ORCHID TECHNOLOGY
S U P E R B O A R D   4 8 6 / V L B

Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	20/25/33/50(internal)/50/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	32MB
Cache	64/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2)
NPU Options	None
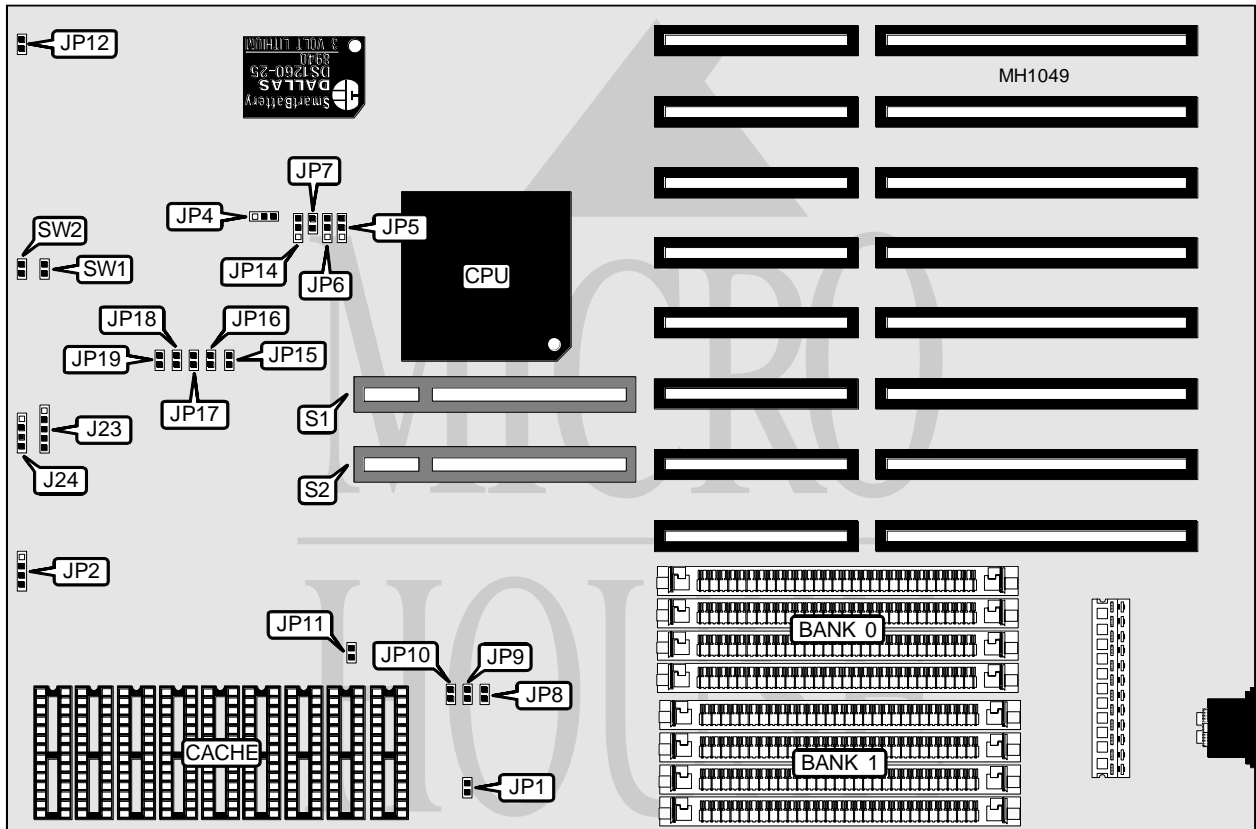
CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J23	32-bit VESA local bus slots	S1 - S2
Speaker	J24	Reset switch	SW1
Turbo LED	JP12	Turbo switch	SW2

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select color	JP1	Open
Monitor type select monochrome	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	JP14	N/A
í Factory configured - do not alter (VESA host select 80486)	JP15	Closed
í Factory configured - do not alter (VESA host select 80486)	JP16	Open
í VESA high speed write wait state select one	JP17	Closed
VESA high speed write wait state select zero	JP17	Open
í CPU speed select > 33MHz	JP18	Closed
CPU speed select ≤ 33MHz	JP18	Open
í Factory configured - do not alter	JP19	Closed

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
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
32MB	(4) 4M x 9	(4) 4M x 9

CPU TYPE CONFIGURATION					
Type	Oscillator	JP4	JP5	JP6	JP7
80486SX-20MHz	20MHz	1 & 2	Open	2 & 3	Open
80486SX-20MHz	40MHz	2 & 3	Open	2 & 3	Open
80486SX-25MHz	25MHz	1 & 2	Open	2 & 3	Open
80486SX-25MHz	50MHz	2 & 3	Open	2 & 3	Open
ODP486SX-25MHz	25MHz	1 & 2	Open	2 & 3	Open
ODP486SX-25MHz	50MHz	2 & 3	Open	2 & 3	Open
80486DX-25MHz	25MHz	1 & 2	2 & 3	1 & 2	Closed
80486DX-33MHz	66MHz	2 & 3	2 & 3	1 & 2	Closed
80486DX-50MHz	50MHz	1 & 2	2 & 3	1 & 2	Closed
80486DX2-50MHz	25MHz	1 & 2	2 & 3	1 & 2	Closed
80486DX2-50MHz	50MHz	2 & 3	2 & 3	1 & 2	Closed
80486DX2-66MHz	66MHz	2 & 3	2 & 3	1 & 2	Closed
Note: Pins designated should be in the closed position.					

CACHE CONFIGURATION	
Size	Bank 0
64KB	(9) 8K x 8
256KB	(9) 32K x 8

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CACHE JUMPER CONFIGURATION				
Size	JP8	JP9	JP10	JP11
64KB	Open	Open	Open	Open
256KB	Closed	Closed	Open	Closed