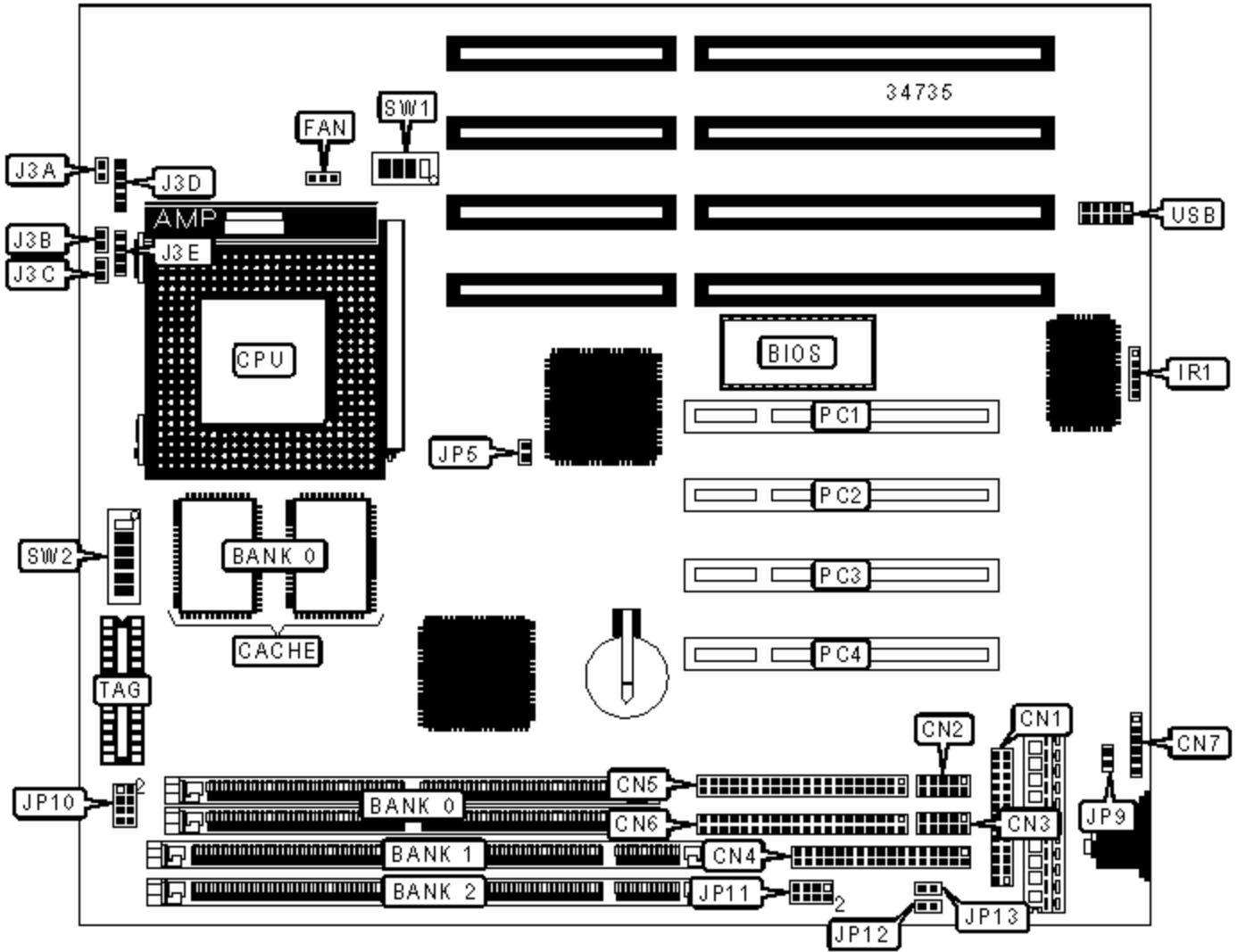


M TECHNOLOGY, INC.

R540 MIG

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/200/233/266MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector
NPU Options	None



CONNECTIONS

Location	Location
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Purpose	Location	Purpose	Location
Parallel port	CN1	IR connector	IR1
Serial port 2	CN2	Reset switch	J3A
Serial port 1	CN3	Turbo LED	J3B
Floppy drive interface	CN4	IDE interface LED	J3C
IDE interface 2	CN5	Power LED & keylock	J3D
IDE interface 1	CN6	Speaker	J3E
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 – PC4
CPU fan power	FAN	USB connector	USB

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP5	Closed
	CMOS memory clear	JP5	Open
»	Factory configured - do not alter	JP9	Unidentified
»	Factory configured - do not alter	JP12	Unidentified
»	Factory configured - do not alter	JP13	Unidentified

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 1	Bank 2
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

Note: Board accepts SDRAM memory.

150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
150MHz	60MHz	2x	On	Off	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
166MHz	60MHz	2.5x	On	On	Off	On	Off	Off
200MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
233MHz	75MHz	2.5x	On	On	Off	Off	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
90MHz	60MHz	1.5x	Off	Off	On	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	On	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
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166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
90MHz	60MHz	1.5x	Off	Off	On	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	On	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	Off	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
180MHz	60MHz	3x	Off	On	Off	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	Off	Off	Off

CPU VOLTAGE SELECTION

Voltage	SW1/1	SW1/2	SW1/3	SW1/4
2.1v	On	Off	Off	Off
2.2v	Off	On	Off	Off
2.3v	On	On	Off	Off
2.4v	Off	Off	On	Off
2.5v	On	Off	On	Off

2.6v	Off	On	On	Off
2.7v	On	On	On	Off
2.8v	Off	Off	Off	On
2.9v	On	Off	Off	On
3.0v	Off	On	Off	On
3.1v	On	On	Off	On
3.2v	Off	Off	On	On
3.3v	On	Off	On	On
3.4v	Off	On	On	On