Controller Boards

Optional IDE Controller Board (002172)

Function	Position 1	Position 2	Position 3
Secondary Channel	ON		
Primary Channel	OFF		
IRQ 15		OFF	OFF
IRQ 14		ON	OFF
IRQ 10		OFF	ON
IRQ11		ON	ON

Hard Drive Controller Board (WD1002WAH)

Jumper/Setting *	Function
W1 1 - 2	Primary controller
W2 NL	LED operation
J4	No connections

* Jumpers set at the factory. Do not change.

ESDI Hard Drive Controller Board (WD1005WAH)

Jumper	Status
W1	Reserved - Not installed
W2	Reserved - Not installed
W3	Reserved - 2 to 3

ESDI 130/300 Hard Drive Controller Board (WD1007AWAH)

Jumper	Setting	Function
J5	No jumper	Reserved
W3	No jumper	Reserved
W8	Jumper ON	Reserved
W9	No jumper	Reserved
W10	No jumper	Reserved
W11	No jumper	Reserved
W12	No jumper	Reserved

Advanced ESDI Controller (WD1009)
EISA OPERATION - SW500 Settings

Primary or Secondary Controller	
S1	OFF *
S2	ON *
S3	OFF *
S4	ON *
S5	OFF
S6	ON

* Under EISA operation, the auto-configuration utility overrides these default settings.

Multiproduct Boards

Controller Boards (Continued)

Advanced ESDI Controller (WD1009)
ISA Operation - SW500 Settings

Primary Controller		Secondary Controller	
S1	OFF	S1	ON
S2	ON	S2	OFF
S3	OFF	S3	OFF
S4	ON*	S4	OFF*
S5	OFF	S5	OFF
S6	OFF	S6	OFF

* This switch does not apply under ISA operation because ISA data transfers are programmed I/O transfers and not DMA (direct memory access).

Advanced ESDI Controller (WD1009)
SW500 Functions

1	2	3	4	5	6	Function
OFF*						Primary hard drive address select
ON						Secondary hard drive address select
	ON*	OFF*				Interrupt select IRQ14
	OFF	OFF				Interrupt select IRQ15
	OFF	ON				Interrupt select IRQ12
	ON	ON				Interrupt select IRQ11
			ON*			DMA channel 6
			OFF			DMA channel 3
				OFF*		Normal Addressing **
				ON		Slot-specific addressing
					ON*	EISA
					OFF	ISA

* Default.

** No software drivers available at this time for slot-specific addressing.

Diskette/Printer Board (000181-011)

Switch	Setting	Function
SW1-1	OFF	Reserved
SW1-2	ON*	Enable parallel interface
	OFF	Disable parallel interface
SW1-3	OFF	Reserved
SW1-4	OFF	Reserved

* Default.

Multipurpose Controller Board (000142)

Jumper	Pin 1 to Pin 2	Pin 2 to Pin 3
J1	Secondary diskette controller address	Primary diskette controller address
J2 *	Serial interface COM1	Serial interface COM2
J4 *	Serial interface IRQ4	Serial interface IRQ3
J3	Disable parallel interface	Enable parallel interface

* J2 and J4 must be changed together.

Multiproduct Boards

Controller Boards (Continued)

Multipurpose Controller Boards (000181-001/000181-021) and Multipurpose Hard Drive Controller Boards (000336-001/000336-021)

Jumper/Switch Setting		Function
J1 - Open connectors on left		Serial interface COM1 IRQ4 *
J1 - Open connectors on right		Serial interface COM2 IRQ3
J2 - Open connectors on left		Primary diskette controller address *
J2 - Open connectors on right		Secondary diskette controller address
SW1-1[1]	ON	Enable hard drive *
	OFF	Disable hard drive
SW1-2	ON	Enable parallel interface *
	OFF	Disable parallel interface
SW1-3[2]	ON	Enable serial interface *
	OFF	Disable serial interface
SW1-4	OFF	Reserved

* Default.

[1] SW1-1 reserved on 000181 boards.

[2] SW1-3 reserved on 000181-001 (all revisions) and 000336-001 Rev. P or earlier.

Multipurpose Hard Drive Controller Board (000519, 000815, and 000957)

Switch	Setting	Function
SW500-1	OFF *	Primary diskette and hard drive address select
	ON	Secondary diskette and hard drive address select
SW500-2	ON*	Enable high-speed transfer rates (for systems with 1.2-MB diskette drive or 40-MB tape drive)
	OFF	Disable high-speed transfer rates (for systems without 1.2-MB diskette drive or 40-MB tape drive)
SW500-3	OFF *	Enable Hard Drive
	ON	Disable Hard Drive
SW500-4	OFF *	Serial interface COM1 IRQ4
	ON	Serial interface COM2 IRQ3
SW500-5	OFF *	Enable serial interface
	ON	Disable serial interface
SW500-6	OFF *	Enable printer interface
	ON	Disable printer interface

* Default.

Tape Adapter (000774)

1	2	3	4	5	6	7	8	Function
ON*	OFF*							Interrupt select IRQ5
OFF	ON							Interrupt select IRQ3
		ON*	OFF*	ON*	OFF*			DMA channel 3
		OFF	ON	OFF	ON			DMA channel 1
						ON*	OFF*	Base address 300 hex
						OFF	ON	Base address 200 hex

* Default.

Multiproduct Boards

Controller Boards (Continued)

ESDI External 300/600 Hard Drive Controller Board (001091)

SW500 Settings

1	2	3	4	Function
OFF*				Primary hard drive address select **
ON				Secondary hard drive address select
	ON*	OFF*		Interrupt select IRQ14
	OFF	OFF		Interrupt select IRQ15
	OFF	ON		Interrupt select IRQ12
	ON	ON		Interrupt select IRQ11
			OFF	Reserved

* Default. ** Requires IRQ14 setting.

15-MHz ESDI Controller Board (001283 and 001628)

1	2	3	4	Function
OFF*				Primary address 3FX and 1FX **
ON				Secondary address 37X and 17X
	ON*	OFF*		Interrupt select IRQ14
	OFF	OFF		Interrupt select IRQ15
	OFF	ON		Interrupt select IRQ12
	ON	ON		Interrupt select IRQ11
			OFF	Reserved

* Default. ** Requires IRQ14 setting.

SCSI Option Adapter (001379)
SW1 Settings

1	2	3	4	Function
ON *				Base I/O Address 330h
OFF				Base I/O Address 130h
	OFF			Reserved
		OFF*		DMA channel 7
		ON		DMA channel 5
			OFF*	Interrupt select IRQ5
			ON	Interrupt select IRQ3

* Default.

ESDI/Diskette Controller (001472)

Jumper Setting	Function
Jumper ON	Enabled
Jumper OFF	Disabled

SW1 Settings

1	2	3	4	Function
OFF*				Primary Address 3FX and 1FX
ON				Secondary Address 37X and 17X
	ON*	OFF*		Interrupt select IRQ14
	OFF	OFF		Interrupt select IRQ15
	OFF	ON		Interrupt select IRQ12
	ON	ON		Interrupt select IRQ11
			OFF	Reserved

* Default.

Multiproduct Boards

Controller Boards (Continued)

SCSI Compression Adapter (001846)
SW1 Settings

1	2	3	4	Function
ON *	ON *			330h (Primary)
OFF	ON			130h (Secondary)
ON	OFF			120h (Tertiary)
OFF	OFF			Reserved
		OFF *		DMA 7
		ON		DMA 5
			OFF *	IRQ5
			ON	IRQ3

* Default.

6260 SCSI-2 Controller (002831 and 004004)

Switch	Function	Setting
1 - 2	ROM Disabled *	Open/Open
	C8000 ROM Address	Closed/Open
	CC000 ROM Address	Open/Closed
	D8000 ROM Address	Closed/Closed
3	Primary I/O-340h Address *	Open
	Secondary I/O-140h Address	Closed
4 - 5	IRQ 11 Selected *	Open/Open
	IRQ 12 Selected	Closed/Open
	IRQ 9 Selected	Open/Closed
	IRQ 10 Selected	Closed/Closed
6	Disconnects Enabled *	Open
	Disconnects Disabled	Closed
7	Synchronous Negotiation Enabled *	Open
	Synchronous Negotiation Disabled	Closed
8	Parity Enabled *	Open
	Parity Disabled	Closed
J106	ISA *	On (Installed)
	EISA	Off (Not Installed)

* Default.