M54Si System board (Diablo).

- **Processor:**
    - Single ZIF socket for Intel P54C CPUs.
    - 75, 90, 100, 120, 133 MHz upgrade processors supported.
    - Standard and VRE voltages supported.

- **Expansion:**
    - Two 32-bit PCI slots; Five 16-bit ISA slots; One shared PCI/ISA slot.

- **Chipset:**
    - VLSI 590P PCI chipset.
    - SMC 665 Super I/O chip.

- **Memory (parity and non-parity):**
    - Four 32/36-bit 72-pin SIMM sockets.
    - Supports 1M x 36 (4MB), 2M x 36 (8MB), 4M x 36 (16MB), and 8M x 36 (32MB).
    - Maximum memory is 128MB.

- **Cache:**
    - 16K CPU level 1 write back cache.
    - 0/256/512K Asynchronous level 2 cache.

- **PCI IDE:**
    - Mode 3 IDE connector using the CMD 640B controller.

- **ISA IDE:**
    - Secondary ISA IDE connector using the SMC 655.

- **Floppy:**
    - Supports 360K, 1.2, 1.44, 2.88MB floppy drives.

- **Serial / Parallel ports:**
    - Two on-board 16550 compatible serial ports.
    - One on-board parallel port with ECP and EPP support.

- **BIOS:**
    - Phoenix 4.04 BIOS on 1MB Flash chip.

- **Keyboard:**
    - Standard AT style DIN keyboard connector.
    - Optional PS/2 style keyboard and mouse connectors.

- **Form factor:**
    - Baby AT footprint (8.5" x 13")

M54Si Jumper Settings

CPU speed:

CPU Speed	75MHz	90MHz	100MHz	120MHz	133MHz
Bus Speed	50MHz	60MHz	66MHz	60MHz	66MHz
W3	closed	closed	open	closed	open
W4	closed	open	closed	open	closed
W5	open	closed	open	closed	open
W38	open	open	closed	closed	closed

CPU speed ratio:

Jumper	Function	Setting
W2	2/3 (1.5x) Clock (75/90/100MHz) (default) ½ (2.0x) Clock (120/133MHz)	open closed

Cache type:

Jumper	Function	Asynchronous
W1	Write-back (default) Write-through	open closed

Cache Size Selection:

	256K	512K
W6	1-2	2-3
W7	1-2	2-3
W8	1-2	2-3

Video Selection:

Jumper	Function	Setting
W20	Color (default) Mono	closed open

PS/2 Mouse Selection:

Jumper	Function	Setting
W21	PS/2 mouse not installed (default) PS/2 mouse installed	open closed

M54Si Jumper Settings:

IDE IRQ Selection:

Primary IDE Interrupt	Secondary IDE Interrupt	**W24**	**W29**
none	none	open	open
none	IRQ15	2-3	open
IRQ14	none	open	1-2
IRQ14 (default)	IRQ15	2-3	1-2

ISA IDE DMA Channel Selection:

	None (default)	DMA6	DMA7
W25	open	1-2	2-3
W26	open	1-2	2-3

Parallel Port DMA Channel Selection

	None (default)	DMA1	DMA3
W22	open	1-2	2-3
W23	open	1-2	2-3

BIOS Operation Selection:

Jumper	Function	Setting
W10	Flash BIOS write-protected (default) Flash BIOS programmable	open closed

BIOS Reset Jumper:

Jumper	Function	Setting
W17	Normal operation (default) Clear CMOS RAM settings	1-2 2-3

Reserved Jumper Settings:

Jumper	Function	Setting
W9	Reserved	2-3
W31	Reserved	1-2
W32	Reserved	1-2
W33	Reserved	1-2
W34	Reserved	1-2
W35	Reserved	2-3

M54Si board layout:

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