ARTEK COMPUTER SYSTEMS, INC.
OPTI-495 SX CACHE

Processor	80386DX/80486SX/80487SX/80486DX/80486DX2
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	32MB
SRAM Cache	64/128/256KB
BIOS	AMI
Dimensions	235mm x 220mm
I/O Options	None
NPU Options	80387
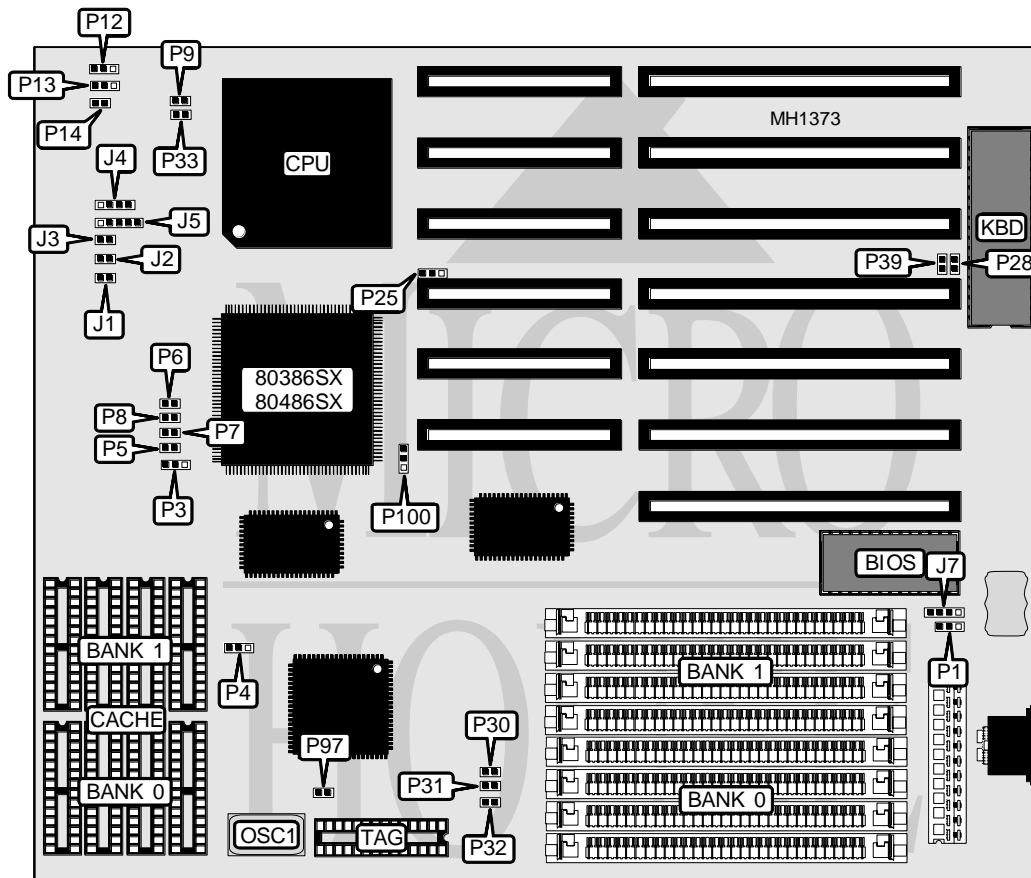
CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	J1	Speaker	J4
Turbo switch	J2	Power LED & keylock	J5
Turbo LED	J3	External battery	J7

ARTEK COMPUTER SYSTEMS, INC.
OPTI-495 SX CACHE

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	P1	pins 2 & 3 closed
CMOS memory clear	P1	pins 1 & 2 closed
í Monitor type select color	P2	closed
Monitor type select monochrome	P2	open
í Factory configured - do not alter	P28	open
í Factory configured - do not alter	P39	open

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 1M x 9	(4) 256K x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 1M x 9	(4) 4M x 9
32MB	(4) 4M x 9	(4) 4M x 9

SRAM CONFIGURATION			
Size	Cache	Location	TAG
64KB	(8) 8K x 8	Banks 0 & 1	(1) 8K x 8
128KB	(4) 32K x 8	Bank 0	(1) 8K x 8
256KB	(8) 32K x 8	Banks 0 & 1	(1) 32K x 8

SRAM JUMPER CONFIGURATION						
Size	P3	P5	P6	P7	P8	P9
64KB	pins 2 & 3 closed	open	open	open	open	open
128KB	pins 1 & 2 closed	closed	closed	closed	closed	closed
256KB	pins 2 & 3 closed	closed	closed	closed	closed	closed

ARTEK COMPUTER SYSTEMS, INC.
OPTI-495 SX CACHE

CPU CONFIGURATION				
CPU	P4	P25	P33	P100
80486 (PGA)	pins 2 & 3 closed	pins 1 & 2 closed	closed	pins 2 & 3 closed
80386 (PQFP)	pins 1 & 2 closed	pins 2 & 3 closed	open	pins 1 & 2 closed

80486 CPU CONFIGURATION			
CPU	P12	P13	P14
80486DX/80486DX2	pins 1 & 2 closed	pins 1 & 2 closed	closed
80487SX	pins 1 & 2 closed	pins 2 & 3 closed	closed
80487SX	pins 2 & 3 closed	pins 2 & 3 closed	open

CPU SPEED CONFIGURATION					
Speed	CPU	P30	P31	P32	P97
66iMHz	80486	closed	open	closed	closed
50MHz	80486	closed	closed	open	closed
50iMHz	80486	open	closed	open	open
40MHz	80386	open	open	closed	closed
33MHz	80486	closed	closed	open	open
33MHz	80386	closed	closed	open	closed
25MHz	80486	closed	open	closed	open