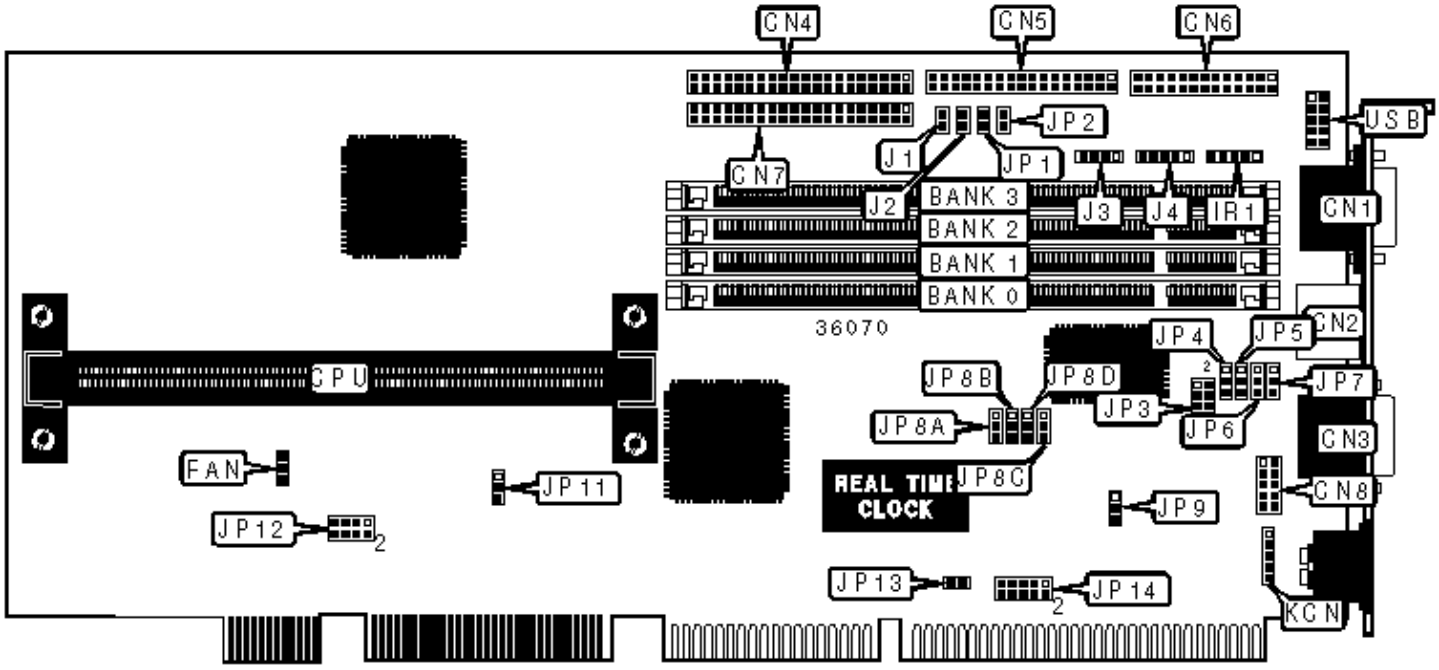
LANNER ELECTRONICS, INC.

AP-686VF

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
VGA port	CN1	Chassis fan power	FAN
PS/2 mouse port	CN2	IR connector	IR1
Serial port 1	CN3	IDE interface LED	J1
IDE interface 1	CN4	Reset switch	J2
Floppy drive interface	CN5	Speaker	J3
Parallel port	CN6	Power LED & keylock	J4
IDE interface 2	CN7	Auxiliary keyboard connector	KCN
Serial port 2	CN8	USB connector	USB

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	AGP INTA enabled	JP1	Closed
	AGP INTA disabled	JP1	Open
»	Factory configured - do not alter	JP2	Unidentified
»	CMOS memory normal operation	JP13	Open
	CMOS memory clear	JP13	Closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None

32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64

272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.				

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION

Speed	JP11
Auto detect	Pins 2 & 3 closed
66MHz	Pins 1 & 2 closed
100MHz	Open

CPU MULTIPLIER SELECTION

Multiplier	JP12/pins 1 & 2	JP12/pins 3 & 4	JP12/pins 5 & 6	JP12/pins 7 & 8
2.5x	Closed	Closed	Open	Closed
3x	Closed	Open	Closed	Closed
3.5x	Closed	Open	Open	Closed
4x	Open	Closed	Closed	Closed
4.5x	Open	Closed	Open	Closed

5x	Open	Open	Closed	Closed
5.5x	Open	Open	Open	Closed
6x	Closed	Closed	Closed	Open
6.5x	Closed	Closed	Open	Open
7x	Closed	Open	Closed	Open
7.5x	Closed	Open	Open	Open
8x	Open	Closed	Closed	Open

SERIAL PORT 2 SELECTION

	Setting	JP3	JP4	JP5	JP6	JP7
»	RS-232	5 & 6	1 & 2	1 & 2	1 & 2	1 & 2
	RS-422	3 & 4	2 & 3	2 & 3	2 & 3	2 & 3
	RS-485	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

WATCHDOG TIME OUT SELECTION

	Seconds	JP8A	JP8B	JP8C	JP8D
	.5	Pins 1 & 2 closed	Open	Open	Open
	1	Open	Pins 1 & 2 closed	Open	Open
	2	Open	Open	Pins 1 & 2 closed	Open
»	4	Open	Open	Open	Pins 1 & 2 closed
	8	Open	Open	Open	Pins 2 & 3 closed
	16	Open	Open	Pins 2 & 3 closed	Open
	32	Open	Pins 2 & 3 closed	Open	Open
	64	Pins 2 & 3 closed	Open	Open	Open

WATCHDOG SELECTION		
Setting		JP9
»	Reset system	Pins 2 & 3 closed
	NMI system	Pins 1 & 2 closed
	Disabled	Open

DISK ON CHIP ADDRESS SELECTION					
Address	JP14/ pins 1 & 2	JP14/ pins 3 & 4	JP14/ pins 5 & 6	JP14/ pins 7 & 8	JP14/ pins 9 & 10
C800	Closed	Open	Open	Closed	Open
CC00	Closed	Open	Open	Open	Closed
D000	Open	Closed	Open	Closed	Open
D400	Open	Closed	Open	Open	Closed
D800	Open	Open	Closed	Closed	Open
DC00	Open	Open	Closed	Open	Closed