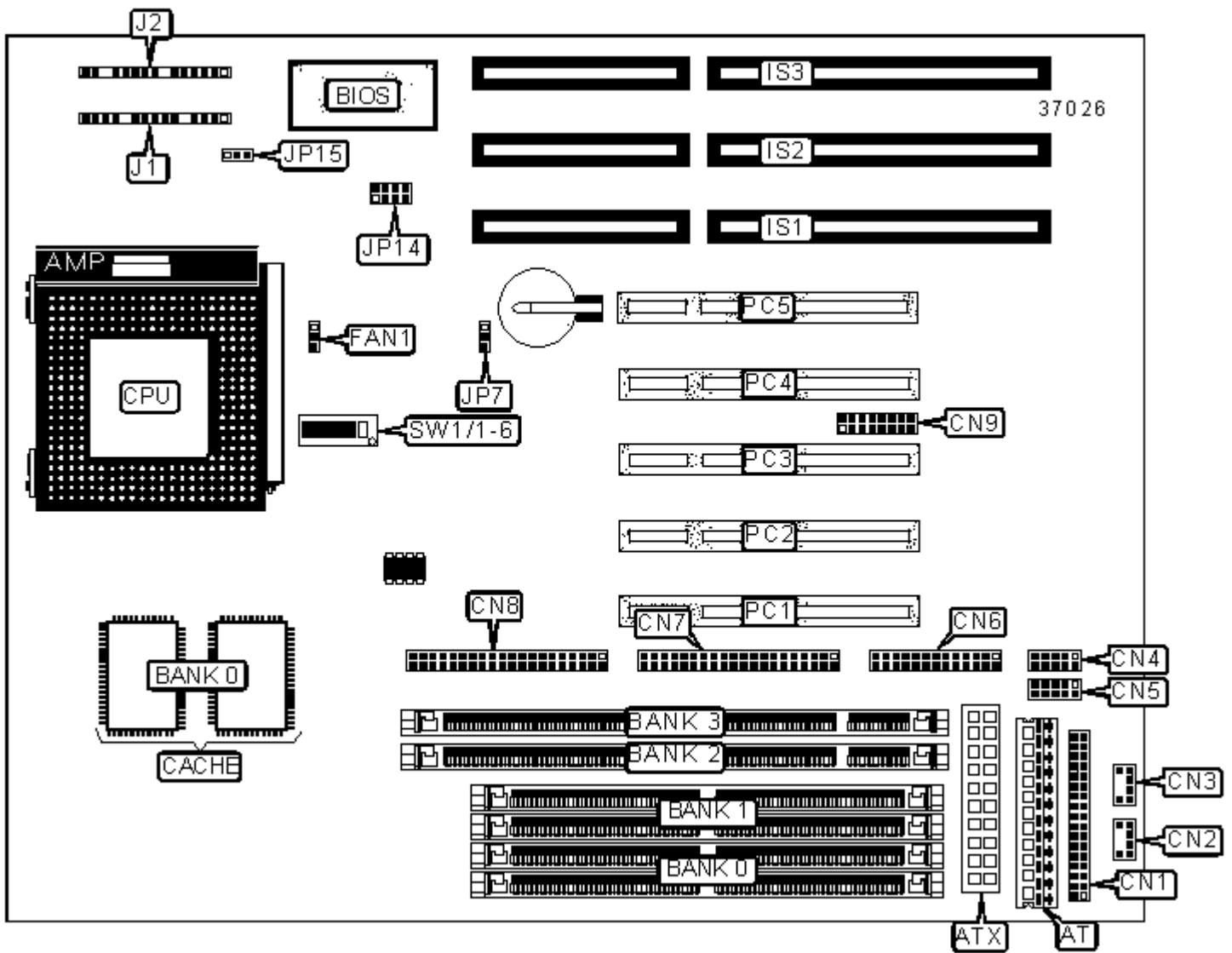


ADVANCED INTEGRATION RESEARCH, INC.

P5-TXA

Device Type	Mainboard
Processor	CX 6X86L/CX 6X86MX/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/266/300/333/366MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	256/512KB
BIOS	Award
Dimensions	220mm x 260mm
I/O Options	16-bit ISA slots (3), 32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse port, PS/2 keyboard interface, serial interfaces (2), IR connector, USB interface, ATX power connector, AT power connector,



CONNECTIONS

Purpose	Location	Purpose	Location
AT power connector	AT	CPU fan power	FAN1

ATX power connector	ATX	16-bit ISA slots	IS1-IS3
Floppy drive interface	CN1	IDE interface LED	J1/Pins 1 - 4
PS/2 keyboard interface	CN2	IR connector	J1/Pins 6 - 10
PS/2 mouse interface	CN3	Power switch	J1/Pins 12 & 13
Serial interface 1	CN4	Green PC connector	J1/Pins 14 & 15
Serial interface 2	CN5	Speaker	J2/Pins 1 - 4
Parallel interface	CN6	Reset switch	J2/Pins 5 & 6
IDE interface 2	CN7	Power LED & keylock	J2/Pins 8 - 12
IDE interface 1	CN8	Turbo LED	J2/Pins 14 & 15
USB interface	CN9	32-bit PCI slots	PC1 - PC5

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP7	Pins 2 & 3 closed
	CMOS memory clear	JP7	Pins 1 & 2 closed
	Intel Flash BIOS write protect enabled	JP15	Pins 1 & 2 closed
	Intel Flash BIOS write protect disabled	JP15	Pins 2 & 3 closed
»	Power selection AT	SW1/6	On
	Power selection ATX	SW1/6	Off

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36

48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

DIMM CONFIGURATION

Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64

96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

Note: Board supports EDO & SDRAM memory.

CACHE CONFIGURATION

Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
133MHz	55MHz	2x	On	Off	On	On	Off
150MHz	60MHz	2x	On	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86MX)

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

266MHz	75MHz	3x	Off	On	Off	On	Off
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CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
90MHz	60MHz	1.5x	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
166MHz	66MHz	2.5x	On	On	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	Off	Off	On
300MHz	66MHz	4.5x	On	On	Off	Off	On
333MHz	66MHz	5x	Off	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	Off	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
266MHz	66MHz	4x	On	Off	Off	Off	On
300MHz	66MHz	4.5x	On	On	Off	Off	On
333MHz	66MHz	5x	Off	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	Off	On

CPU SPEED SELECTION (IDT C6)

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

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
90MHz	60MHz	1.5x	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off
180MHz	60MHz	3x	Off	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off

CPU SPEED SELECTION (PENTIUM MMX)

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

CPU VOLTAGE SELECTION (DUAL)

Voltage	JP14/Pins 1 & 2	JP14/Pins 3 & 4	JP14/Pins 5 & 6	JP14/Pins 7 & 8
2.2v	Open	Open	Closed	Open
2.8v	Closed	Open	Open	Open
2.9v	Closed	Open	Open	Closed

3.2v	Closed	Closed	Open	Open
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CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP14/Pins 1 & 2	JP14/Pins 3 & 4	JP14/Pins 5 & 6	JP14/Pins 7 & 8
3.3v	Closed	Closed	Open	Closed
3.52v	Closed	Closed	Closed	Closed