ADAPTEC, INC.
AHA-1540B, AHA-1542B
(Also Sold as the Maynard HA-101S)

Data bus:	16-bit, ISA strange2
Size:	Three-quarter length, full-height card
Hard drives supported:	Up to seven SCSI devices
Floppy drives supported:	Two 360KB, 720KB, 1.2MB or 1.44MB (AHA-1542B)
	None (AHA-1540B, HA-101S)
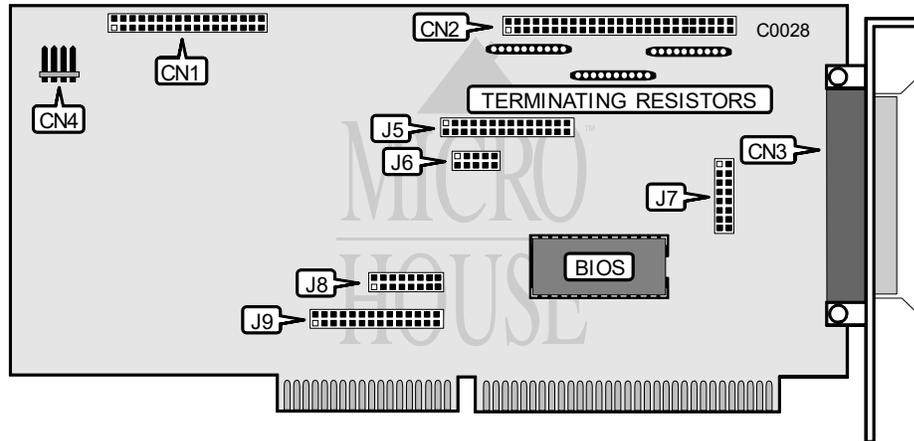
CONNECTIONS	
Function	Location
34-pin data cable connector-floppy drive	CN1
50-pin SCSI connector-internal	CN2
50-pin SCSI connector-external	CN3
4-pin connector-drive active LED	CN4

SCSI ADDRESS			
Select	J5/jumper 4	J5/jumper 5	J5/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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	Function	Location	Setting
	USER CONFIGURABLE SETTINGS		
	Function	Location	Setting
í	SCSI synchronous negotiation disabled	J5/jumper 1	open
	SCSI synchronous negotiation enabled	J5/jumper 1	closed
í	Normal operation	J5/jumper 2	open
	Self diagnostics enabled	J5/jumper 2	closed
í	SCSI parity check enabled	J5/jumper 3	open
	SCSI parity check disabled	J5/jumper 3	closed
í	BIOS enabled	J6/jumper 1	closed
	BIOS disabled	J6/jumper 1	open
í	Not used	J6/jumpers 2-4	open
í	Auto sense enabled	J6/jumper 5	open
	Auto sense disable	J6/jumper 5	closed
í	Floppy drive port address 3F0-3F7h	J7/jumper 1	open
	Floppy drive port address 370-377h	J7/jumper 1	closed
í	Floppy drive enabled	J8/jumper 1	closed
	Floppy drive disabled	J8/jumper 1	open
í	Floppy drive DMA Request is DREQ2	J8/jumper 2	closed
	Floppy drive DMA Request is DREQ3	J8/jumper 3	closed
í	Floppy drive DMA Acknowledge Is DACK2	J8/jumper 4	closed
	Floppy drive DMA Acknowledge is DACK3	J8/jumper 5	closed
í	Floppy drive Interrupt is IRQ6	J8/jumper 6	closed
	Floppy drive Interrupt is IRQ10	J8/jumper 7	closed
í	Floppy drive dual speed disabled	J8/jumper 8	open
	Floppy drive dual speed enabled	J8/jumper 8	closed
í	AT Bus DMA Request is DREQ5	J9/jumper 2	closed
	AT Bus DMA Request is DREQ0	J9/jumper 1	closed
	AT Bus DMA Request is DREQ6	J9/jumper 3	closed
	AT Bus DMA Request is DREQ7	J9/jumper 4	closed
	AT Bus DMA Acknowledge is DACK0	J9/jumper 5	closed
í	AT Bus DMA Acknowledge is DACK5	J9/jumper 6	closed
	AT Bus DMA Acknowledge is DACK6	J9/jumper 7	closed
	AT Bus DMA Acknowledge is DACK7	J9/jumper 8	closed
	Hard drive Interrupt is IRQ9	J9/jumper 9	closed
	Hard drive Interrupt is IRQ10	J9/jumper 10	closed
í	Hard drive Interrupt is IRQ11	J9/jumper 11	closed
	Hard drive Interrupt is IRQ12	J9/jumper 12	closed
	Hard drive Interrupt is IRQ14	J9/jumper 13	closed
	Hard drive Interrupt is IRQ15	J9/jumper 14	closed

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DMA CHANNEL		
DRQ	J5/jumper 7	J5/jumper 8
í 5	open	closed
6	closed	open
7	open	open
0	closed	closed

INTERRUPT REQUEST			
IRQ	J5/jumper 9	J5/jumper 10	J5/jumper 11
9	open	open	open
10	closed	open	open
í 11	open	closed	open
12	closed	closed	open
14	open	open	closed
15	closed	open	closed

DMA TRANSFER RATE		
Speed	J5/jumper 12	J5/jumper 13
5.0Mb/s	open	open
í 5.7Mb/s	closed	open
6.7Mb/s	open	closed
8.0Mb/s	closed	closed

I/O PORT ADDRESS			
Address	J7/jumper 2	J7/jumper 3	J7/jumper 4
íí 334h	open	open	open
í 330h	closed	open	open
234h	open	closed	open
230h	closed	closed	open
134h	open	open	closed
130h	closed	open	closed
Not used	closed	closed	closed
Note: íí denotes default for 1540BS11/1542BS11			

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BUS WAIT STATE		
Wait Time	J7/jumper 5	J7/jumper 6
í Disable	open	open
100nsec	closed	open
200nsec	open	closed
300nsec	closed	closed

MISCELLANEOUS TECHNICAL NOTE
Note: Manufacturer documentation does not specify possible BIOS memory addresses, but a selection of DC00:6 has been recommended by some card users.