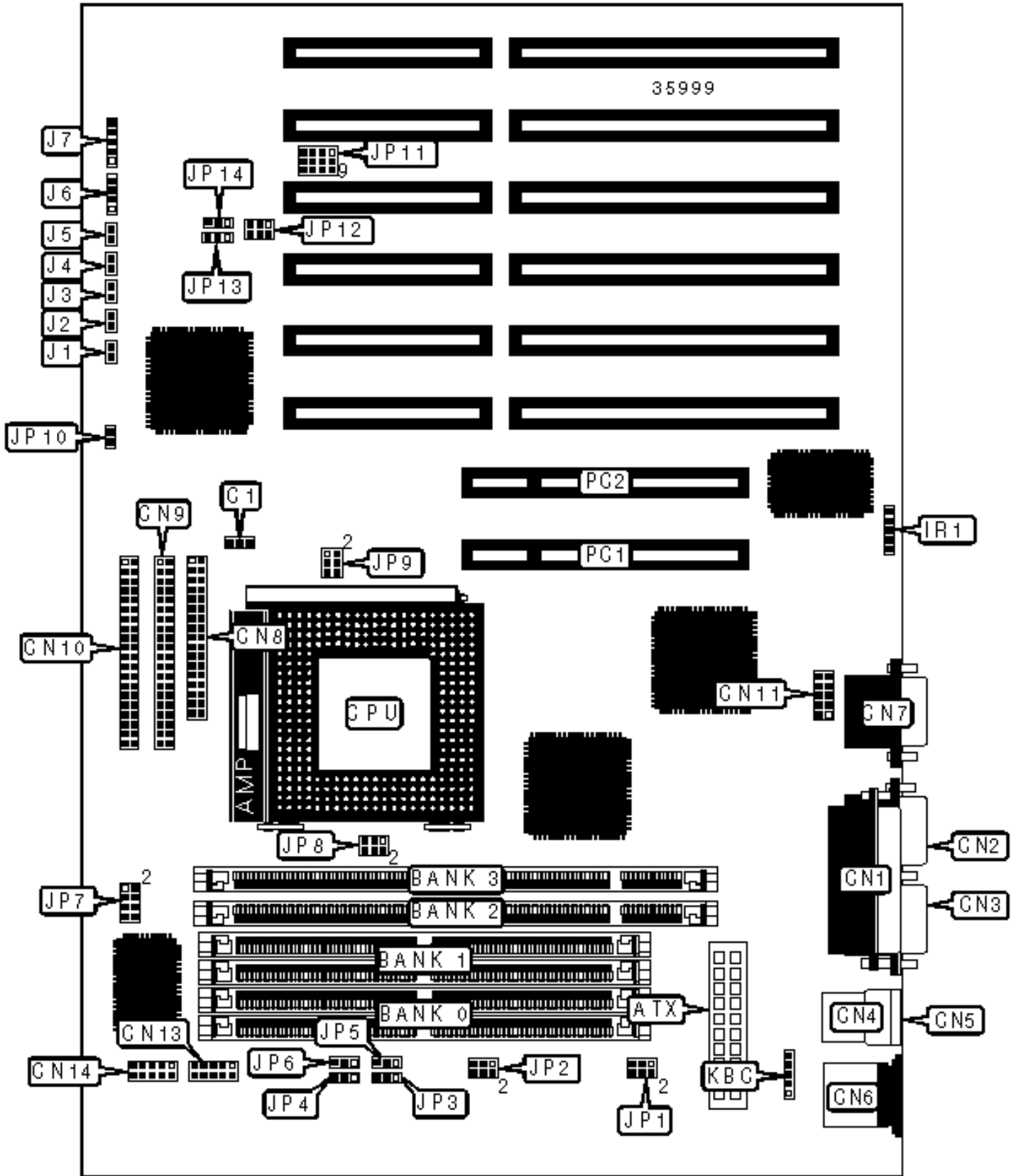


LANNER ELECTRONICS, INC.

TF-586VM

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Serial port 4	CN13
CPU fan power	C1	Serial port 3	CN14
Parallel port	CN1	IR connector	IR1
Serial port 2	CN2	IDE interface LED	J1
Serial port 1	CN3	Green PC LED	J2
USB connector 1	CN4	Soft off power supply	J3
USB connector 2	CN5	Green PC connector	J4
PS/2 mouse port	CN6	Reset switch	J5
VGA port	CN7	Speaker	J6
Floppy drive interface	CN8	Power LED & keylock	J7
IDE interface 2	CN9	Auxiliary keyboard connector	KBC
IDE interface 1	CN10	32-bit PCI slots	PC1 – PC2
VGA interface	CN11		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Factory configured - do not alter	JP1	Unidentified
» Factory configured - do not alter	JP10	Unidentified
» CMOS memory normal operation	JP13	Pins 1 & 2 closed
CMOS memory clear	JP13	Pins 2 & 3 closed

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
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

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
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

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	JP8	JP9
120MHz	50MHz	2x	1 & 2	1 & 2, 3 & 4, 5 & 6
150MHz	60MHz	2x	1 & 2	1 & 2

166MHz	66MHz	2x	1 & 2	Open
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Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP8	JP9
200MHz	60MHz	3x	3 & 4	1 & 2
200MHz	66MHz	2.5x	1 & 2, 3 & 4	Open
233MHz	66MHz	3x	3 & 4	Open
233MHz	75MHz	2.5x	1 & 2, 3 & 4	3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP8	JP9
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	Open
166MHz	66MHz	2.5x	1 & 2, 3 & 4	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP8	JP9
166MHz	66MHz	2.5x	1 & 2, 3 & 4	Open
200MHz	66MHz	3x	3 & 4	Open
233MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP8	JP9
75MHz	50MHz	1.5x	Open	1 & 2, 3 & 4, 5 & 6
90MHz	60MHz	1.5x	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	Open
150MHz	60MHz	2.5x	1 & 2, 3 & 4	1 & 2
166MHz	66MHz	2.5x	1 & 2, 3 & 4	Open
200MHz	66MHz	3x	3 & 4	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP8	JP9
166MHz	66MHz	2.5x	1 & 2, 3 & 4	Open
200MHz	66MHz	3x	3 & 4	Open
233MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage		JP7
	1.24v	Open
	2.1v	Pins 1 & 2 closed
	2.2v	Pins 3 & 4 closed

	2.3v	Pins 1 & 2, 3 & 4 closed
	2.4v	Pins 5 & 6 closed
	2.5v	Pins 1 & 2, 5 & 6 closed
	2.6v	Pins 3 & 4, 5 & 6 closed
	2.7v	Pins 1 & 2, 3 & 4, 5 & 6 closed
»	2.8v	Pins 7 & 8 closed
	2.9v	Pins 1 & 2, 7 & 8 closed
	3.0v	Pins 3 & 4, 7 & 8 closed
	3.1v	Pins 1 & 2, 3 & 4, 7 & 8 closed
	3.2v	Pins 5 & 6, 7 & 8 closed
	3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
	3.4v	Pins 3 & 4, 5 & 6, 7 & 8 closed
	3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

SERIAL PORT 4 SELECTION

Setting	JP2	JP3	JP4	JP5	JP6
» RS-232	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
RS-422	3 & 4	2 & 3	2 & 3	2 & 3	2 & 3
RS-485	5 & 6	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

WATCHDOG TIME OUT SELECTION

Seconds	JP2
.5	Pins 1 & 5 closed
1	Pins 2 & 6 closed
2	Pins 3 & 7 closed

4	Pins 4 & 8 closed
8	Pins 8 & 12 closed
16	Pins 7 & 11 closed
32	Pins 6 & 10 closed
64	Pins 5 & 9 closed

WATCHDOG SELECTION

Setting		JP14
»	Reset	Pins 1 & 2 closed
	NMI system	Pins 2 & 3 closed
	Disabled	Open

DISK ON CHIP ADDRESS SELECTION

Address		JP12
	C8000	Pins 1 & 2 closed
	D0000	Pins 3 & 4 closed
	D8000	Pins 5 & 6 closed
»	Disabled	Pins 2 & 4 closed