TANDY/RADIO SHACK
3100, MMPC MODEL 10/20
SENSATION! (250-1651)

Processor	80486SX/80487SX/ODP486/80486DX2
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	64MB
Maximum Video Memory	1MB
Cache	None
BIOS	Unidentified
Dimensions	254mm 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
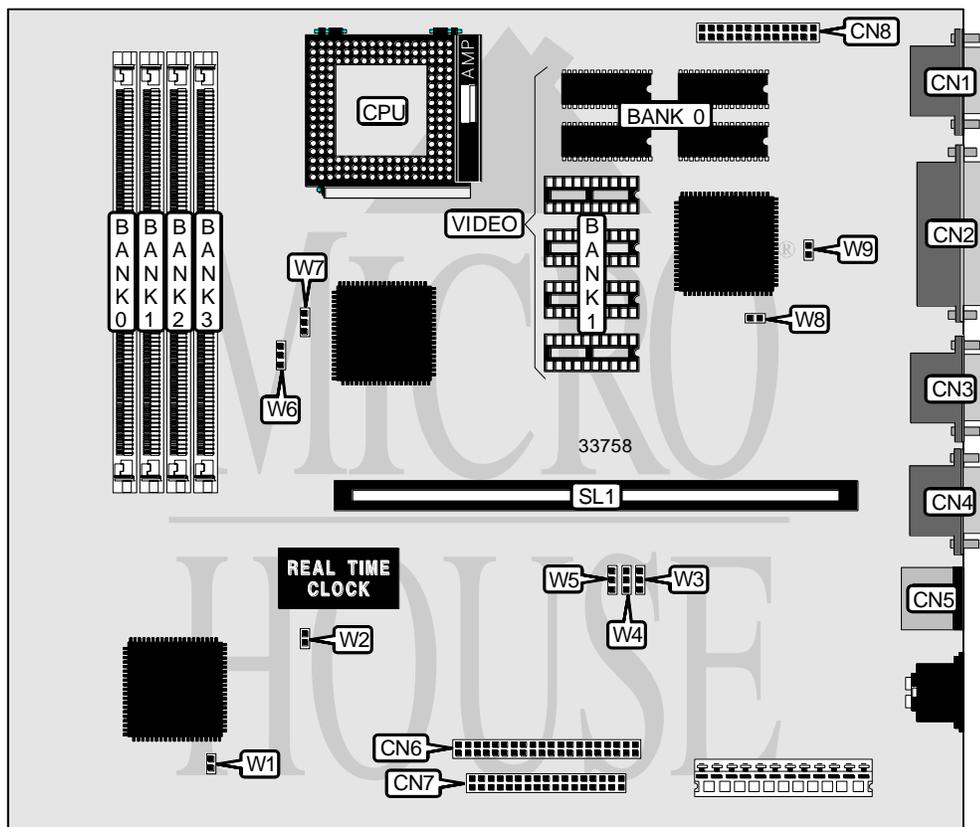
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
VGA port	CN1	IDE interface	CN6
Parallel port	CN2	Floppy drive interface	CN7
Serial port 2	CN3	VGA feature connector	CN8
Serial port 1	CN4	Riser slot	SL1
PS/2 mouse port	CN5	IDE interface LED	W2

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USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Parallel port IRQ select IRQ7	W5	Pins 1 & 2 closed
Parallel port IRQ select IRQ5	W5	Pins 2 & 3 closed
Parallel port IRQ disabled	W5	Open
í On board video enabled	W8	Pins 2 & 3 closed
On board video disabled	W8	Pins 1 & 2 closed
í VGA IRQ disabled	W9	Open
VGA IRQ enabled	W9	Closed

DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
4MB	(1) 1M x 32	None	None	None
5MB	(1) 1M x 32	(1) 256K x 32	None	None
6MB	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32	None
6MB	(1) 1M x 32	(1) 512K x 32	None	None
7MB	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32
7MB	(1) 1M x 32	(1) 512K x 32	(1) 256K x 32	None
8MB	(1) 1M x 32	(1) 512K x 32	(1) 256K x 32	(1) 256K x 32
8MB	(1) 1M x 32	None	(1) 512K x 32	(1) 512K x 32
8MB	(1) 1M x 32	(1) 1M x 32	None	None
8MB	(1) 2M x 32	None	None	None
9MB	(1) 1M x 32	(1) 256K x 32	(1) 512K x 32	(1) 512K x 32
9MB	(1) 1M x 32	(1) 1M x 32	(1) 256K x 32	None
9MB	(1) 2M x 32	(1) 256K x 32	None	None
10MB	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32	(1) 512K x 32
10MB	(1) 1M x 32	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32
10MB	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32	None
10MB	(1) 2M x 32	None	(1) 256K x 32	(1) 256K x 32
10MB	(1) 2M x 32	(1) 512K x 32	None	None
11MB	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32	(1) 256K x 32
11MB	(1) 2M x 32	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32
11MB	(1) 2M x 32	(1) 512K x 32	(1) 256K x 32	None
12MB	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32
12MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32	None
12MB	(1) 2M x 32	(1) 512K x 32	(1) 256K x 32	(1) 256K x 32
12MB	(1) 2M x 32	None	(1) 512K x 32	(1) 512K x 32
12MB	(1) 2M x 32	(1) 1M x 32	None	None
13MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32	(1) 256K x 32
13MB	(1) 2M x 32	(1) 256K x 32	(1) 512K x 32	(1) 512K x 32
13MB	(1) 2M x 32	(1) 1M x 32	(1) 256K x 32	None
14MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32
14MB	(1) 2M x 32	(1) 512K x 32	(1) 512K x 32	(1) 512K x 32
14MB	(1) 2M x 32	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
14MB	(1) 2M x 32	(1) 1M x 32	(1) 512K x 32	None
15MB	(1) 2M x 32	(1) 1M x 32	(1) 512K x 32	(1) 256K x 32
16MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32
16MB	(1) 2M x 32	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32
16MB	(1) 2M x 32	None	(1) 1M x 32	(1) 1M x 32
16MB	(1) 2M x 32	(1) 2M x 32	None	None
16MB	(1) 4M x 32	None	None	None
17MB	(1) 2M x 32	(1) 256K x 32	(1) 1M x 32	(1) 1M x 32
17MB	(1) 2M x 32	(1) 2M x 32	(1) 256K x 32	None
17MB	(1) 4M x 32	(1) 256K x 32	None	None
18MB	(1) 2M x 32	(1) 512K x 32	(1) 1M x 32	(1) 1M x 32
18MB	(1) 2M x 32	(1) 2M x 32	(1) 256K x 32	(1) 256K x 32
18MB	(1) 2M x 32	(1) 2M x 32	(1) 512K x 32	None
18MB	(1) 4M x 32	(1) 256K x 32	(1) 256K x 32	None
18MB	(1) 4M x 32	(1) 512K x 32	None	None
19MB	(1) 2M x 32	(1) 2M x 32	(1) 512K x 32	(1) 256K x 32
19MB	(1) 4M x 32	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32
19MB	(1) 4M x 32	(1) 512K x 32	(1) 256K x 32	None
20MB	(1) 2M x 32	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32
20MB	(1) 2M x 32	(1) 2M x 32	(1) 512K x 32	(1) 512K x 32
20MB	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32	None
20MB	(1) 4M x 32	(1) 512K x 32	(1) 256K x 32	(1) 256K x 32
20MB	(1) 4M x 32	None	(1) 512K x 32	(1) 512K x 32
20MB	(1) 4M x 32	(1) 1M x 32	None	None
21MB	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32	(1) 256K x 32
21MB	(1) 4M x 32	(1) 256K x 32	(1) 512K x 32	(1) 512K x 32
21MB	(1) 4M x 32	(1) 1M x 32	(1) 256K x 32	None
22MB	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32	(1) 512K x 32
22MB	(1) 4M x 32	(1) 512K x 32	(1) 512K x 32	(1) 512K x 32
22MB	(1) 4M x 32	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32
22MB	(1) 4M x 32	(1) 1M x 32	(1) 512K x 32	None
23MB	(1) 4M x 32	(1) 1M x 32	(1) 512K x 32	(1) 256K x 32
24MB	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32	(1) 1M x 32
24MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	None
24MB	(1) 4M x 32	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32
24MB	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32	None
24MB	(1) 4M x 32	(1) 2M x 32	None	None
25MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	(1) 256K x 32
25MB	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32	(1) 256K x 32
25MB	(1) 4M x 32	(1) 2M x 32	(1) 256K x 32	None
26MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	(1) 512K x 32
26MB	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32

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Size	Bank 0	Bank 1	Bank 2	Bank 3
DRAM CONFIGURATION (CON'T)				
26MB	(1) 4M x 32	(1) 2M x 32	(1) 256K x 32	(1) 256K x 32
26MB	(1) 4M x 32	(1) 2M x 32	(1) 512K x 32	None
27MB	(1) 4M x 32	(1) 2M x 32	(1) 512K x 32	(1) 256K x 32
28MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32
28MB	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32
28MB	(1) 4M x 32	(1) 2M x 32	(1) 512K x 32	(1) 512K x 32
28MB	(1) 4M x 32	(1) 2M x 32	(1) 1M x 32	None
29MB	(1) 4M x 32	(1) 2M x 32	(1) 1M x 32	(1) 256K x 32
30MB	(1) 4M x 32	(1) 2M x 32	(1) 1M x 32	(1) 512K x 32
32MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32
32MB	(1) 4M x 32	(1) 2M x 32	(1) 1M x 32	(1) 1M x 32
32MB	(1) 4M x 32	None	(1) 2M x 32	(1) 2M x 32
32MB	(1) 4M x 32	(1) 4M x 32	None	None
33MB	(1) 4M x 32	(1) 256K x 32	(1) 2M x 32	(1) 2M x 32
33MB	(1) 4M x 32	(1) 4M x 32	(1) 256K x 32	None
34MB	(1) 4M x 32	(1) 512K x 32	(1) 2M x 32	(1) 2M x 32
34MB	(1) 4M x 32	(1) 4M x 32	(1) 256K x 32	(1) 256K x 32
34MB	(1) 4M x 32	(1) 4M x 32	(1) 512K x 32	None
35MB	(1) 4M x 32	(1) 4M x 32	(1) 512K x 32	(1) 256K x 32
36MB	(1) 4M x 32	(1) 1M x 32	(1) 2M x 32	(1) 2M x 32
36MB	(1) 4M x 32	(1) 4M x 32	(1) 512K x 32	(1) 512K x 32
36MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32	None
37MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32	(1) 256K x 32
38MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32	(1) 512K x 32
40MB	(1) 4M x 32	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32
40MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32
40MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	None
41MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	(1) 256K x 32
42MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	(1) 512K x 32
44MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	(1) 1M x 32
48MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	(1) 2M x 32
48MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	None
49MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 256K x 32
50MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 512K x 32
52MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32
56MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32
64MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32

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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	**W1**
25MHz	Closed
33MHz	Open
50iMHz	Closed
66iMHz	Open

CPU TYPE SELECTION		
Type	**W6**	**W7**
80486SX	Pins 2 & 3 closed	Pins 1 & 2 closed
80487SX	Pins 1 & 2 closed	Pins 2 & 3 closed
ODP486	Pins 1 & 2 closed	Pins 1 & 2 closed
80486DX	Pins 1 & 2 closed	Pins 1 & 2 closed
80486DX2	Pins 1 & 2 closed	Pins 1 & 2 closed
Note: W7 may not be present on all boards.		

SERIAL PORT 1 ADDRESS SELECTION		
Setting	**IRQ**	**W3**
í COM1/COM3	IRQ4	Pins 1 & 2 closed
COM3	IRQ11	Pins 2 & 3 closed

SERIAL PORT 2 ADDRESS SELECTION		
Setting	**IRQ**	**W4**
í COM2/COM4 (2F8h)	IRQ3	Pins 1 & 2 closed
COM4	IRQ10	Pins 2 & 3 closed