ADAPTEC, INC.
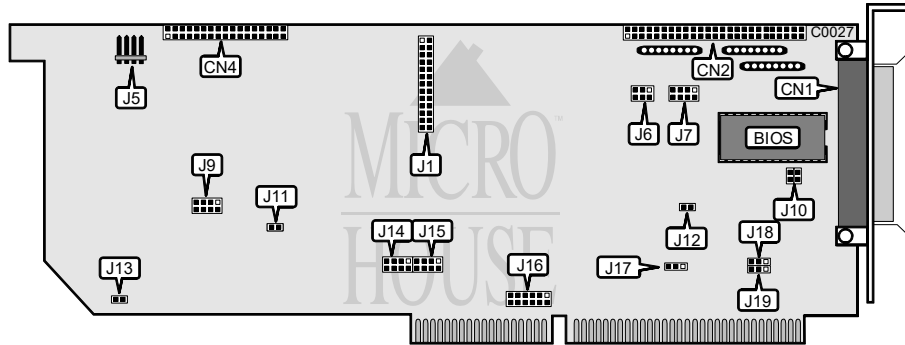## AHA-1540A, AHA-1542A

Data
 bus: 16-bit, ISA
Size: Full-length, full-height card
Hard drives supported: Up to seven SCSI devices
Floppy drives supported: Two 360KB, 720KB, 1.2MB or 1.44MB

CONNECTIONS	
Function	Location
50-pin SCSI connector-external	CN1
50-pin SCSI connector-internal	CN2
34-pin data cable connector-floppy drive	CN4
4-pin connector-drive active LED	J5

SCSI ADDRESS			
SCSI ID	J1/jumper 4	J1/jumper 5	J1/jumper 6
í 7	open	open	open
6	closed	open	open
5	open	closed	open
4	closed	closed	open
3	open	open	closed
2	closed	open	closed
1	open	closed	closed
0	closed	closed	closed

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	USER CONFIGURABLE SETTINGS		
	Function	Location	Setting
í	Synchronous negotiation disabled	J1/jumper 1	open
	Synchronous negotiation enabled	J1/jumper 1	closed
í	Factory test disabled	J1/jumper 2	open
	Factory test enabled	J1/jumper 2	closed
í	SCSI parity checking enabled	J1/jumper 3	open
	SCSI parity checking disabled	J1/jumper 3	closed
í	LA enable (Only on early W1542A)	J8	closed
	LA disable (Only on early W1542A)	J8	open
í	Auto request sense enabled	J9/jumper 1	open
	Auto request sense disabled	J9/jumper 1	closed
í	Factory configured - do not alter	J9/jumpers 2-4	open
í	BOIS enabled	J11	closed
	BIOS disabled	J11	open
í	Floppy address 3F0-3F7h	J12	open
	Floppy address 370-377h	J12	closed
í	Floppy drive enabled	J13	closed
	Floppy drive disabled	J13	open
í	Floppy drive Interrupt is IRQ6	J17	pins 1 & 2 closed
	Floppy drive Interrupt is IRQ10	J17	pins 2 & 3 closed
í	Floppy drive DMA Request is DREQ2	J18	pins 1 & 2 closed
	Floppy drive DMA Request is DREQ3	J18	pins 2 & 3 closed
í	Floppy drive DMA Acknowledge Is DACK2	J19	pins 1 & 2 closed
	Floppy drive DMA Acknowledge is DACK3	J19	pins 2 & 3 closed

	DMA CHANNEL			
DRQ	J1/Jumper 7	J1/Jumper 8	J14	J15
0	closed	closed	Jumper 1-closed	Jumper 1-closed
í 5	open	closed	Jumper 2-closed	Jumper 2-closed
6	closed	open	Jumper 3-closed	Jumper 3-closed
7	open	open	Jumper 4-closed	Jumper 4-closed

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INTERRUPT REQUEST				
IRQ	J1/Jumper 9	J1/Jumper 10	J1/Jumper 11	J16
9	open	open	open	Jumper 1-closed
10	closed	open	open	Jumper 2-closed
í 11	open	closed	open	Jumper 3-closed
12	closed	closed	open	Jumper 4-closed
14	open	open	closed	Jumper 5-closed
15	closed	open	closed	Jumper 6-closed

DMA TRANSFER RATE		
Speed	J1/jumper 12	J1/jumper 13
í 5.0	open	open
5.7	closed	open
6.7	open	closed
8.0	closed	closed

I/O PORT ADDRESS			
Address	J6/Jumper 1	J6/Jumper 2	J6/Jumper 3
334h	open	open	open
í 330h	open	open	closed
234h	open	closed	open
230h	open	closed	closed
134h	closed	open	open
130h	closed	open	closed

BUS WAIT STATE				
Delay	J7/jumper 1	J7/jumper 2	J7/jumper 3	J7/jumper 4
í Disable	closed	open	open	open
100nsec	open	closed	open	open
200nsec	open	open	closed	open
300nsec	open	open	open	closed

BIOS ADDRESS		
Address	J10/jumper 1	J10/jumper 2
í DC000h	open	open
CC000h	closed	open
D8000h	open	closed
C8000h	closed	closed