
Cardcage Slot Assignments and Backplane Configuration Procedures *for the Sun-3/140 Workstation*

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This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

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Sun-3/140 Cardcage Slot Assignment and Backplane Configuration

CAUTION

Springfingers are metal strips that are installed between the edge of the PC board and the outer panel to reduce RFI emissions. Serrated metal "fingers" protrude from either side of the strip.

Installation of a board **WITHOUT** springfingers may affect RFI emissions and may therefore affect FCC compliance. Sun will no longer be responsible for FCC compliance if non-springfingered boards are added to a system originally shipped **WITH** springfingers and FCC approval.

If a board **WITH** springfingers is installed next to a board **WITHOUT** springfingers, the insulator shield on the outside of the fingers **MUST** be present to prevent possible shorting of component leads to the springfingers.

If a logic enclosure contains boards **WITH** and **WITHOUT** springfingers, use the following guidelines:

- Before removing a board **WITHOUT** springfingers, remove the board to the left of it (or below it for desktop models) if that board is equipped **WITH** springfingers and an outer insulator shield.
- Always install a board **WITHOUT** springfingers first, and then replace the board **WITH** springfingers and insulator shield in the slot to the left of it (or below it).

If a board **WITH** springfingers is installed next to a board or filler panel also equipped **WITH** springfingers, the outside insulator shields should be removed.

Ensure that the insulator strip between the inner side of the springfingers and the PC board is intact at all times.

When removing and replacing boards with springfingers, check the condition of the insulator strip/shield(s) and replace if damaged.

Call 800-USA-4SUN with questions or for information on how to obtain additional insulator strips or shields.

Printed circuit boards contain components sensitive to damage from electrostatic discharge that may occur, for example, when you walk across a carpet and then touch the board. Before handling a board, place your hand on a conductive surface that is grounded to a common earth ground, (such as the metal screw or plate on the AC wall receptacle) to discharge any static electricity from your body.

Table 1 *Optional 3-Slot Cardcage Slot Assignments and Backplane Configuration*

BACKPLANE JUMPERS		BOARD NAME	3-SLOT BACKPLANE SLOT POSITION		
BG3	IACK			#	#
P X 0 3	P X 0 4		1	2	3
OUT	OUT	501-1164 Sun CPU Board	A		
IN	IN	1st Sun Mem Exp†		A	
IN	IN	2nd Sun Mem Exp†			A
IN	IN	501-1105 Sun FPA		A	B
OUT	OUT	501-1158 Sun SCP*#		A	B
OUT	OUT	501-1138 VME SCSI Ctlr		B	A
IN	OUT	1st 501-1125 Sun IPC*		B	A
IN	OUT	2nd 501-1125 Sun IPC*		A	

* Consult your Sun sales office concerning software considerations for and availability of this unbundled product.

FOR SLOTS 2 AND 3: If you wish to install a "VME-to-Multibus Adapter Board" based product (such as the SCP), you MUST USE adapter board subassembly Revision 501-1054-04, Rev A or later to avoid signal contention on the "P2 Memory" bus.

† These boards have one of the following descriptions:

2MB 501-1131 Sun Memory Expansion

4MB 501-1132 Sun Memory Expansion

GENERAL NOTES:

1. This table sequentially lists PCB slot priority assignments for the 3-slot logic enclosure in descending order of priority. The A, B, C... designations correspond to the preferred location for a specific board, with A being the most preferable location. If A is the only designation, the board MUST be placed in that slot.
2. FOR ALL SLOTS, install backplane jumpers in locations PX00, PX01 and PX02. "X" represents the slot number.
3. TO INSTALL ANY BOARD: Configure jumpers in backplane locations PX03 and PX04 per above table. "X" represents the slot number. Remove air restrictor from slot if present.
4. TO REMOVE ANY BOARD: Install for the affected slot: backplane jumpers at PX03 & PX04, air restrictor, and outside filler panel.