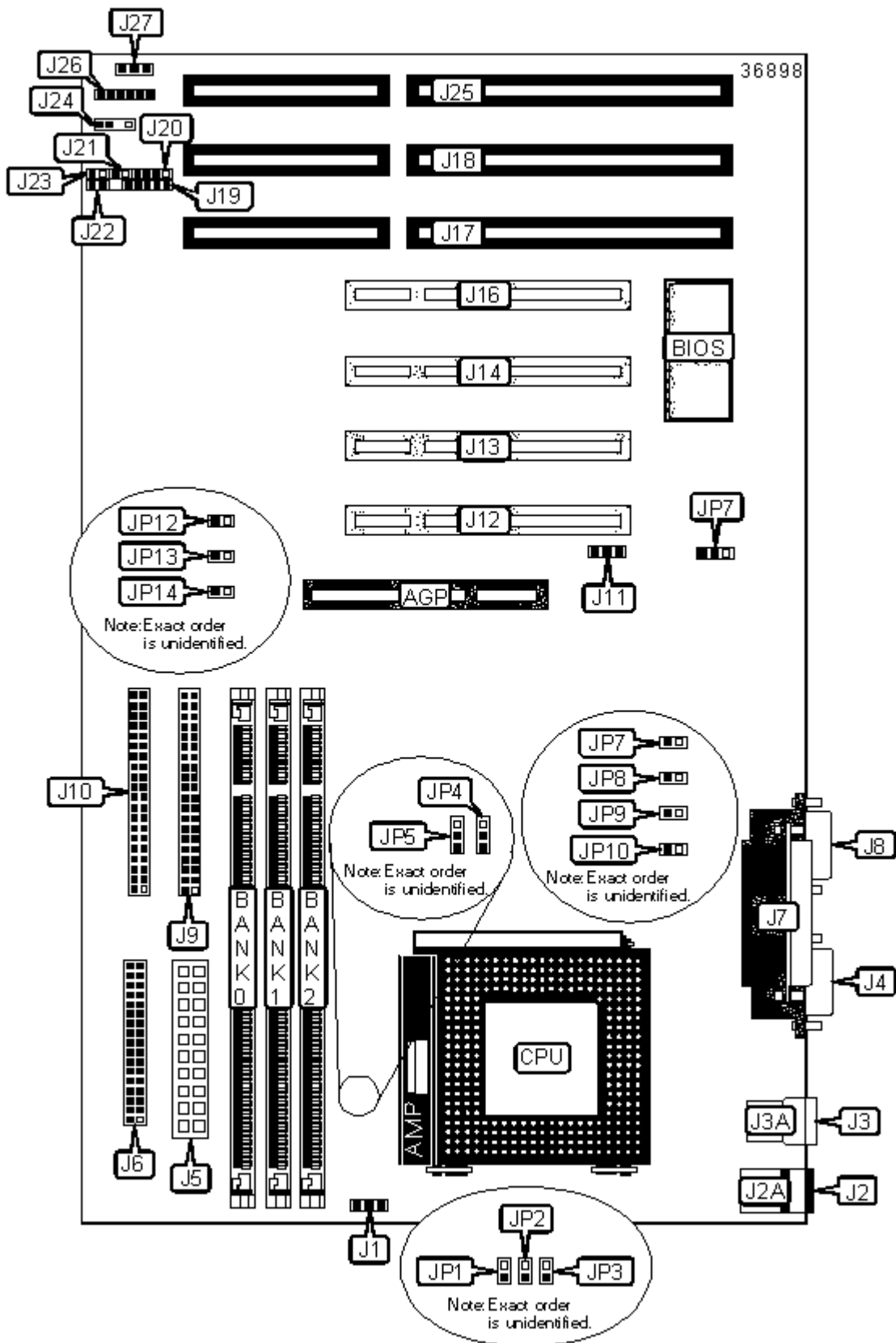


## BCM ADVANCED RESEARCH, INC.

VP1541

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/CX 6X86L/CX 6X86MX/CX MII/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
<b>Processor Speed</b>	90/100/120/133/150/166/180/200/233/266/300/333/350/366/380/400MHz
<b>Chip Set</b>	ALI
<b>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 191mm
<b>I/O Options</b>	16-bit ISA slots (3), 32-bit PCI slots (4), AGP slot, ATX power connector, Floppy drive interface, Green PC connector, IDE interfaces (2), IR connector, Parallel port, PS/2 keyboard port, PS/2 mouse port, Serial ports (2), USB ports (2), Wake-on-LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	32-bit PCI slot 2	J13

CPU fan power	J1	32-bit PCI slot 3	J14
PS/2 keyboard port	J2	32-bit PCI slot 4	J16
PS/2 mouse port	J2A	16-bit ISA slot 1	J17
USB port 1	J3	16-bit ISA slot 2	J18
USB port 2	J3A	Power LED & keylock	J19
Serial port 1	J4	IDE interface LED	J20
ATX power connector	J5	Green PC switch	J21
Floppy drive interface	J6	Reset switch	J22
Parallel port	J7	Power switch	J23
Serial port 2	J8	Speaker	J24
IDE interface 2	J9	16-bit ISA slot 3	J25
IDE interface 1	J10	IR connector	J26
Wake-on-LAN connector	J11	Chassis fan power	J27
32-bit PCI slot 1	J12		

#### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	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.

## CPU BUS SPEED SELECTION

CPU Bus Speed	JP12	JP13	JP14
60MHz	Closed	Closed	Closed
66MHz	Closed	Closed	Open
75MHz	Open	Closed	Closed
83MHz	Open	Closed	Open
100MHz	Open	Open	Open

CPU MULTIPLIER SELECTION			
Multiplier	JP1	JP2	JP3
1.5x	Open	Open	Open
2.0x	Open	Open	Closed
2.5x	Open	Closed	Closed
3.0x	Open	Closed	Open
3.5x	Open	Open	Open
4.0x	Closed	Open	Closed
4.5x	Closed	Open	Open

CPU VOLTAGE SELECTION (DUAL)						
Voltage	JP4	JP5	JP7	JP8	JP9	JP10
2.1V	2 & 3	2 & 3	Open	Open	Open	Closed
2.2V	2 & 3	2 & 3	Open	Open	Closed	Open
2.8V	2 & 3	2 & 3	Closed	Open	Open	Open
2.9V	2 & 3	2 & 3	Closed	Open	Open	Closed
3.2V	2 & 3	2 & 3	Closed	Closed	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)						
Voltage	JP4	JP5	JP7	JP8	JP9	JP10
3.31V	1 & 2	1 & 2	Closed	Closed	Open	Closed

3.5V	1 & 2	1 & 2	Closed	Closed	Closed	Closed
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Note: Pins designated should be in the closed position.