. Refer to the following diagram for proper socket locations.



Upgrade Kit's Socket and Jumper Locations