BOARDRUNNER

5VMX (VIA MVP3)

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 6X86MX/CX MII/IBM 6X86MX/AM K5/AM K6/AM K6-2/IDT Win Chip C6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/225/233/240/266/300/333/350/366/380/400/450MHz
Chip Set	VIA
Maximum Onboard Memory	1024MB (EDO & SDRAM supported)
Cache	1024KB
BIOS	Award
Dimensions	304mm x 200mm
I/O Options	16-bit ISA slots (3), 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, Wake-on-LAN connector
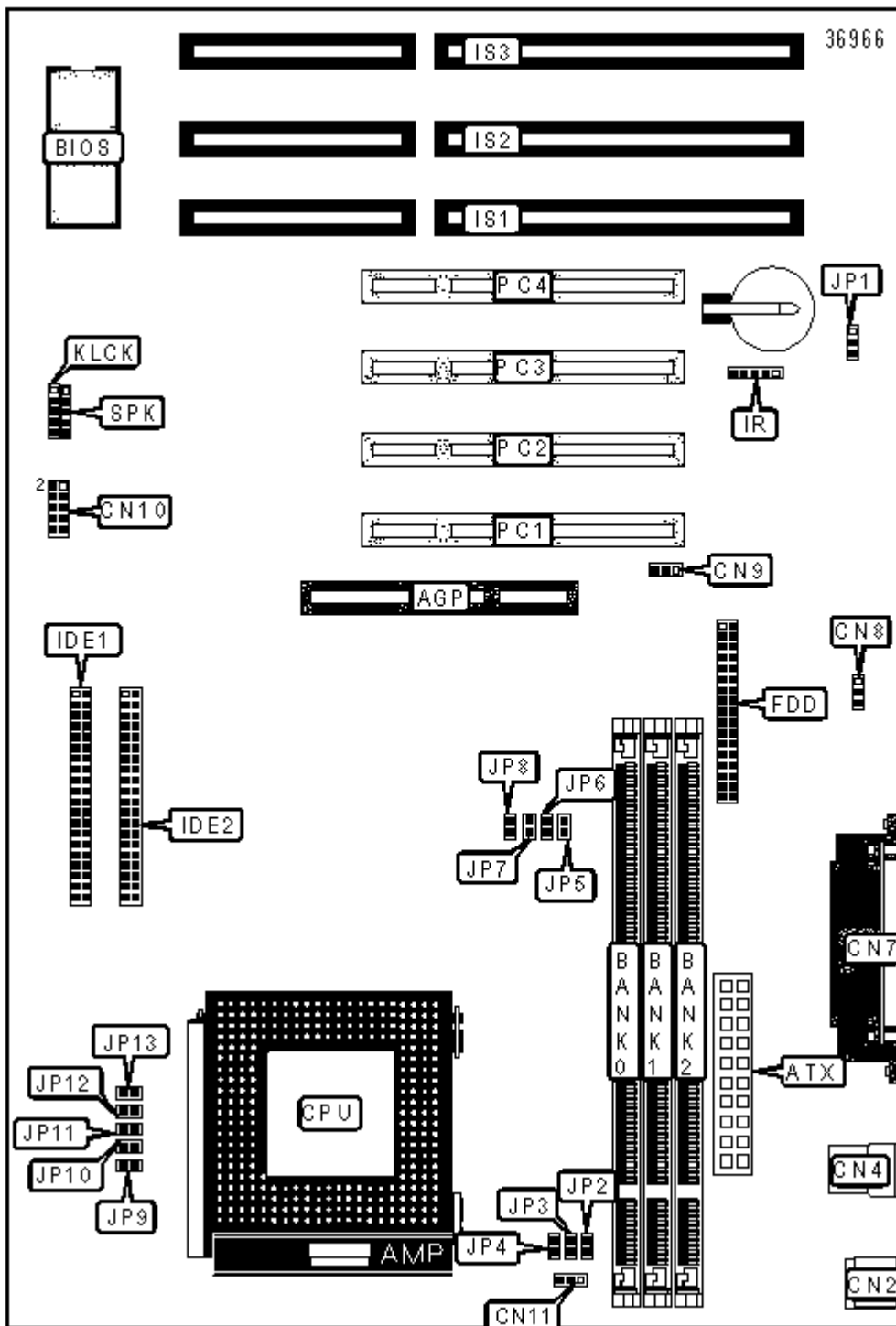
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Turbo LED	CN10/Pins 5 & 6
ATX power connector	ATX	Green PC LED	CN10/Pins 7 & 8
PS/2 keyboard interface	CN1	Power switch	CN10/Pins 9 & 10
PS/2 mouse interface	CN2	CPU fan power	CN11
USB port 1	CN3	Floppy drive interface	FDD

USB port 2	CN4	IDE interface 1	IDE1
Serial port 1	CN5	IDE interface 2	IDE2
Serial port 2	CN6	IR connector	IR
Parallel port	CN7	16-bit ISA slots	IS1 - IS3
System fan power	CN8	Power LED & keylock	KLCK
Wake-on-LAN connector	CN9	32-bit PCI slots	PC1 - PC4
Reset switch	CN10/Pins 1 & 2	Speaker	SPK
IDE interface LED	CN10/Pins 3 & 4		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed
	SDRAM clock at CPU clock speed	JP5	Open
	SDRAM clock at AGP clock speed	JP5	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
512MB	(1) 64M x 64	None	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
1024MB	(1) 64M x 64	(1) 64M x 64	None

Note: Board accepts EDO & SDRAM memory.

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8

CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
150MHz	60MHz	2x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
150MHz	60MHz	2x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open
233MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	75MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open

CPU SPEED SELECTION (CX MII)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
266MHz	83MHz	2.5x	Closed	Closed	Open	Open	Closed	Open
300MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed
300MHz	75MHz	3x	Open	Closed	Open	Closed	Closed	Open
333MHz	83MHz	3x	Open	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8

150MHz	60MHz	2x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open

CPU SPEED SELECTION (IBM 6X86L)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
150MHz	60MHz	2x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open

CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
166MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
200MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	75MHz	2x	Closed	Open	Open	Closed	Closed	Open
233MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	75MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
266MHz	83MHz	2.5x	Closed	Closed	Open	Open	Closed	Open
300MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed
300MHz	75MHz	3x	Open	Closed	Open	Closed	Closed	Open
333MHz	83MHz	3x	Open	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
90MHz	60MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Open	Open	Closed	Closed
120MHz	60MHz	1.5x	Open	Open	Open	Closed	Closed	Closed

CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
133MHz	66MHz	1.5x	Open	Open	Open	Open	Closed	Closed
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Closed	Closed
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Open	Closed	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed	Open	Closed	Closed

CPU SPEED SELECTION (AM K6-2)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
266MHz	66MHz	4x	Closed	Open	Closed	Open	Closed	Closed
300MHz	100MHz	3x	Open	Closed	Open	Open	Open	Open
333MHz	95MHz	3.5x	Open	Open	Open	Closed	Open	Open
350MHz	100MHz	3.5x	Open	Open	Open	Open	Open	Open
366MHz	66MHz	5.5x	Open	Open	Closed	Open	Closed	Closed
380MHz	95MHz	4x	Closed	Open	Closed	Closed	Open	Open
400MHz	100MHz	4x	Closed	Open	Closed	Open	Open	Open
450MHz	100MHz	4.5x	Closed	Closed	Closed	Open	Open	Open

CPU SPEED SELECTION (IDT C6)								
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4	JP6	JP7	JP8
180MHz	60MHz	3x	Open	Closed	Open	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed

225MHz	75MHz	3x	Open	Closed	Open	Closed	Closed	Open
240MHz	60MHz	4x	Closed	Open	Closed	Closed	Closed	Closed

CPU SPEED SELECTION (PENTIUM)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP6**	**JP7**	**JP8**
90MHz	60MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Open	Open	Closed	Closed
120MHz	60MHz	2x	Closed	Open	Open	Closed	Closed	Closed
133MHz	66MHz	2x	Closed	Open	Open	Open	Closed	Closed
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Open	Closed	Closed

CPU CORE VOLTAGE SELECTION (DUAL)					
Voltage	**JP9**	**JP10**	**JP11**	**JP12**	**JP13**
1.6v	Closed	Open	Closed	Closed	Open
1.7v	Closed	Closed	Open	Open	Open
1.8v	Closed	Closed	Open	Closed	Open
1.9v	Closed	Closed	Closed	Open	Open
2.0v	Open	Open	Open	Open	Open
2.1v	Open	Open	Open	Open	Closed
2.2v	Open	Open	Open	Closed	Open
2.3v	Open	Open	Open	Closed	Closed
2.4v	Open	Open	Closed	Open	Open
2.5v	Open	Open	Closed	Open	Closed
2.6v	Open	Open	Closed	Closed	Open
2.7v	Open	Open	Closed	Closed	Closed
2.8v	Open	Open	Closed	Closed	Closed

2.9v	Open	Closed	Open	Open	Closed
3.0v	Open	Closed	Open	Closed	Open
3.1v	Open	Closed	Open	Closed	Closed
3.2v	Open	Closed	Closed	Open	Open
3.4v	Open	Closed	Open	Open	Open

CPU CORE VOLTAGE SELECTION (SINGLE)					
Voltage	**JP9**	**JP10**	**JP11**	**JP12**	**JP13**
3.3v	Open	Closed	Closed	Open	Closed
3.5v	Open	Closed	Closed	Closed	Closed