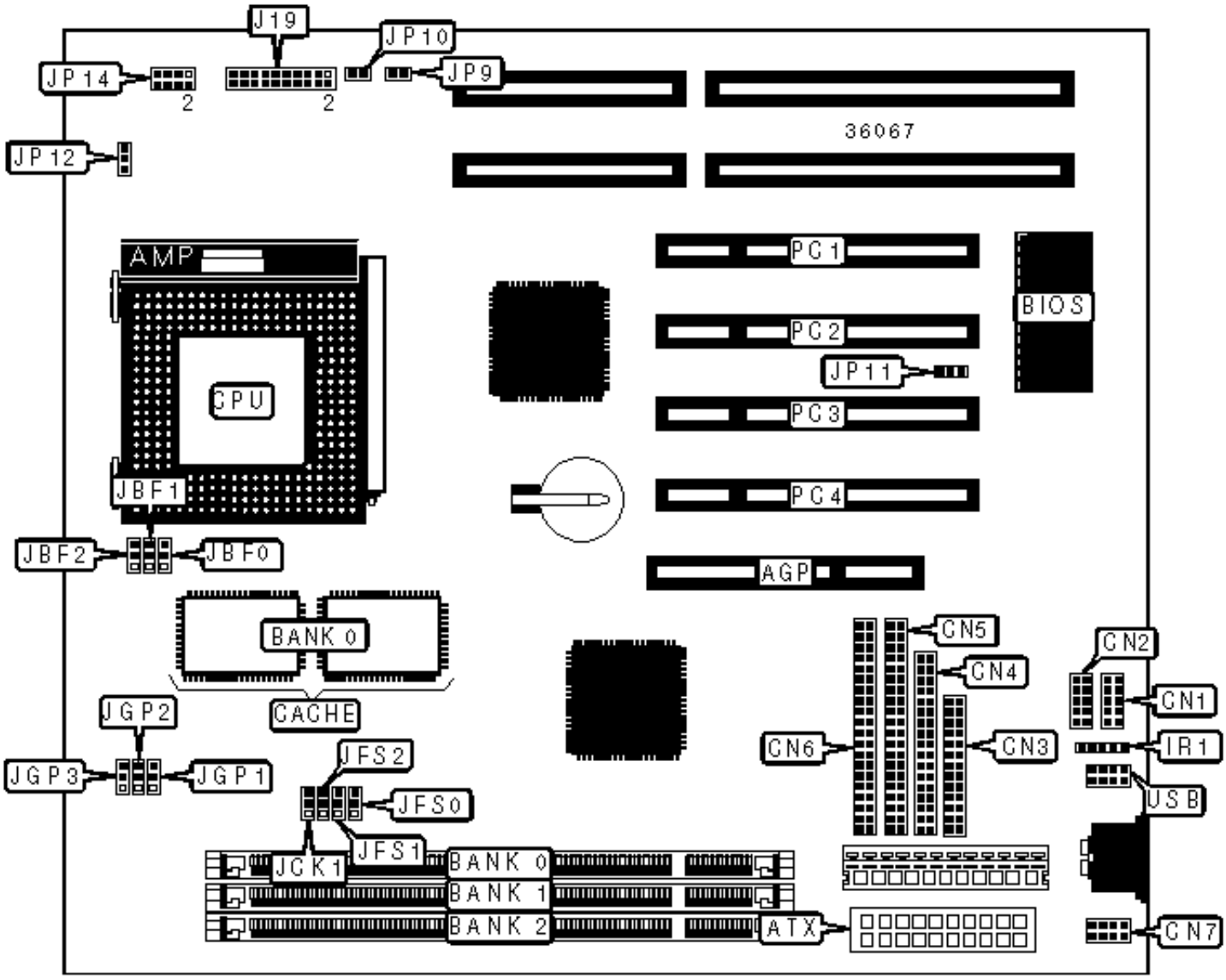
TEKRAM TECHNOLOGY CO., LTD.

P5MVP-B4

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Turbo LED	J19/pins 3 & 5
ATX power connector	ATX	Green PC connector	J19/pins 7 & 9
Serial port 1	CN1	Speaker	J19/pins 14/16/18/20
Serial port 2	CN2	Reset switch	J19/pins 17 & 19
Parallel port	CN3	Soft off power supply	JP9
Floppy drive interface	CN4	IDE interface LED	JP10
IDE interface 1	CN5	Wake on LAN connector	JP11
IDE interface 2	CN6	Chassis fan power	JP12
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 – PC4
IR connector	IR1	USB connector	USB
Power LED & keylock	J19/pins 2/4/6/8/10		

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64

48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None

DIMM CONFIGURATION (CON’T)			
Size	Bank 0	Bank 1	Bank 2
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
144MB	(1) 16M x 64	(1) 2M x 64	None

144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board accepts EDO & SDRAM memory.

DIMM FREQUENCY CONFIGURATION

CPU frequency	SDRAM frequency	JCK1	JGP1	JGP2	JGP3
66MHz	66MHz	2 & 3	2 & 3	2 & 3	1 & 2
75MHz	75MHz	2 & 3	2 & 3	2 & 3	1 & 2
83MHz	83MHz	1 & 2	1 & 2	1 & 2	2 & 3
95MHz	95MHz	1 & 2	2 & 3	1 & 2	2 & 3
100MHz	66MHz	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	100MHz	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CACHE CONFIGURATION

Size	Bank 0
512KB	(2) 64K x 32
1MB	(2) 128 x 32

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
166MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
233MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
266MHz	83MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
300MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
333MHz	83MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
266MHz	100MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
333MHz	95MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
350MHz	100MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
380MHz	95MHz	4x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
400MHz	100MHz	4x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
150MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
133MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JBF0	JBF1	JBF2	JFS0	JFS1	JFS2
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage	JP14/pins 1 & 2	JP14/pins 3 & 4	JP14/pins 5 & 6	JP14/pins 7 & 8
2.0v	Open	Open	Open	Open
2.1v	Open	Open	Open	Closed
2.2v	Open	Open	Closed	Open

2.3v	Open	Open	Closed	Closed
2.4v	Open	Closed	Open	Open
2.5v	Open	Closed	Open	Closed
2.6v	Open	Open	Open	Open
2.7v	Open	Closed	Closed	Closed
2.8v	Closed	Open	Open	Open
2.9v	Closed	Open	Open	Closed
3.0v	Open	Closed	Open	Closed
3.1v	Closed	Closed	Open	Closed
3.2v	Open	Open	Closed	Closed