TANDY/RADIO SHACK
425SX, 433SX, 433DX, 450DX2, 466DX2

Processor	80486SX/ODP486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	40MB
Maximum Video Memory	1MB
Cache	64/128/256KB
BIOS	Phoenix
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, riser slot
NPU Options	None
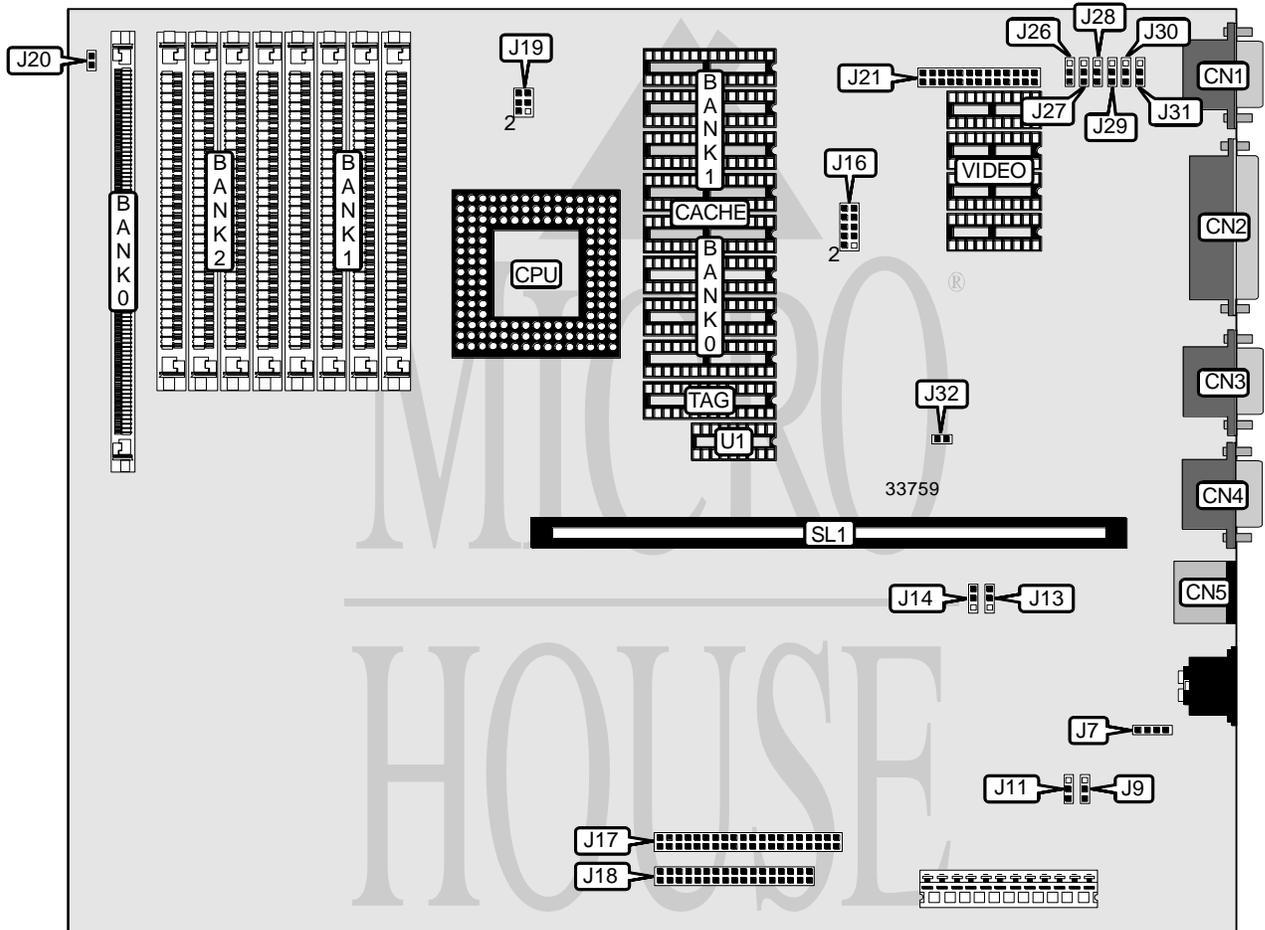
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
VGA port	CN1	External battery	J7
Parallel port	CN2	IDE interface	J17
Serial port 1	CN3	Floppy drive interface	J18
Serial port 2	CN4	VGA feature connector	J21
PS/2 mouse port	CN5	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	J9	Pins 1 & 2 closed
í Factory configured - do not alter	J11	Open
í Factory configured - do not alter	J13	Pins 1 & 2 closed
í Factory configured - do not alter	J14	Pins 2 & 3 closed
í CMOS memory normal operation	J20	Closed
CMOS memory clear	J20	Open
í On board video enabled	J28	Pins 2 & 3 closed
On board video disabled	J28	Pins 1 & 2 closed
í Factory configured - do not alter	J29	Open
í Floppy drive write protect disabled	J30	Pins 2 & 3 closed
Floppy drive write protect enabled	J30	Pins 1 & 2 closed
í Factory configured - do not alter	J31	Pins 2 & 3 closed
í Zero wait state enabled	J32	Closed
Zero wait state disabled	J32	Open

DRAM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
1MB	(1) 256K x 36	None	None
2MB	None	(4) 256K x 9	(4) 256K x 9
2MB	(1) 512K x 36	None	None
4MB	None	(4) 1M x 9	None
4MB	(1) 1M x 36	None	None
5MB	None	(4) 1M x 9	(4) 256K x 9
6MB	(1) 512K x 36	(4) 1M x 9	None
8MB	(1) 1M x 36	(4) 1M x 9	None
8MB	(1) 2M x 36	None	None
8MB	None	(4) 1M x 9	(4) 1M x 9
10MB	(1) 512K x 36	(4) 1M x 9	(4) 1M x 9
12MB	(1) 1M x 36	(4) 1M x 9	(4) 1M x 9
12MB	(1) 2M x 36	(4) 1M x 9	None
16MB	(1) 2M x 36	(4) 1M x 9	(4) 1M x 9
16MB	None	(4) 4M x 9	None

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DRAM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
17MB	None	(4) 4M x 9	(4) 256K x 9
18MB	(1) 512K x 36	(4) 4M x 9	None
20MB	(1) 1M x 36	(4) 4M x 9	None
20MB	None	(4) 4M x 9	(4) 1M x 9
22MB	(1) 512K x 36	(4) 4M x 9	(4) 1M x 9
24MB	(1) 1M x 36	(4) 4M x 9	(4) 1M x 9
24MB	(1) 2M x 36	(4) 4M x 9	None
28MB	(1) 2M x 36	(4) 4M x 9	(4) 1M x 9
32MB	None	(4) 4M x 9	(4) 4M x 9
34MB	(1) 512K x 36	(4) 4M x 9	(4) 4M x 9
36MB	(1) 1M x 36	(4) 4M x 9	(4) 4M x 9
40MB	(1) 2M x 36	(4) 4M x 9	(4) 4M x 9

CACHE CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**TAG**	**U1**
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	(1) 64K x 1
128KB	(4) 32K x 8	None	(1) 8K/32K x 8	(1) 64K x 1
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8	(1) 64K x 1

CACHE JUMPER CONFIGURATION	
Size	**J16**
None	Pins 1 & 2, 3 & 4, 5 & 6, 9 & 10 closed
64KB	Open
128KB	Pins 1 & 2, 5 & 6, 7 & 8 closed
256KB	Pins 1 & 2, 3 & 4, 5 & 6, 9 & 10 closed

VIDEO MEMORY CONFIGURATION		
Size	**Bank 0**	**Bank 1**
512KB	512KB	None
1MB	512KB	512KB
Note: The size of the video memory chips are unidentified.		

CPU SPEED SELECTION		
Speed	**J26**	**J27**
25MHz	Pins 1 & 2 closed	Pins 2 & 3 closed
33MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
50iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed

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CPU TYPE SELECTION	
Type	**J19**
80486SX	Pins 1 & 3, 2 & 4 closed
ODP486SX	Pins 1 & 3, 2 & 4 closed
80487SX	Pins 1 & 3, 2 & 4 closed
80486DX	Pins 3 & 5, 4 & 6 closed
ODP486DX	Pins 3 & 5, 4 & 6 closed
80486DX2	Pins 3 & 5, 4 & 6 closed