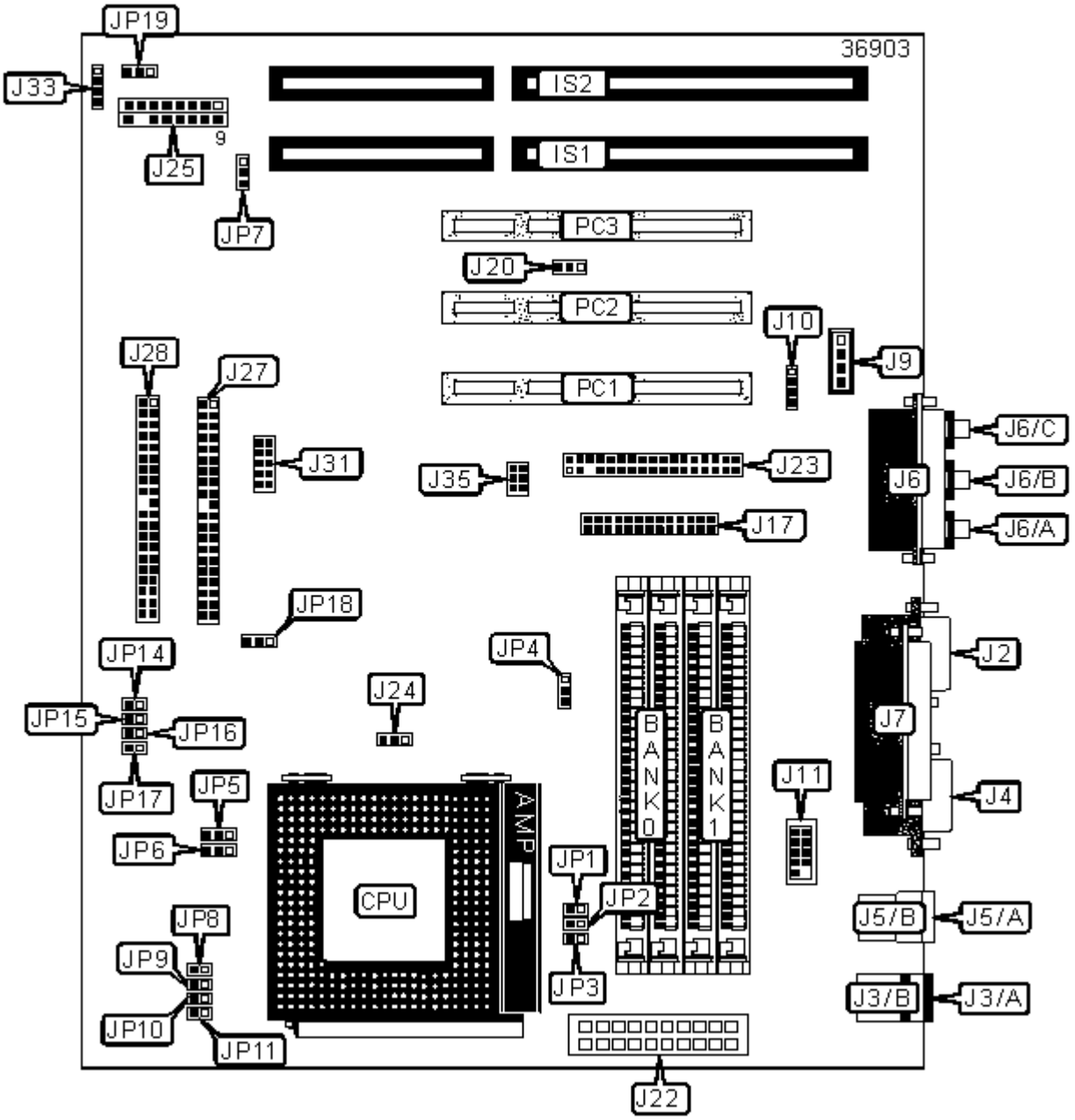
BCM ADVANCED RESEARCH, INC.

IN5598

Device Type	Mainboard
Processor	CX 6x86/CX 6x86L/CX 6x86MX/CX MII/AM K5/AM K6/Pentium/Pentium MMX/IDT C6
Processor Speed	75/90/100/120/133/150/166/200/225/233/266/300MHz
Chip Set	SiS
Video Chip Set	SiS
Audio Chip Set	ESS
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	4MB
Maximum Audio Memory	Unidentified
Cache	0/512KB
BIOS	Award
Dimensions	244mm x 206mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (3), ATX power connector, audio in - CD-ROM, feature connector, floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), line in, line out, microphone in, parallel port, PS/2 keyboard port, PS/2 mouse port, serial interface, serial port, USB ports (2), VGA port, Wake-on-LAN connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
VGA port	J2	ATX power connector	J22
PS/2 keyboard port	J3/A	Floppy drive interface	J23
PS/2 mouse port	J3/B	CPU fan power	J24
Serial port 1	J4	IDE interface LED	J25/Pins 1 & 2
USB port 1	J5/A	Reset switch	J25/Pins 3 & 4
USB port 2	J5/B	Power/Green PC LED	J25/Pins 9 & 10
Game/MIDI port	J6	Power switch	J25/Pins 11 & 12

Line out	J6/A	Green PC switch	J25/Pins 13 & 14
Line in	J6/B	IDE interface 2	J27
Microphone in	J6/C	IDE interface 1	J28
Parallel port	J7	Unidentified	J31
Audio in - CD-ROM	J9	Speaker	J33
Serial interface 2	J11	Unidentified	J35
Feature connector	J17	16-bit ISA slots	IS1 - IS2
Wake-on-LAN connector	J20	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
	Onboard video enabled	JP4	Pins 2 & 3 closed
	Onboard video disabled	JP4	Pins 1 & 2 closed
	Linear Burst mode selected	JP17	Closed
	Interleaved Burst mode selected	JP17	Open
»	CMOS memory normal operation	JP19	Pins 1 & 2 closed
	CMOS memory clear	JP19	Pins 2 & 3 closed
Note: Use Linear Burst mode for Cyrix CPUs. Use Interleaved Burst mode for other processors.			

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 32	None
16MB	(2) 1M x 32	(2) 1M x 32
16MB	(2) 2M x 32	None
24MB	(2) 2M x 32	(2) 1M x 32
32MB	(2) 2M x 32	(2) 2M x 32
32MB	(2) 4M x 32	None
40MB	(2) 4M x 32	(2) 1M x 32
48MB	(2) 4M x 32	(2) 2M x 32

64MB	(2) 4M x 32	(2) 4M x 32
64MB	(2) 8M x 32	None
72MB	(2) 8M x 32	(2) 1M x 32
80MB	(2) 8M x 32	(2) 2M x 32
96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
128MB	(2) 16M x 32	None
136MB	(2) 16M x 32	(2) 1M x 32
144MB	(2) 16M x 32	(2) 2M x 32
160MB	(2) 16M x 32	(2) 4M x 32
192MB	(2) 16M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32
Note: Board supports EDO memory. Note: Single-sided SIMMs: 4MB, 8MB, 16MB; Double-sided SIMMs: 8MB, 32MB, 64MB.		

CPU I/O VOLTAGE SELECTION		
CPU Type	**JP5**	**JP6**
CX 6x86, AM K5, Pentium	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6x86L, CX 6x86MX, CX MII, AM K6, Pentium MMX	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU EXTERNAL CLOCK SELECTION			
Clock Speed	**JP14**	**JP15**	**JP16**
50MHz	Closed	Closed	Closed
60MHz	Open	Closed	Closed
66MHz	Closed	Open	Closed
75MHz	Open	Closed	Open

CPU MULTIPLIER SELECTION			
Multiplier	**JP1**	**JP2**	**JP3**
1.5x	Open	Open	Open

2.0x	Closed	Open	Open
2.5x	Closed	Open	Closed
3.0x	Open	Open	Closed
3.5x	Open	Open	Open
4.0x	Closed	Closed	Open

VCORE SELECTION				
Setting	**JP8**	**JP9**	**JP10**	**JP11**
1.8V	Open	Open	Open	Open
2.2V	Open	Open	Closed	Open
2.8V	Open	Open	Open	Closed
2.9V	Closed	Open	Open	Closed
3.2V	Open	Open	Closed	Closed
3.38V	Closed	Open	Closed	Closed
3.52V	Closed	Closed	Closed	Closed