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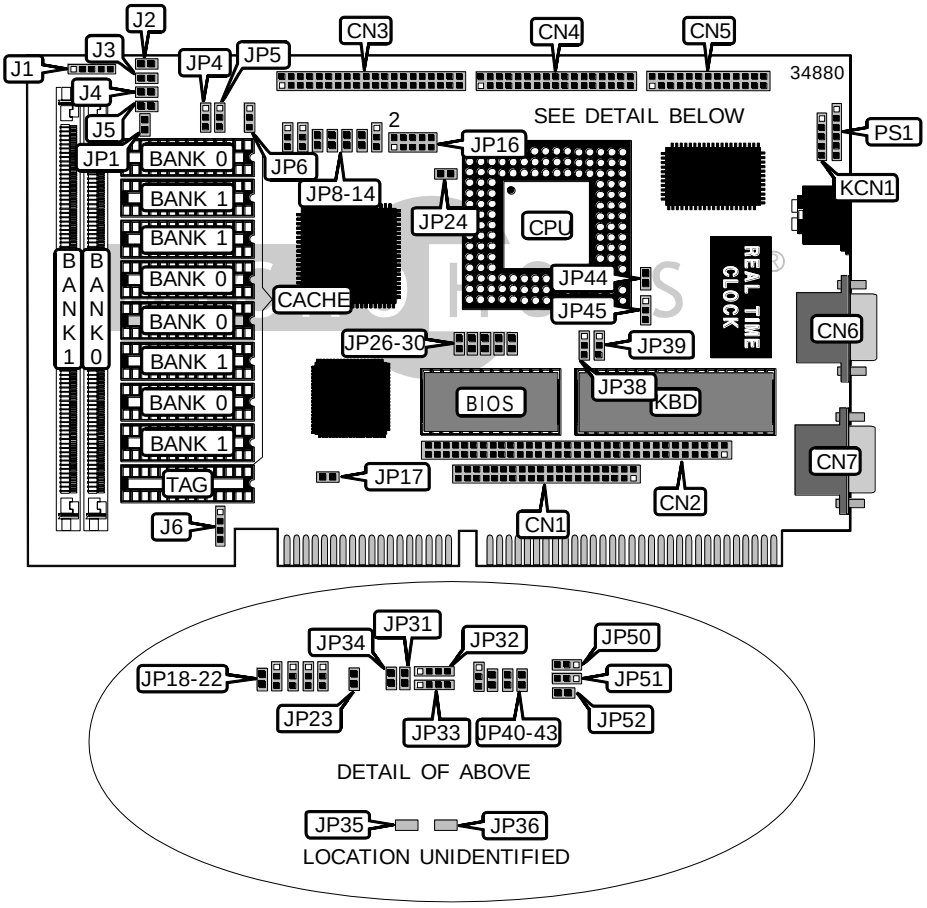
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LANNER ELECTRONICS, INC.
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Device Type	Mainboard
Processor	80486SX/ODP486/80486DX/CX486DX2/AM486DX2/AM486DE2/ 80486DX2/CX486DX4/AM486DX4/80486DX4/P24T/CX 5X86/ AM 5X86
Processor Speed	25/33/40/50(internal)/50/66(internal)/80(internal)/100(internal)/ 120(internal)/150(internal/160(internal)MHz
Chip Set	ALI
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	64/128/256KB
BIOS	AMI
Dimensions	185mm x 122mm
I/O Options	Floppy drive interface, IDE interface, parallel port, serial ports (2), PC/104 connectors (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PC/104 connector (8-bit)	CN1	IDE interface LED	J2
PC/104 connector (16-bit)	CN2	Turbo LED	J3
IDE interface	CN3	Turbo switch	J4
Floppy drive interface	CN4	Reset switch	J5
Parallel port	CN5	Speaker	J6
Serial port 1	CN6	Auxiliary keyboard connector	KCN1
Serial port 2	CN7	Power connector	PS1
Power LED & keylock	J1		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Serial port 1 COM select COM1	JP8	Pins 1 & 2 closed
Serial port 1 COM select COM3	JP8	Pins 2 & 3 closed
í Factory configured - do not alter	JP10	Open
í Serial port 2 COM select COM2	JP14	Pins 1 & 2 closed
Serial port 2 COM select COM4	JP14	Pins 2 & 3 closed
IDE interface enabled	JP18	Open
IDE interface disabled	JP18	Closed
í Factory configured - do not alter	JP20	Pins 1 & 2 closed
í Factory configured - do not alter	JP31	Closed
í Factory configured - do not alter	JP34	Closed
í Factory configured - do not alter	JP35	Open
í Power good from board	JP36	Pins 1 & 2 closed
Power good from power supply	JP36	Pins 2 & 3 closed
í Factory configured - do not alter	JP41	Closed
Floppy drive interface enabled	JP42	Open
Floppy drive interface disabled	JP42	Closed
Serial port 1 enabled	JP43	Open
Serial port 1 disabled	JP43	Closed
Serial port 2 enabled	JP52	Open
Serial port 2 disabled	JP52	Closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
1MB	(1) 256K x 36	None
2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36
18MB	(1) 4M x 36	(1) 512K x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36
33MB	(1) 8M x 36	(1) 256K x 36
34MB	(1) 8M x 36	(1) 512K x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36
64MB	(1) 16M x 36	None
65MB	(1) 16M x 36	(1) 256K x 36
66MB	(1) 16M x 36	(1) 512K x 36
68MB	(1) 16M x 36	(1) 1M x 36
72MB	(1) 16M x 36	(1) 2M x 36
80MB	(1) 16M x 36	(1) 4M x 36
96MB	(1) 16M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36

CACHE CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**TAG**
64KB	(4) 8K x 8	(4) 8K x 8	Unidentified
128KB	(4) 32K x 8	None	Unidentified
256KB	(4) 32K x 8	(4) 32K x 8	Unidentified

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CACHE JUMPER CONFIGURATION				
Size	**JP1**	**JP4**	**JP5**	**JP17**
64KB	Open	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
128KB	Closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Open
256KB	Closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed

CPU SPEED SELECTION					
Speed	**JP6**	**JP9**	**JP11**	**JP12**	**JP13**
25MHz	1 & 2	1 & 2	Open	Open	Closed
33MHz	1 & 2	1 & 2	Closed	Open	Closed
40MHz	2 & 3	2 & 3	Closed	Closed	Open
50iMHz	1 & 2	1 & 2	Open	Open	Closed
50MHz	2 & 3	2 & 3	Open	Open	Closed
66iMHz	1 & 2	1 & 2	Closed	Open	Closed
80iMHz	2 & 3	2 & 3	Closed	Closed	Open
100iMHz	1 & 2	1 & 2	Closed	Open	Closed
120iMHz	2 & 3	2 & 3	Closed	Closed	Open
133iMHz	1 & 2	1 & 2	Closed	Open	Closed
150iMHz	2 & 3	2 & 3	Open	Open	Closed
160iMHz	2 & 3	2 & 3	Closed	Closed	Open
Note: Pins designated should be in the closed position.					

CPU TYPE SELECTION						
Type	**JP19**	**JP21**	**JP22**	**JP23**	**JP24**	**JP30**
80486SX	Open	2 & 3	Open	Open	Open	Open
ODP486	Open	2 & 3	2 & 3	Open	Open	Open
80486DX	Open	2 & 3	Open	Open	Open	Open
CX 486DX2	Open	2 & 3	1 & 2	Closed	Closed	Open
AM486DX2	1 & 2	2 & 3	Open	Open	Open	Open
AM486DE2	1 & 2	2 & 3	Open	Open	Open	Open
AM486DX2 SV8B	2 & 3	2 & 3	2 & 3	Open	Open	Open
80486DX2	Open	2 & 3	Open	Open	Open	Open
CX 486DX4	Open	2 & 3	1 & 2	Closed	Closed	Open
AM486DX4 NV8T	Open	2 & 3	Open	Open	Open	Open
AM486DX4 SV8B	2 & 3	2 & 3	2 & 3	Open	Open	Open
80486DX4	2 & 3	2 & 3	2 & 3	Open	Open	Open
P24T	Open	1 & 2	Open	Open	Open	Closed
CX 5X86	Open	2 & 3	2 & 3	Open	Closed	Open
AM 5X86	2 & 3	2 & 3	2 & 3	Open	Open	Open
Note: Pins designated should be in the closed position.						

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CPU TYPE SELECTION (CON'T)					
Type	**JP32**	**JP33**	**JP40**	**JP44**	**JP45**
80486SX	Open	2 & 3	Open	Open	Open
ODP486	1 & 2, 3 & 4	1 & 2, 3 & 4	1 & 2	Closed	Open
80486DX	Open	1 & 2, 3 & 4	2 & 3	Open	Open
CX 486DX2	2 & 3	1 & 2, 3 & 4	2 & 3	Open	1 & 2
AM486DX2	Open	1 & 2, 3 & 4	2 & 3	Open	Open
AM486DE2	Open	1 & 2, 3 & 4	2 & 3	Open	Open
AM486DX2 SV8B	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	2 & 3
80486DX2	Open	1 & 2, 3 & 4	2 & 3	Open	Open
CX 486DX4	2 & 3	1 & 2, 3 & 4	2 & 3	Open	1 & 2
AM486DX4 NV8T	Open	1 & 2, 3 & 4	2 & 3	Open	Open
AM486DX4 SV8B	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	2 & 3
80486DX4	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	Open
P24T	1 & 2	1 & 2, 3 & 4	1 & 2	Closed	Open
CX 5X86	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	Open
AM 5X86	1 & 2, 3 & 4	1 & 2, 3 & 4	2 & 3	Closed	2 & 3
Note: Pins designated should be in the closed position.					

PARALLEL PORT SELECTION		
Setting	**JP50**	**JP51**
Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed
í SPP	Pins 2 & 3 closed	Pins 1 & 2 closed
EPP	Pins 1 & 2 closed	Pins 2 & 3 closed
ECP	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 2 INTERRUPT SELECTION	
IRQ	**JP16**
3	Pins 3 & 4 closed
10	Pins 5 & 6 closed
11	Pins 6 & 8 closed
12	Pins 9 & 10 closed

SERIAL PORT 1 INTERRUPT SELECTION	
IRQ	**JP16**
4	Pins 1 & 2 closed
10	Pins 5 & 7 closed
11	Pins 7 & 8 closed
12	Pins 7 & 9 closed

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WATCHDOG TIMER SELECTION				
Time out	**JP26**	**JP27**	**JP28**	**JP29**
.5 sec	Closed	Open	Open	Open
1 sec	Open	Closed	Open	Open
2 sec	Open	Open	Closed	Open
4 sec	Open	Open	Open	Closed

WATCHDOG TIMER FUNCTION SELECTION	
Setting	**JP38**
í Active by reset	Pins 1 & 2 closed
Active by NMI	Pins 2 & 3 closed
Disabled	Open

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