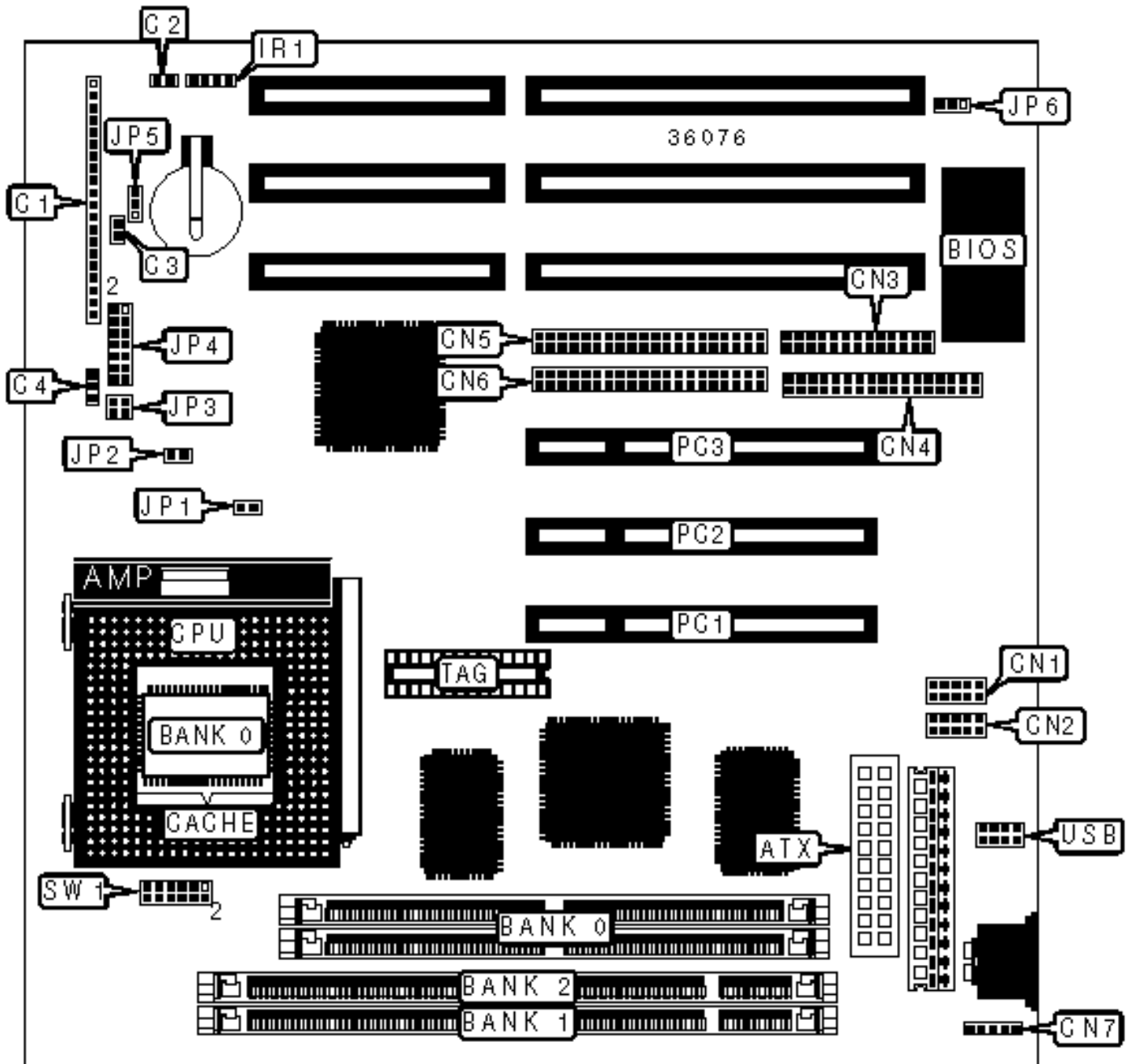


TOTEM TECHNOLOGY CO., LTD.

TM-586VA

Configuration



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Reset switch	C1/pins 12 & 13
Serial port 1	CN1	Turbo LED	C1/pins 15 & 16
Serial port 2	CN2	Turbo switch	C1/pins 18 & 19
Parallel port	CN3	IDE interface LED	C1/pins 20 & 21
Floppy drive interface	CN4	Green PC connector	C2
IDE interface 2	CN5	Soft off power supply	C3
IDE interface 1	CN6	Chassis fan power	C4
PS/2 mouse interface	CN7	IR connector	IR1
Power LED & keylock	C1/pins 1 – 5	32-bit PCI slots	PC1 – PC3
Speaker	C1/pins 7 - 10	USB connector	USB

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» Factory configured - do not alter	JP3	Unidentified
» CMOS memory normal operation	JP5	Pins 1 & 2 closed
» CMOS memory clear	JP5	Pins 2 & 3 closed
» Factory configured - do not alter	JP6	Unidentified

## 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
512MB	(2) 64M x 36
Note: Board accepts EDO memory.	

<b>DIMM CONFIGURATION</b>		
Size	Bank 1	Bank 2
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

<b>DIMM CONFIGURATION</b>		
Size	Bank 1	Bank 2
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
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board accepts SDRAM memory.		

<b>CACHE CONFIGURATION</b>		
Size	Bank 0	TAG
512KB	(1) 64K x 64	Unidentified

<b>CPU SPEED SELECTION (CX 6X86)</b>								
CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW3/ pins 5 & 6	SW4/ pins 7 & 8	SW5/ pins 9 & 10	SW6/ pins 11 & 12
120MHz	50MHz	2x	Open	Open	Closed	Closed	Closed	Closed
133MHz	55MHz	2x	Open	Open	Closed	Open	Closed	Closed
150MHz	60MHz	2x	Open	Open	Closed	Open	Closed	Closed
166MHz	66MHz	2x	Open	Open	Closed	Closed	Open	Closed
200MHz	75MHz	2x	Open	Open	Closed	Open	Closed	Open

<b>CPU SPEED SELECTION (CX 6X86MX)</b>
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CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
166MHz	60MHz	2.5x	Open	Closed	Closed	Open	Closed	Closed
200MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Open	Closed
233MHz	66MHz	3x	Open	Closed	Open	Closed	Open	Closed
266MHz	66MHz	3.5x	Open	Open	Open	Closed	Open	Closed

### CPU SPEED SELECTION (AM 5K86)

CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
75MHz	50MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Open	Open	Closed	Closed

### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
75MHz	50MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Open	Open	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Open	Closed	Open	Closed
120MHz	60MHz	1.5x	Open	Open	Open	Open	Closed	Closed
133MHz	66MHz	1.5x	Open	Open	Open	Closed	Open	Closed
166MHz	66MHz	1.75x	Open	Closed	Closed	Closed	Open	Closed

### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Open	Closed
200MHz	66MHz	3x	Open	Closed	Open	Closed	Open	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Closed	Open	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

300MHz	66MHz	4.5x	Closed	Closed	Closed	Closed	Open	Closed
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### CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
75MHz	50MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Open	Open	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Open	Closed	Open	Closed
120MHz	60MHz	2x	Open	Open	Closed	Open	Closed	Closed
133MHz	66MHz	2x	Open	Open	Closed	Closed	Open	Closed
150MHz	60MHz	2.5x	Open	Closed	Closed	Open	Closed	Closed

### CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW1/ pins 1 & 2	SW2/ pins 3 & 4	SW4/ pins 5 & 6	SW6/ pins 7 & 8	SW8/ pins 9 & 10	SW11/ pins 11 & 12
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed	Open	Closed
200MHz	66MHz	3x	Open	Closed	Open	Closed	Open	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Closed	Open	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

### CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP1	JP2	JP4
3.38v	Closed	Open	Pins 3 & 4 closed
3.52v	Closed	Open	Pins 1 & 2 closed

### CPU VOLTAGE SELECTION (DUAL)

Voltage	JP1	JP2	JP4
2.2v	Open	Closed	Pins 13 & 14 closed

2.8v	Open	Closed	Pins 9 & 10 closed
2.9v	Open	Closed	Pins 7 & 8 closed
3.2v	Open	Closed	Pins 5 & 6 closed