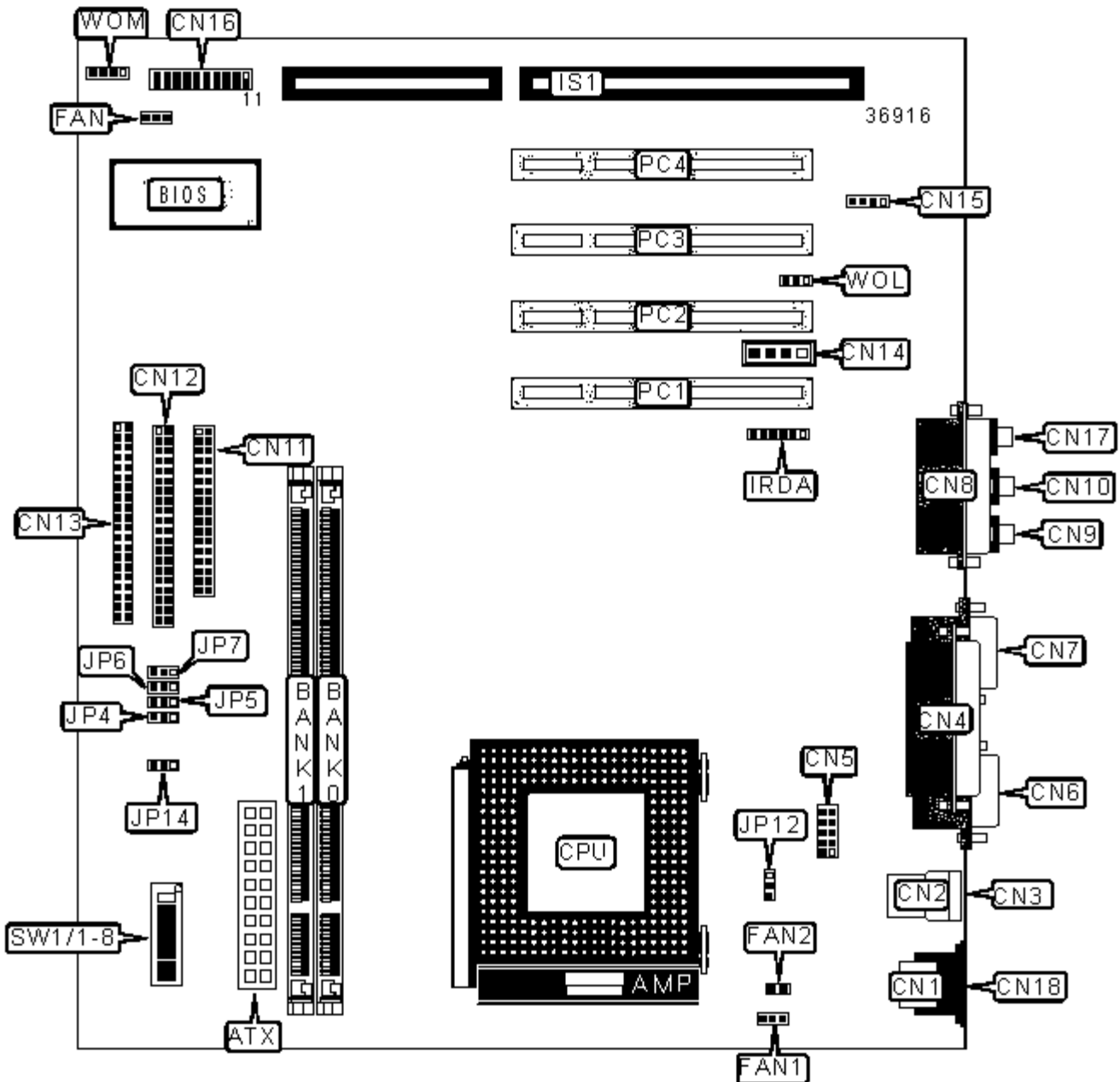


**ACER, INC.**

**MX59PRO**

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/CX 6X86L/CX 6X86MX/AM K5/AM K6/AM K6-2/AM K6-III/IDT C6/Pentium/Pentium MMX
<b>Processor Speed</b>	100/133/150/166/200/233/266/300/333/350/366/380/ 400/433/450/475MHz
<b>Chip Set</b>	VIA
<b>Maximum Onboard Memory</b>	512MB (SDRAM supported)
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 245mm
<b>I/O Options</b>	16-bit ISA slot, 32-bit PCI slots (4), floppy drive interface, game port, IDE interfaces (2), parallel port, PS/2 mouse port, keyboard port, serial port, serial interface, VGA port, IR connector, USB ports (2), ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (2), Wake-on-LAN connector, Wake-on-modem connector



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Keyock	CN16/Pins 1 & 2
PS/2 mouse port	CN1	IDE interface LED	CN16/Pins 3-6
USB port 1	CN2	Speaker	CN16/Pins 7-10
USB port 2	CN3	Power switch	CN16/Pins 11 & 12
Parallel port	CN4	ACPI & power LED	CN16/Pins 13-15
Serial interface	CN5	Reset switch	CN16/Pins 19 & 20
Serial port	CN6	Microphone in	CN17
VGA port	CN7	Keyboard port	CN18
Game port	CN8	Chassis fan power	FAN
Line out	CN9	CPU fan power	FAN1
Line in	CN10	CPU fan power	FAN2
Floppy drive interface	CN11	IR connector	IRDA
IDE interface 2	CN12	16-bit ISA slot	IS1
IDE interface 1	CN13	32-bit PCI slots	PC1 - PC4
Audio in - CD-ROM	CN14	Wake-on-LAN connector	WOL
Mono in/Mic out connector	CN15	Wake-on-modem connector	WOM

## USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CPU voltage selection 3.32V	JP12	Pins 1 & 2 closed
	CPU voltage selection 3.45V	JP12	Pins 2 & 3 closed
»	CMOS memory normal operation	JP14	Pins 1 & 2 closed
	CMOS memory clear	JP14	Pins 2 & 3 closed

## DIMM CONFIGURATION

Size	Bank 0	Bank 1
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
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board supports SDRAM memory.

#### CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
166MHz	66MHz	2x	On	Off	Off
200MHz	75MHz	2x	On	Off	Off

#### CPU SPEED SELECTION (CX 6X86 CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

#### CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
166MHz	66MHz	2x	On	Off	Off

200MHz	75MHz	2x	On	Off	Off
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### CPU SPEED SELECTION (CX 6X86L CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

### CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
200MHz	66MHz	2.5x	On	On	Off
200MHz	75MHz	2x	On	Off	Off
233MHz	66MHz	3x	Off	On	Off
233MHz	83.3MHz	2x	On	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off
300MHz	66MHz	3.5x	Off	Off	Off
300MHz	75MHz	3x	Off	On	Off
333MHz	66MHz	4x	On	Off	On
333MHz	75MHz	3.5x	Off	Off	Off
333MHz	83.3MHz	3x	Off	On	Off
333MHz	100MHz	2.5x	On	On	Off
366MHz	100MHz	2.5x	On	On	Off

### CPU SPEED SELECTION (CX 6X86MX CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	83.3MHz	2x	1 & 2	2 & 3	1 & 2	1 & 2

266MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
300MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
300MHz	75MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2
333MHz	66MHz	4x	1 & 2	2 & 3	2 & 3	1 & 2
333MHz	75MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2
333MHz	83.3MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
333MHz	100MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3
366MHz	100MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3

Note: Designated pins should be in the closed position.

#### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off
166MHz	66MHz	1.75x	On	On	Off

#### CPU SPEED SELECTION (AM K5 CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2
133MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

#### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off
266MHz	66MHz	4x	On	Off	On

300MHz	66MHz	4.5x	On	On	On
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### CPU SPEED SELECTION (AM K6 CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2
266MHz	66MHz	4x	1 & 2	2 & 3	2 & 3	1 & 2
300MHz	66MHz	4.5x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

### CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3
300MHz	100MHz	3x	Off	On	Off
333MHz	95MHz	3.5x	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off
366MHz	66MHz	5.5x	Off	Off	On
380MHz	95MHz	4x	On	Off	On
400MHz	100MHz	4x	On	Off	On
450MHz	100MHz	4.5x	On	On	On
475MHz	95MHz	5x	Off	On	On

### CPU SPEED SELECTION (AM K6-2 CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
300MHz	100MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2
333MHz	95MHz	3.5x	2 & 3	1 & 2	1 & 2	1 & 2
350MHz	100MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2
366MHz	66MHz	5.5x	1 & 2	2 & 3	2 & 3	1 & 2
380MHz	95MHz	4x	2 & 3	1 & 2	1 & 2	1 & 2

400MHz	100MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
450MHz	100MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3
475MHz	95MHz	5x	2 & 3	1 & 2	1 & 2	1 & 2

Note: Designated pins should be in the closed position.

CPU SPEED SELECTION (AM K6-III)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	
400MHz	100MHz	4x	On	Off	On	
450MHz	100MHz	4.5x	On	On	On	

CPU SPEED SELECTION (AM K6-III CONT)						
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
400MHz	100MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
450MHz	100MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3

Note: Designated pins should be in the closed position.

CPU SPEED SELECTION (IDT C6)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	
150MHz	75MHz	2x	On	Off	Off	
200MHz	66MHz	3x	Off	On	Off	

CPU SPEED SELECTION (IDT C6 CONT)						
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
150MHz	75MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

CPU SPEED SELECTION (PENTIUM)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	

100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off
166MHz	66MHz	2.5X	On	On	Off
200MHz	66MHz	3X	Off	On	Off

#### CPU SPEED SELECTION (PENTIUM CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5X	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3X	1 & 2	2 & 3	2 & 3	1 & 2

Note: Designated pins should be in the closed position.

#### CPU SPEED SELECTION (PENTIUM MMX)

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

#### CPU SPEED SELECTION (PENTIUM MMX CONT)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7
166MHz	66MHz	2.5X	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3X	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2

Note: Designated pins 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

<b>CPU VOLTAGE SELECTION (DUAL)</b>					
<b>Voltage</b>	<b>SW1/4</b>	<b>SW1/5</b>	<b>SW1/6</b>	<b>SW1/7</b>	<b>SW1/8</b>
2.2V	Off	On	Off	Off	Off
2.4V	Off	Off	On	Off	Off
2.8V	Off	Off	Off	On	Off
2.9V	On	Off	Off	On	Off
3.2V	Off	Off	On	On	Off