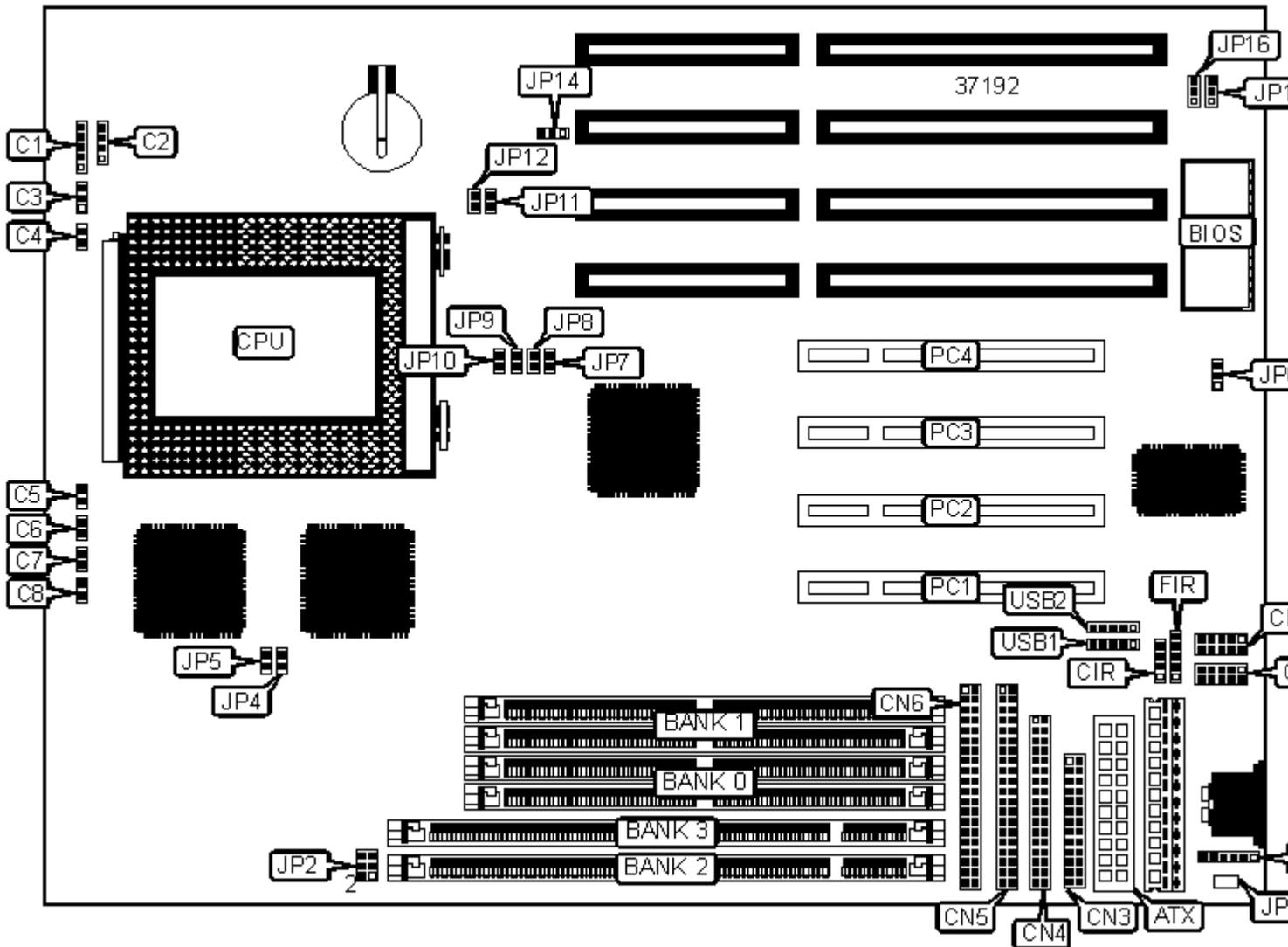


M TECHNOLOGY, INC.

R622

Device Type	Mainboard
Processor	Pentium Pro
Processor Speed	150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	1GB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium Pro CPU)
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connectors (2), USB connectors (2), ATX power connector
NPU Options	None



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Serial port 1	CN2
Power LED & keylock	C1	Parallel port	CN3
Speaker	C2	Floppy drive interface	CN4
Turbo switch	C3	IDE interface 1	CN5
Turbo LED	C4	IDE interface 2	CN6
Reset switch	C5	PS/2 mouse interface	CN7
IDE interface LED	C6	FIR connector	FIR
Green PC connector	C7	32-bit PCI slots	PC1 – PC4
Soft off power supply	C8	USB connector 1	USB1
CIR connector	CIR	USB connector 2	USB2
Serial port 2	CN1		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JP1	Unidentified
	Power supply select AT	JP6	Pins 1 & 2 closed
	Power supply select ATX	JP6	Pins 2 & 3 closed
»	CMOS memory normal operation	JP14	Pins 1 & 2 closed
	CMOS memory clear	JP14	Pins 2 & 3 closed

Note: JP1 may not be present on all boards.

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36

24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
256MB	(2) 32M x 36	None
264MB	(2) 32M x 36	(2) 1M x 36
272MB	(2) 32M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3
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
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
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64

320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO memory.		

DIMM VOLTAGE CONFIGURATION	
Voltage	JP2
3.3v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium Pro CPU.

CPU SPEED SELECTION						
CPU speed	Clock speed	Multiplier	JP4	JP5	JP7	JP8
150MHz	60MHz	2.5x	Open	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Open	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open

CPU SPEED SELECTION (CON'T)						
CPU speed	Clock speed	Multiplier	JP9	JP10	JP11	JP12
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Closed	Closed	Open
180MHz	60MHz	3x	Closed	Closed	Open	Closed
200MHz	66MHz	3x	Closed	Closed	Closed	Open

BIOS SELECTION		
Type	JP15	JP16

None	Pins 1 & 2 closed	Pins 1 & 2 closed
5v	Pins 1 & 2 closed	Pins 2 & 3 closed
12v	Pins 2 & 3 closed	Pins 2 & 3 closed