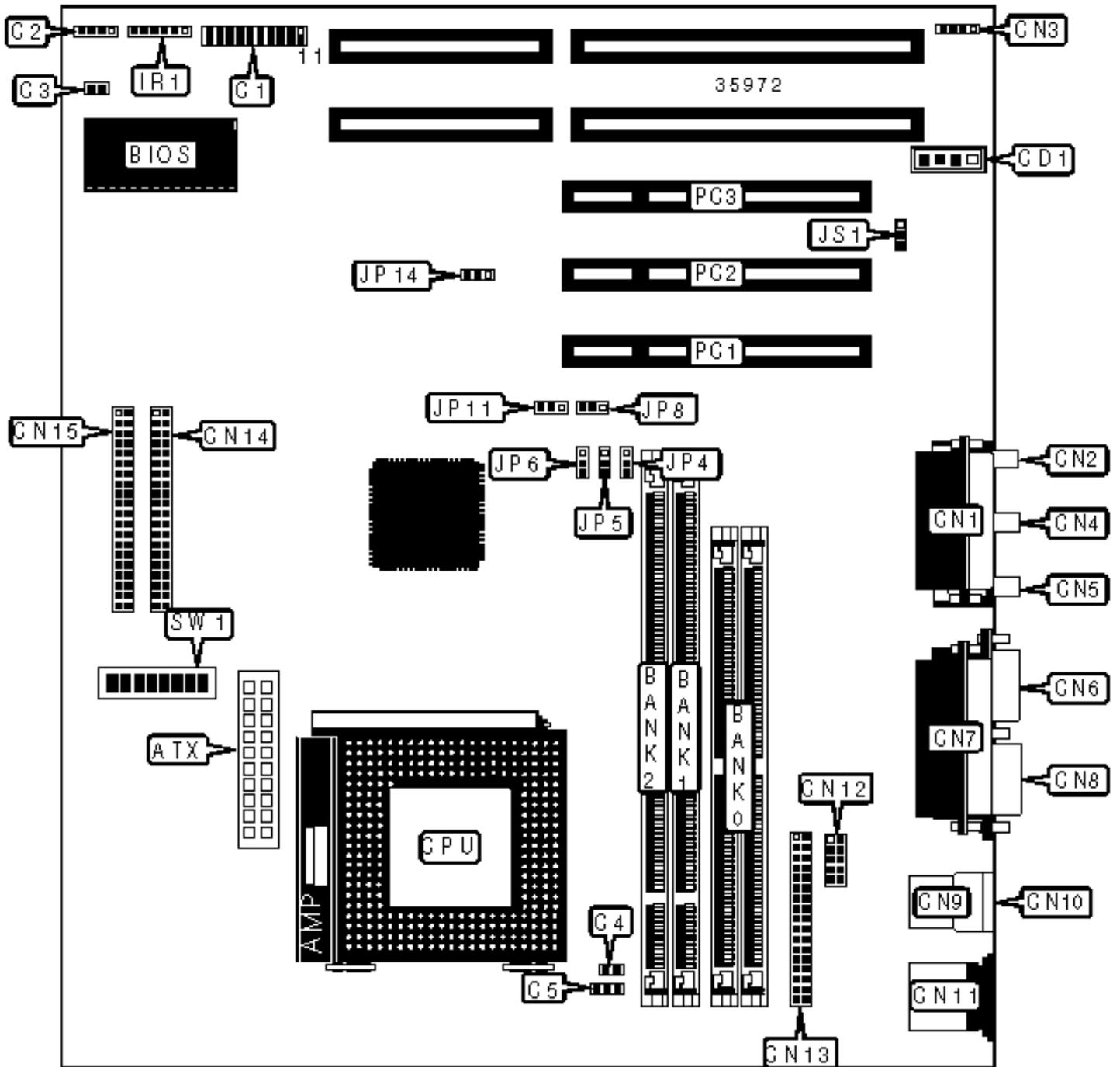


ACER, INC.

MX58 PLUS

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Line in	CN4
Keylock	C1/pins 1 & 2	Line out	CN5
ACPI LED	C1/pins 3 - 5	VGA port	CN6
Speaker	C1/pins 7 - 10	Parallel port	CN7
Reset switch	C1/pins 19 & 20	Serial port 1	CN8
IDE interface LED	C2	USB connector 1	CN9
Soft off power supply	C3	USB connector 2	CN10
CPU fan power	C4	PS/2 mouse port	CN11
CPU fan power	C5	Serial port 2	CN12
Audio in - CD-ROM	CD1	Floppy drive interface	CN13
Game/MIDI port	CN1	IDE interface 2	CN14
Microphone in	CN2	IDE interface 1	CN15
Mono in	CN3/pins 1 & 2	IR connector	IR1
Microphone out	CN3/pins 3 & 4	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS

Function	Label	Position
» PCI CLK select synchronous	JP8	Pins 1 & 2 closed
PCI CLK select asynchronous	JP8	Pins 2 & 3 closed
» On board video enabled	JP11	Pins 1 & 2 closed
On board video disabled	JP11	Pins 2 & 3 closed
» CMOS memory normal operation	JP14	Pins 1 & 2 closed
CMOS memory clear	JP14	Pins 2 & 3 closed
» On board sound enabled	JS1	Pins 1 & 2 closed

	On board sound disabled	JS1	Pins 2 & 3 closed
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SIMM CONFIGURATION	
Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
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 accepts SDRAM memory.		

CACHE CONFIGURATION

Note: The location of the cache is unidentified.

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	On	Off	Off
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	On	Off	Off
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	On	Off	Off
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	On	Off	Off
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	On	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
120MHz	50MHz	2x	2 & 3	2 & 3	1 & 2	On	Off	Off
133MHz	55MHz	2x	2 & 3	2 & 3	2 & 3	On	Off	Off
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	On	Off	Off
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	On	Off	Off
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	On	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
166MHz	60MHz	2.5x	1 & 2	2 & 3	1 & 2	On	On	Off
200MHz	66MHz	2.5x	2 & 3	1 & 2	1 & 2	On	On	Off
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	On	Off	Off
233MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Off	On	Off
233MHz	83MHz	2x	2 & 3	1 & 2	2 & 3	On	Off	Off
266MHz	66MHz	3.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
300MHz	75MHz	3x	1 & 2	2 & 3	2 & 3	Off	On	Off
300MHz	66MHz	3.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
300MHz	60MHz	4x	1 & 2	2 & 3	1 & 2	On	Off	On

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	Off	Off	Off
90MHz	60MHz	1.5x	1 & 2	2 & 3	1 & 2	Off	Off	Off
100MHz	66MHz	1.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
120MHz	60MHz	1.5x	1 & 2	2 & 3	1 & 2	Off	Off	Off

133MHz	66MHz	1.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
166MHz	66MHz	1.75x	2 & 3	1 & 2	1 & 2	On	On	Off
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
166MHz	66MHz	2.5x	2 & 3	1 & 2	1 & 2	On	On	Off
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Off	On	Off
233MHz	66MHz	3.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
266MHz	66MHz	4x	2 & 3	1 & 2	1 & 2	On	Off	On
300MHz	66MHz	4.5x	2 & 3	1 & 2	1 & 2	On	On	On
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IDT C6)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
150MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	On	Off	Off
180MHz	60MHz	3x	1 & 2	2 & 3	1 & 2	Off	On	Off
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Off	On	Off
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
75MHz	50MHz	1.5x	2 & 3	2 & 3	1 & 2	Off	Off	Off
90MHz	60MHz	1.5x	1 & 2	2 & 3	1 & 2	Off	Off	Off
100MHz	66MHz	1.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off
120MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	On	Off	Off

133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	On	Off	Off
150MHz	60MHz	2.5x	1 & 2	2 & 3	1 & 2	On	On	Off
166MHz	66MHz	2.5x	2 & 3	1 & 2	1 & 2	On	On	Off
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Off	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	SW1/1	SW1/2	SW1/3
150MHz	60MHz	2.5x	1 & 2	2 & 3	1 & 2	On	On	Off
166MHz	66MHz	2.5x	2 & 3	1 & 2	1 & 2	On	On	Off
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Off	On	Off
233MHz	66MHz	3.5x	2 & 3	1 & 2	1 & 2	Off	Off	Off

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
3.3v	On	Off	On	On	Off
3.45v	Off	On	On	On	Off
3.52v	On	On	On	On	Off

CPU VOLTAGE SELECTION (DUAL)

Voltage	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
1.30v	Off	Off	Off	Off	On
1.35v	On	Off	Off	Off	On
1.40v	Off	On	Off	Off	On
1.45v	On	On	Off	Off	On

1.50v	Off	Off	On	Off	On
1.55v	On	Off	On	Off	On
1.60v	Off	On	On	Off	On
1.65v	On	On	On	Off	On
1.70v	Off	Off	Off	On	On
1.75v	On	Off	Off	On	On
1.80v	Off	On	Off	On	On
1.85v	On	On	Off	On	On
1.90v	Off	Off	On	On	On
1.95v	On	Off	On	On	On
2.0v	Off	On	On	On	On
2.05v	On	On	On	On	On
2.1v	On	Off	Off	Off	Off
2.2v	Off	On	Off	Off	Off
2.3v	On	On	Off	Off	Off
2.4v	Off	Off	On	Off	Off
2.5v	On	Off	On	Off	Off
2.6v	Off	On	On	Off	Off
2.7v	On	On	On	Off	Off
2.8v	Off	Off	Off	On	Off
2.9v	On	Off	Off	On	Off
3.0v	Off	On	Off	On	Off
3.1v	On	On	Off	On	Off
3.2v	Off	Off	On	On	Off
3.3v	On	Off	On	On	Off
3.4v	Off	On	On	On	Off

3.5v	On	On	On	On	Off
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