AST RESEARCH, INC.
MID-SIZE BRAVO 486/33 (MODEL 202385-002)

Processor	80486DX
Processor Speed	33MHz
Chip Set	AST
Max. Onboard DRAM	16MB
SRAM Cache	None
BIOS	AST
Dimensions	340mm x 245mm
I/O Options	Bus mouse port, floppy drive interface
	IDE interface, parallel port, serial port (2), SVGA port
NPU Options	4167
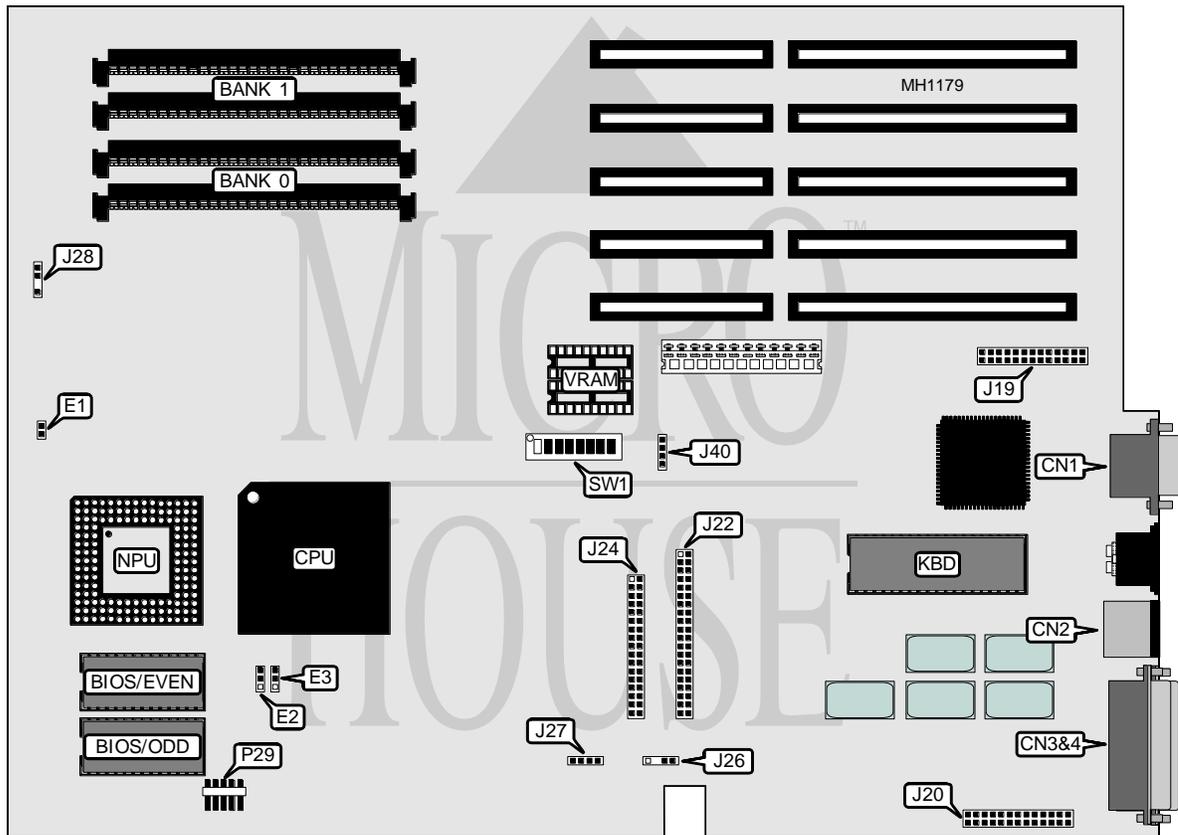
CONNECTIONS			
Purpose	Location	Purpose	Location
SVGA port	CN1	Floppy drive interface	J24
Bus mouse port	CN2	External battery	J26
Serial port 1 (COM1)	CN3	Speaker	J27
Parallel port	CN4	Fan power	J28
VGA pass-through	J19	Front panel switches & LEDs	P29
Serial port 2 (COM2)	J20	IDE interface LED	J40
IDE interface	J22		

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Parity check enabled	E1	closed
Parity check disabled	E1	open
í Factory configured - do not alter	E2	pins 2 & 3 closed
í Factory configured - do not alter	E3	pins 2 & 3 closed
í VGA port enabled	SW1/switch 1	closed
VGA port disabled	SW1/switch 1	open
í Password check enabled	SW1/switch 2	open
Password check disabled	SW1/switch 2	closed
í Factory configured - do not alter	SW1/switch 3	open
í Factory configured - do not alter	SW1/switch 4	open
í Factory configured - do not alter	SW1/switch 5	closed
í Factory configured - do not alter	SW1/switch 6	closed
í Monitor type select PS/2 style	SW1/switch 7	closed
Monitor type select AT style	SW1/switch 7	open
í Monitor type select VGA or fixed-frequency	SW1/switch 8	open
Monitor type select multi-frequency	SW1/switch 8	closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 1M x 9	NONE
4MB	(2) 1M x 9	(2) 1M x 9
8MB	(2) 4M x 9	NONE
10MB	(2) 4M x 9	(2) 1M x 9
16MB	(2) 4M x 9	(2) 4M x 9

VRAM CONFIGURATION	
Size	VRAM
256KB	NONE
512KB	(2) 44256