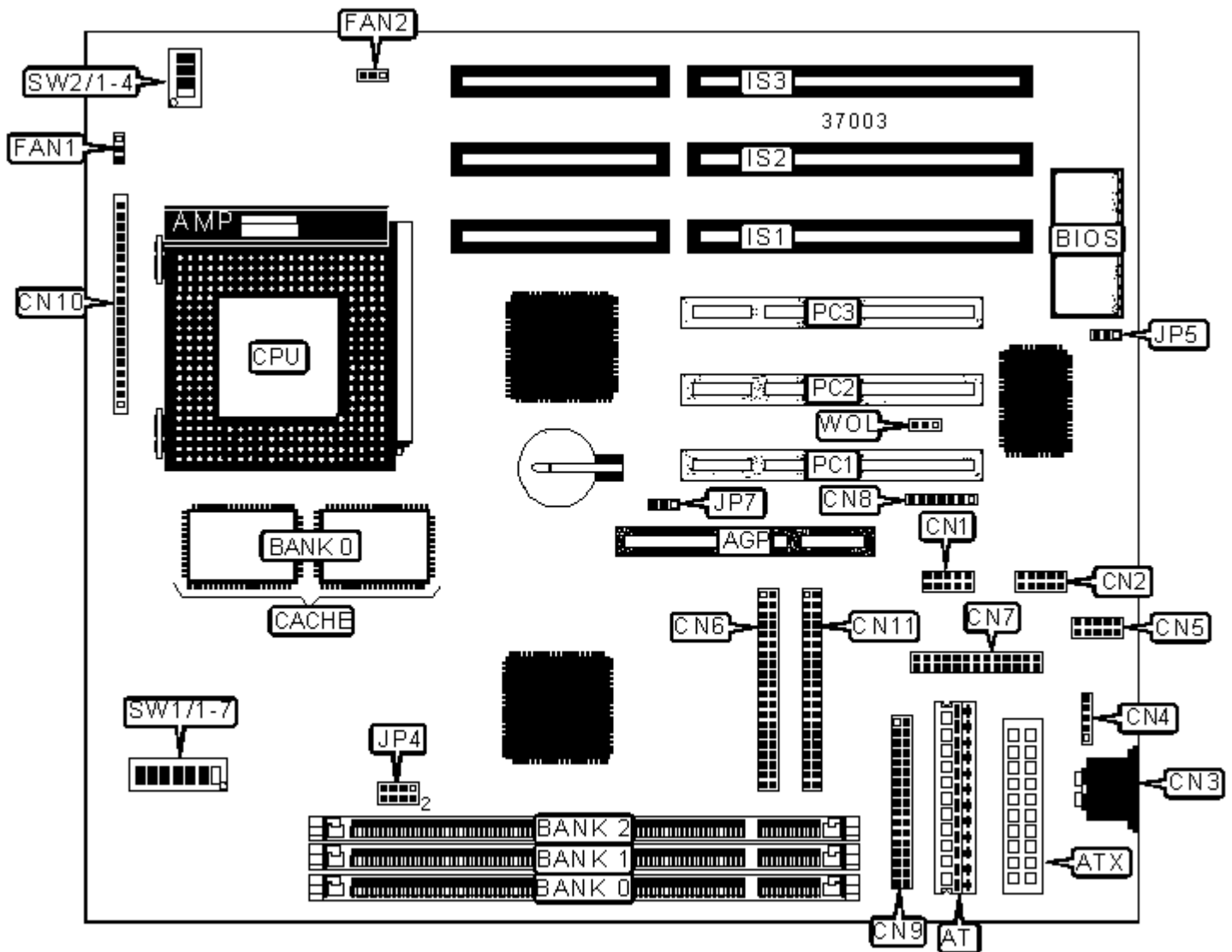


BOARDRUNNER

5MVP3 (VER. 4.0)

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/CX M II/AM K5/AM K6/ AM K6-2/Pentium/Pentium MMX
Processor Speed	100/120/133/150/166/180/200/233/250/266/300/333/350/380/400MHz
Chip Set	VIA
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	512/1024KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	16-bit ISA slots (3), 32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, AT keyboard port, serial interfaces (2), IR connector, USB interfaces (2), ATX power connector, AT power connector, AGP slot, Wake-on-LAN connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Power LED & keylock	CN10/pins 1 – 5
AT power connector	AT	Speaker	CN10/pins 7 – 10
ATX power connector	ATX	Reset switch	CN10/pins 12 & 13
Serial interface 1	CN1	Turbo LED	CN10/pins 15 & 16
Serial interface 2	CN2	Green PC connector	CN10/pins 18 & 19
AT keyboard port	CN3	IDE interface LED	CN10/pins 21 & 22
PS/2 mouse interface	CN4	IDE interface 2	CN11
USB interface	CN5	Fan power 1	Fan1
IDE interface 1	CN6	Fan power 2	Fan2
Parallel interface	CN7	16-bit ISA slots	IS1-IS3
IR connector	CN8	32-bit PCI slots	PC1 – PC3
Floppy drive interface	CN9	Wake on LAN connector	WOL

USER CONFIGURABLE SETTINGS

Function		Label	Position
	Flash BIOS voltage select 5v	JP5	Pins 1 & 2 closed
	Flash BIOS voltage select 12v	JP5	Pins 2 & 3 closed
»	CMOS memory normal operation	JP7	Pins 1 & 2 closed
	CMOS memory clear	JP7	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None

32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board supports EDO & SDRAM memory. Maximum EDO is 768MB. Maximum SDRAM is 384MB.

DIMM FREQUENCY CONFIGURATION

Frequency	SW1/7
Same as CPU clock	Off
66MHz	On

DIMM VOLTAGE CONFIGURATION

Voltage	JP4
3.3v	Pins 5 & 6, 7 & 8 closed
5v	Pins 1 & 2, 3 & 4 closed

CACHE CONFIGURATION

Size	Bank 0
512KB	(2) 36K x 32
1MB	(2) 128 x 32

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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166MHz	66MHz	2x	On	Off	Off	Off	On	On
166MHz	60MHz	2.5x	On	On	Off	On	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
266MHz	83MHz	2.5x	On	On	Off	Off	On	Off

CPU SPEED SELECTION (CX M II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
300MHz	66MHz	3.5x	Off	Off	Off	Off	On	On
333MHz	83MHz	3x	Off	On	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
133MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On
266MHz	66MHz	4x	On	Off	On	Off	On	On
300MHz	66MHz	4.5x	On	On	On	Off	On	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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250MHz	100MHz	2.5x	On	On	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	Off	On	On
300MHz	100MHz	3x	Off	On	Off	Off	Off	Off
333MHz	95MHz	3.5x	Off	Off	Off	On	Off	Off
350MHz	100MHz	3x	Off	Off	Off	Off	Off	Off
380MHz	95MHz	4x	On	Off	On	On	Off	Off
400MHz	100MHz	4x	On	Off	On	Off	Off	Off

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
120MHz	60MHz	2x	On	Off	Off	On	On	On
133MHz	66MHz	2x	On	Off	Off	Off	On	On
150MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
180MHz	60MHz	3x	Off	On	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On

CPU VOLTAGE SELECTION (DUAL)

V core	SW2/1	SW2/2	SW2/3	SW2/4
2.1v	On	Off	Off	Off
2.2v	Off	On	Off	Off
2.7v	On	On	On	Off

2.8v	Off	Off	Off	On
2.9v	On	Off	Off	On
3.2v	Off	Off	On	On

CPU VOLTAGE SELECTION (SINGLE)				
V core	SW2/1	SW2/2	SW2/3	SW2/4
3.3v	On	Off	On	On
3.5v	On	On	On	On