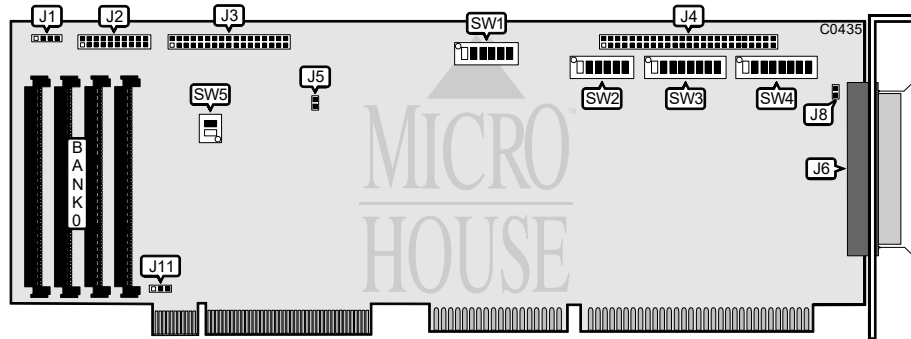# AMERICAN MEGATRENDS, INC.
FAST DISK VLB

Q1/94

Data bus: 32-bit, VL-bus
Size: Three/quarter-length, full-height card
Hard drive supported: Up to seven SCSI devices
Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives

CONNECTIONS	
Function	Location
4-pin connector-Drive active LED	J1
20-pin factory test connector	J2
34-pin control cable connector-floppy drive	J3
50-pin SCSI connector - internal	J4
50-pin SCSI connector - external	J6

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í SCSI termination enabled	J8	closed
SCSI termination disabled	J8	open
í Local Bus speed < 50MHz	J11	pins 2 & 3 closed
Local Bus speed > 50MHz	J11	pins 1 & 2 closed
í ISA mode enabled	SW1/switch 6	off
EISA mode enabled	SW1/switch 6	on
í Hard drive capacity > 1GB disabled	SW2/switch 1	off
Hard drive capacity > 1GB enabled	SW2/switch 1	on
í Cache memory enabled	SW2/switch 2	off
Cache memory disabled	SW2/switch 2	on
í Single-sector commands separate caching disabled	SW2/switch 3	off
Single-sector commands separate caching enabled	SW2/switch 3	on
í Caching for removable drives disabled	SW2/switch 4	off
Caching for removable drives enabled	SW2/switch 4	on

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AMERICAN MEGATRENDS, INC.
FAST DISK VLB

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Delayed write caching enabled	SW2/switch 5	off
Write-through caching enabled	SW2/switch 5	on
í SCSI autoselection time-out enabled	SW2/switch 6	off
SCSI autoselection time-out disabled	SW2/switch 6	on
í SCSI synchronous negotiation enabled	SW3/switch 4	off
SCSI synchronous negotiation disabled	SW3/switch 4	on
í SCSI 10MB/sec data transfer rate enabled	SW3/switch 5	off
SCSI 5MB/sec data transfer rate enabled	SW3/switch 5	on
í Adaptec 154x-type target allocation disabled	SW3/switch 6	off
Adaptec 154x-type target allocation enabled	SW3/switch 6	on
í 32-bit operation (Extended Mode) enabled	SW3/switch 7	off
32-bit operation (Extended Mode) disabled	SW3/switch 7	on
í Support for 7 drives (DOS 5.0 and later) enabled	SW3/switch 8	off
Support for 7 drives (DOS 5.0 and later) disabled	SW3/switch 8	on
í Floppy drive enabled	SW5/switch 1	on
Floppy drive disabled	SW5/switch 1	off
í Normal operation enabled	SW5/switch 2	off
Diagnostic mode enabled	SW5/switch 2	on

SCSI HOST ADAPTER SLOT NUMBER			
Slot Number	SW1/switch 1	SW1/switch 2	SW1/switch 3
í 1	off	off	off
2	on	off	off
3	off	on	off
4	on	on	off
5	off	off	on
6	on	off	on
7	off	on	on
8	on	on	on

MOTHERBOARD SPEED CONFIGURATION		
Speed	SW1/switch 4	SW1/switch 5
20 or 25MHz	off	off
í 33 or 40MHz	on	off
50MHz	off	on

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FAST DISK VLB

I/O PORT ADDRESS			
Address	SW3/switch 1	SW3/switch 2	SW3/switch 3
130-133h	on	off	off
134-137h	on	off	on
230-233h	off	on	off
234-237h	off	on	on
í 330-333h	off	off	off
334-337h	off	off	on

DMA CHANNEL CONFIGURATION		
DMA Channel	SW4/switch 1	SW4/switch 2
í 5	off	off
6	on	off
7	off	on
No Channel selected	on	on

INRTERRUPT REQUEST CONFIGURATION			
IRQ	SW4/switch 3	SW4/switch 4	SW4/switch 5
9	on	off	off
10	off	on	off
í 11	off	off	off
12	on	on	off
14	off	off	on
15	on	off	on

BIOS ADDRESS			
Address	SW4/switch 6	SW4/switch 7	SW4/switch 8
í C8000h	off	off	off
D8000h	on	off	off
D4000h	off	on	off
D0000h	on	on	off
CC000h	off	off	on
DC000h	on	off	on
Disabled	off	on	on
Disabled	on	on	on

MISCELLANEOUS TECHNICAL NOTES
J5 is factory configured in the closed position - do not alter