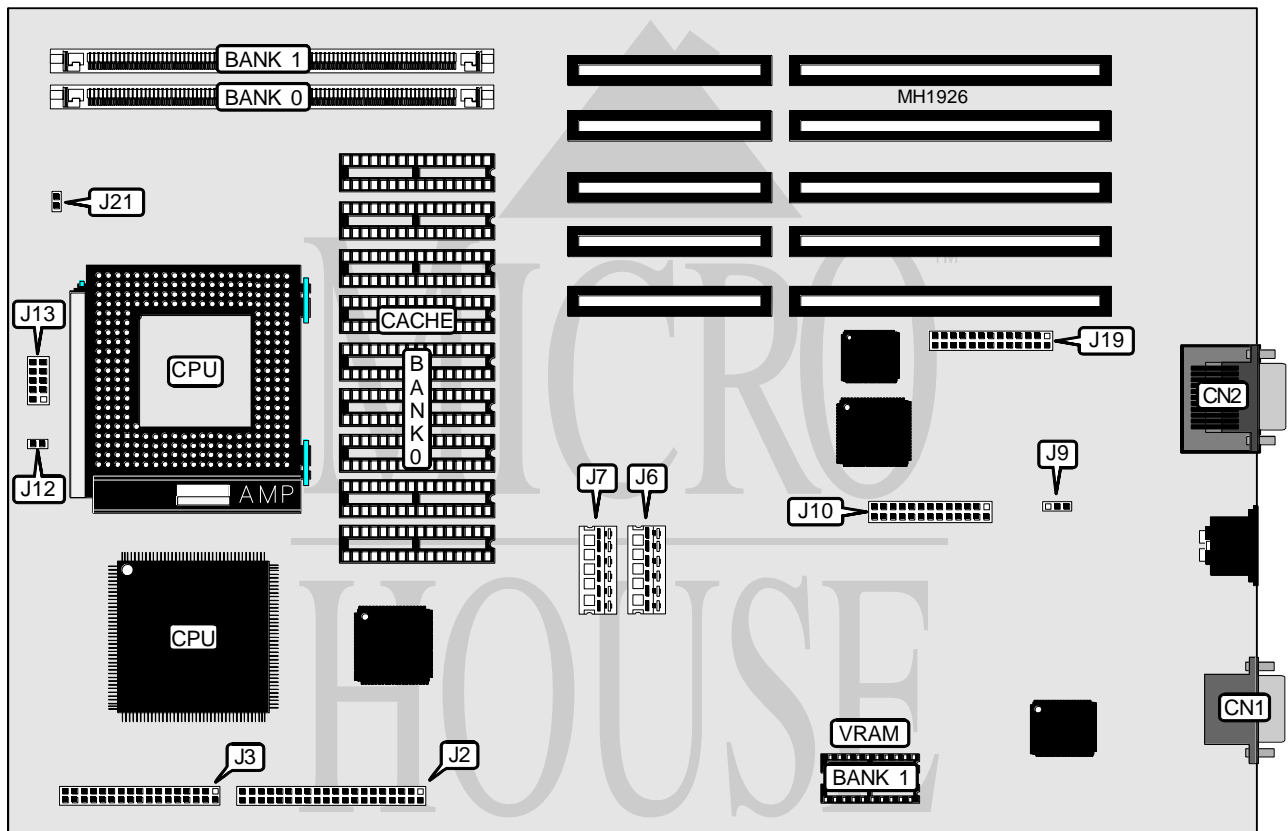


TULIP COMPUTERS

DE/DS TULIP 486 ISA (TC39)

Processor	80486SX/80486DX/80486DX2
Processor Speed	33/50(internal)/66(internal)MHz
Chip Set	Texas Instruments
Max. Onboard DRAM	52MB
Cache	256KB
BIOS	Phoenix
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interface, parallel port, serial ports (2), VGA feature connector, VGA port
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Video feature connector	CN1	VGA port	J10
Serial ports 1 & 2	CN2	LED flat cable, speaker & battery	J13
IDE interface	J2	Parallel port	J19
Floppy drive interface	J3	Chassis fan power	J21

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TULIP COMPUTERS

DE/DS TULIP 486 ISA (TC39)

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DRAM CONFIGURATION			
Expansion from:	Expansion to:	Bank 0	Bank 1
4MB	8MB	(1) 1M x 36	None
4MB	12MB	(1) 1M x 36	(1) 1M x 36
4MB	12MB	(1) 2M x 36	None
4MB	16MB	(1) 1M x 36	(1) 2M x 36
4MB	20MB	(1) 2M x 36	(1) 2M x 36
4MB	20MB	(1) 4M x 36	None
4MB	24MB	(1) 1M x 36	(1) 4M x 36
4MB	28MB	(1) 2M x 36	(1) 4M x 36
4MB	36MB	(1) 4M x 36	(1) 4M x 36
4MB	36MB	(1) 8M x 36	None
4MB	40MB	(1) 1M x 36	(1) 8M x 36
4MB	44MB	(1) 2M x 36	(1) 8M x 36
4MB	52MB	(1) 4M x 36	(1) 8M x 36
N/A	64MB	(1) 8M x 36	(1) 8M x 36

Note: 4MB is internal memory and is not configurable. When 8M x 36 simms are installed, the 4MB internal memory is disabled.

CACHE CONFIGURATION	
Expansion to:	Bank 0
256 KB	(9) 32K x 8

VRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(2) 256K X 16	None
2MB	(2) 256K X 16	(2) 256K X 16

Note: Bank 0 is factory installed and is not configurable.