

## *Main Logic Board Jumpers*

---

The jumper settings given in this chapter refer to the etchings on the main logic board. The jumpers are labeled with the letter “J” followed by a four-digit number (Figure 4-1).

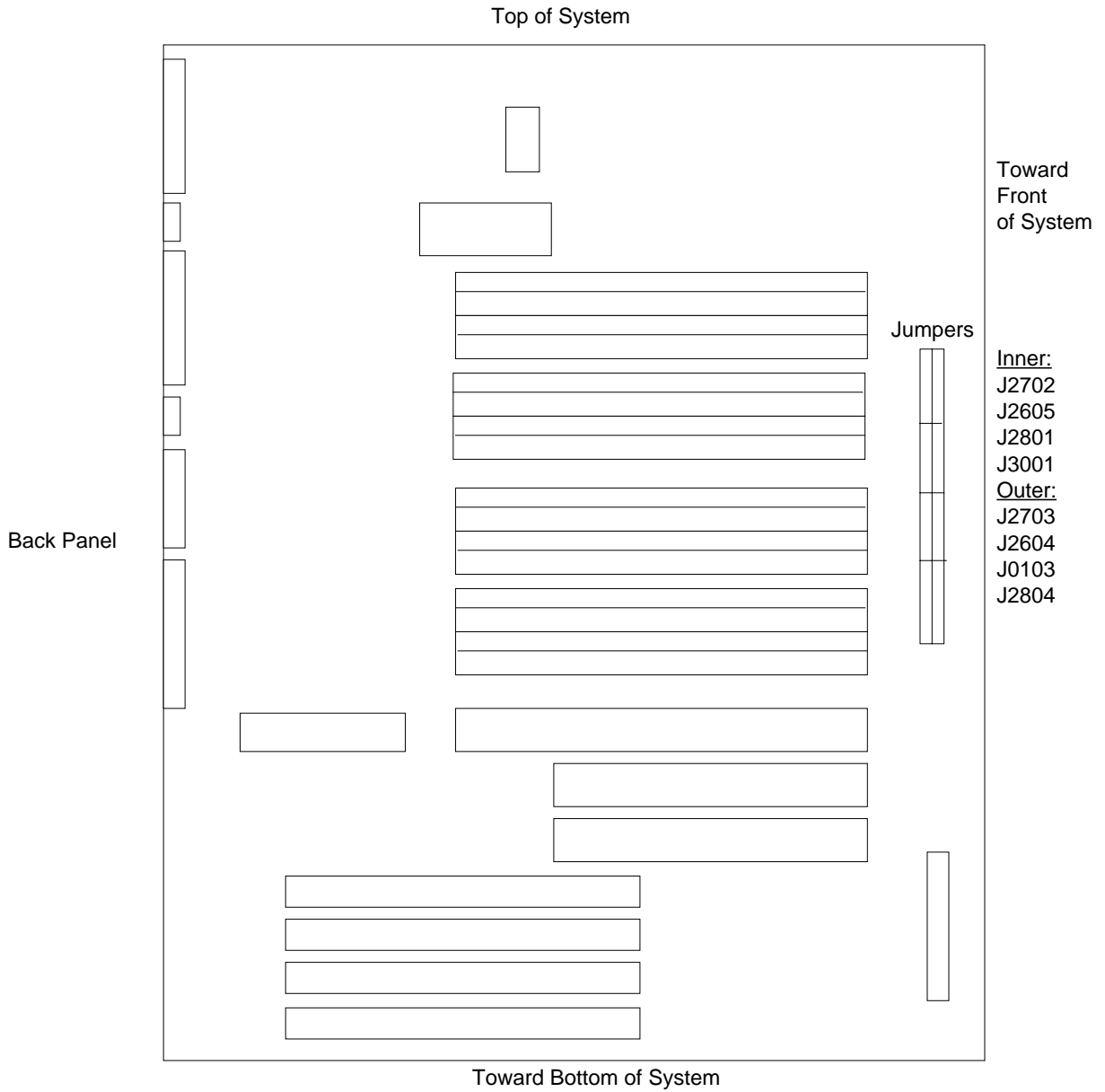


Figure 4-1 Jumper Locations on the Main Logic Board

## 4.1 Identifying Jumpers

Jumpers are marked on the main logic board with part numbers. For example, the serial port jumpers are marked J2604 and J2605. Jumper pins are located immediately adjacent to the part number. Pin 1 is marked with an asterisk in the position shown in Figure 4-2.

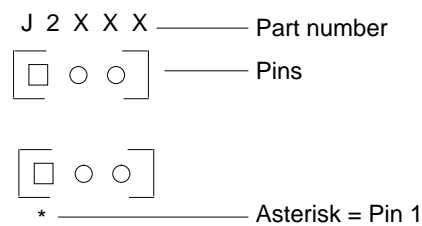


Figure 4-2 Identifying Jumper Pins

Table 4-1 User-Configurable Jumpers

Jumper	Functionality
J2703	Flash PROM Write Protect/Write Enable
J2605	Serial Ports B & A RS-423 & RS-232
J2604	
J2804	Flash PROM Hi-Lo Booting
J3001	UltraSPARC Module Clocking Select

## 4.2 Flash PROM Jumpers

The Ultra 30 system uses flash PROMs. Flash PROMs enable:

- Reprogramming of specific code blocks
- Remote reprogramming of the PROM chip by a system administrator over a local area network

The default shunt setting of J2703 is on pins 1 and 2. This disables the flash PROM chip from being reprogrammed. Placing the shunt on pins 2 and 3 enables reprogramming of the flash PROM chip. See Table 4-2.

---

**Note** – After reprogramming your system flash PROM, make sure you return the flash PROM Write Protect/Enable jumper (J2703) to the Write Protect position to increase system security.

---

Table 4-2 Flash PROM Jumper Settings

Jumper	Pins 1 + 2 Select	Pins 2 + 3 Select	Default Jumper on Pins	Signal Controlled
J2703	Write Protect	Write Enable	1 + 2	FLASH PROM PROG ENABLE
J2804	High Half Booting	Normal Booting	2 + 3	XOR LOGIC SET

### 4.3 Serial Port Jumpers

The serial port jumpers on the main logic board enable you to configure the two DB-25 serial ports on the system unit back panel for either RS-423 or RS-232 signal levels. RS-423 levels are the default standard for North American users. RS-232 levels are required for telecommunication in nations of the European Community. See Table 4-3.

Table 4-3 Serial Port Jumper Settings

Jumper	Pins 1 + 2 Select	Pins 2 + 3 Select	Default Jumper on Pins	Signal Controlled
J2604	RS-232	RS-423	2 + 3	RS232/RS423 SEL
J2605	RS-232	RS-423	2 + 3	RS232/RS423 SEL

### 4.4 UltraSPARC Module Clocking Select Jumper

Table 4-4 UltraSPARC Module Clocking Select Jumper Settings

Jumper	Pins 1 + 2 Select	Pins 2 + 3 Select	Default Jumper on Pins
J3001	250 MHz, 1 Mbyte external cache; and 300 MHz, 2 Mbytes external cache UltraSPARC-II modules.	All 167 MHz and 200 MHz UltraSPARC-I modules.	1 + 2

