ATC/UNITRON COMPUTERS & COMPUTER PARTS
U 6 9 3 1 / G / E / C

Processor	CX486M6/80486SX/80487SX/CX486M7/80486DX/80486DX2/80486DX4/ P24D/P24T
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal/100(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	128MB
Cache	64/128/256/512KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None
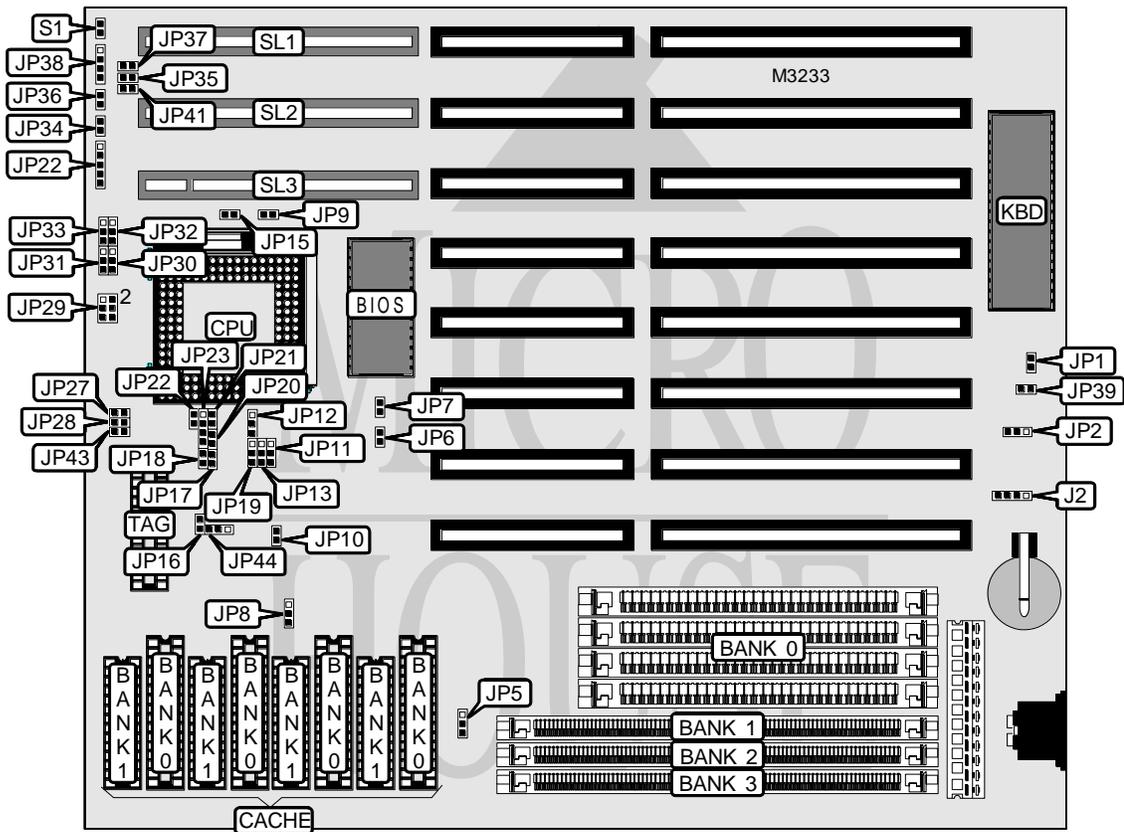
CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Speaker	JP38
Power LED & keylock	JP22	Green PC connector	JP39
Turbo LED	JP34	Reset switch	S1
Turbo switch	JP36	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
Monitor type select monochrome/EGA/VGA	JP1	Open
Monitor type select color/CGA	JP1	Closed
í CMOS memory normal operation	JP2	Pins 2 & 3 closed
CMOS memory clear	JP2	Pins 1 & 2 closed
í Factory configured - do not alter	JP6	Open
í Factory configured - do not alter	JP7	Closed
P24D write back enabled	JP19	Pins 1 & 2 closed
P24D write through enabled	JP19	Pins 2 & 3 closed
CPU type select any CPU except CX486M7 2x	JP22	Open
CPU type select CX486M7 2x only	JP22	Closed
í Factory configured - do not alter	JP31	Pins 2 & 3 closed
í Factory configured - do not alter	JP41	N/A

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(4) 256K x 9	(1) 256K x 36	None	None
2MB	None	(1) 512K x 36	None	None
4MB	(4) 1M x 9	None	None	None
4MB	None	(1) 1M x 36	None	None
8MB	(4) 1M x 9	(1) 1M x 36	None	None
8MB	None	(1) 2M x 36	None	None
16MB	(4) 4M x 9	None	None	None
16MB	None	(1) 4M x 36	None	None
16MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	None	(1) 2M x 36	(1) 2M x 36	None
32MB	(4) 4M x 9	(1) 4M x 36	None	None
32MB	None	(1) 4M x 36	(1) 4M x 36	None
64MB	None	(1) 16M x 36	None	None
64MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
128MB	None	(1) 16M x 36	(1) 16M x 36	None

DRAM JUMPER CONFIGURATION	
Setting	JP5
30-pin SIMM as Bank 0	Pins 2 & 3 closed
72-pin SIMM as Bank 0	Pins 1 & 2 closed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	None	(1) 8K x 8
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
256KB (B)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	(4) 128K x 8	None	(1) 32K x 8

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CACHE JUMPER CONFIGURATION					
Size	JP8	JP27	JP28	JP43	JP44
64KB	2 & 3	Open	Open	Open	1 & 2
128KB	1 & 2	Closed	Open	Open	1 & 2
256KB (A)	2 & 3	Closed	Closed	Open	2 & 3
256KB (B)	2 & 3	Closed	Closed	Open	1 & 2
512KB	1 & 2	Closed	Closed	Closed	1 & 2
Note: Pins designated should be in the closed position.					

CPU TYPE CONFIGURATION							
Type	JP9	JP11	JP12	JP13	JP15	JP23	JP32
CX486M6	Closed	2 & 3	2 & 3	Open	Open	2 & 3	1 & 2
80486SX	Open	1 & 2	Open	Open	Open	2 & 3	Open
80487SX	Open	1 & 2	Open	2 & 3	Open	1 & 2, 3 & 4	Open
CX486M7	Closed	2 & 3	2 & 3	1 & 2	Open	1 & 2, 3 & 4	Open
80486DX	Open	1 & 2	Open	1 & 2	Open	1 & 2, 3 & 4	Open
80486DX2	Open	1 & 2	Open	1 & 2	Open	1 & 2, 3 & 4	Open
P24D	Open	2 & 3	Open	1 & 2	Closed	1 & 2, 3 & 4	2 & 3
80486DX4	N/A	1 & 2	1 & 2	1 & 2	N/A	1 & 2, 3 & 4	Open
P24T	Open	2 & 3	Open	1 & 2	Closed	1 & 2, 3 & 4	2 & 3
Note: Pins designated should be in the closed position. See also JP19 & JP22 in User Configurable.							

CPU TYPE CONFIGURATION				
Type	JP10	JP12	JP20	JP21
Non SL-enhanced	Open	Open	Open	Open
SL-enhanced	Closed	Pins 1 & 2 closed	Closed	Closed

CPU SPEED CONFIGURATION			
Speed	JP16	JP17	JP18
25MHz	Open	Open	Open
33MHz	Open	Closed	Closed
40MHz	Open	Closed	Open
50iMHz	Open	Open	Open
50MHz	Open	Open	Closed
66iMHz	Open	Closed	Closed
75iMHz	Open	Open	Open
100iMHz	Open	Closed	Closed

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	JP30
2x	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed
3x	Open

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CPU VOLTAGE CONFIGURATION	
Voltage	JP29
3.45v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

VL BUS WAIT STATE CONFIGURATION	
Wait states	JP35
0 wait states	Open
1 wait state	Closed

VL BUS SPEED CONFIGURATION		
CPU speed	JP33	JP37
<= 33MHz	Pins 2 & 3 closed	Open
> 33MHz	Pins 1 & 2 closed	Closed