Cardcage Slot Assignments and Backplane Configuration Procedures for the Sun 3/150

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Part No: 813-2038-05
Revision A of 1 October 1987

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CAUTION

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.

Sun 3/150 Slot Assignments 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.
- To replace any filler panel equipped WITH springfingers, pull out the air restrictor panel far enough to allow the springfingers to lay against the panel. Push both units into place simultaneously and fasten with the appropriate fasteners. This procedure makes replacement of the filler panels easier and reduces the chance of damage to the springfingers.
- 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. If a grounding device is available, wear it when handling the board. Otherwise, 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 before handling the board.

Table 1 *Sun-3/150X Cardcage Slot Assignments and Backplane Configuration*

BACKPLANE JUMPERS		*BOARD NAME*	*SUN-3 SIX-SLOT BACKPLANE SLOT POSITION*					
BG3	IACK							
P X 0 3	P X 0 4		1	# 2	# 3	# 4	# 5	# 6
OUT	OUT	Sun CPU Board †	A					
IN	IN	1st 501-1132 Sun Mem Exp		A				
IN	IN	501-1105 Sun FPA				A		
IN	IN	2nd 501-1132 Sun Mem Exp			A			
IN	IN	3rd 501-1132 Sun Mem Exp				A		
OUT	OUT	Sun GP †					A	
IN	IN	501-1058 Sun GB						A
OUT	OUT	1st 501-1158 Sun SCP*#		A	B	C	D	E
OUT	OUT	2nd 501-1158 Sun SCP*#			A	B	C	D
§	§	1st 501-1202 MAPKIT§*		A	A B	C B	C D	D
§	§	2nd 501-1202 MAPKIT§*				A	A B	B
OUT	OUT	501-1138 Sun VME SCSI Ctlr		A	B	C	D	E
IN	OUT	Sun 501-1116 Color		A	B	C	D	E
OUT	OUT	501-1153 2nd Ethr Ctlr‡#		A	B	C	D	E
IN	OUT	1st 501-1125 Sun IPC*				C	B	A
IN	OUT	2nd 501-1125 Sun IPC*			C	B	A	

This table sequentially lists PCB slot priority assignments for the Sun-3/150 in order of descending priority. The "A, B, C..." designations correspond to the preferred location for a specific board, with "A" being the most preferable location. If the only designation is "A", the board MUST be placed in that slot. Notes that are preceded with a symbol such as "†" or "‡" are board or slot specific.

FOR SLOTS 2 THROUGH 4: 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.

FOR SLOT 6: If a Graphics Processor (GP) board is installed in Slot 5 and you would like to install a "VME -to-Multibus Adapter Board" based product, you MUST USE Adapter Board subassembly 501-1054-04, Rev A or later to avoid signal contention on the "GP" private" bus.

Sun-3/150 Notes, Continued.

‡ The "2nd Ethr Ctlr" board is the interface for the second Ethernet network. The interface for the first network resides on the CPU board.

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

§ Each MAPKIT option occupies two slots. The "BG3" and "IACK" jumpers on the backplane are OUT for the slot that contains the MAPKIT board that is nearest slot 1 (on the left when facing the rear of the system.)

† These boards have one of the following descriptions:

Sun 2-Meg 501-1163 CPU Board
Sun 4-Meg 501-1164 CPU Board

501-1055 Graphics Processor
501-1139 Graphics Processor Plus

GENERAL NOTES

1. FOR ALL SLOTS, install backplane jumpers in locations PX00, PX01 and PX02. "X" represents the slot number.
2. TO INSTALL ANY BOARD: Configure backplane jumpers PX03 and PX04 per above table. "X" represents the slot number. (P604 for Slot 6 does not physically exist on the backplane.) Remove the air restrictor from the slot, if present.
3. TO REMOVE ANY BOARD: Install for the affected slot: backplane jumpers at locations PX03 & PX04, outside filler panel and air restrictor. (P604 for Slot 6 does not physically exist on the backplane.)

Table 2 *Revision History*

Revision	*Date*	*Comments*
Review Draft-02	9 April 1987	First draft of this special slot assignment document.
Beta Draft-03	21 April 1987	Second draft of this special slot assignment document.
50-04	1 May 1987	Engineering Release of this special slot assignment document.
A-05	1 October 1987	FCS Release of this special slot assignment document.