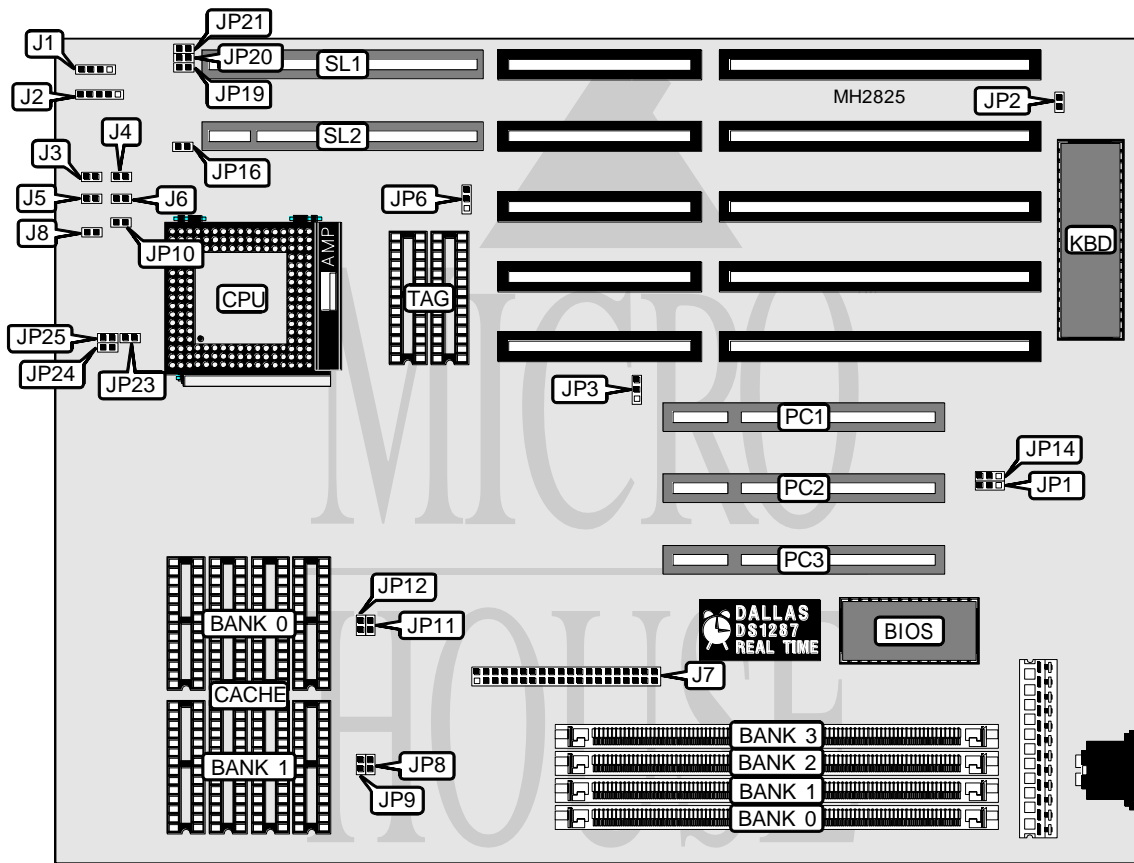


ADVANCED INTEGRATION RESEARCH, INC.

486PH REV. 1.0

Processor	80486SX/CX486DX/AM486DX/80486DX/CX486DX2/AM486DX2/80486DX2/AM486DX4/80486DX4
Processor Speed	25/33/50(internal)/66(internal)/75(internal)/100(internal)MHz
Chip Set	Intel
Max. Onboard DRAM	64MB
Cache	128/256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (3), green PC connector, IDE interface
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	J1	Turbo LED	J6
Power LED & keylock	J2	IDE interface	J7
IDE interface LED	J3	Green PC connector	J8
Turbo switch	J4	32-bit PCI slots	PC1 - PC3
Reset switch	J5	32-bit VESA local bus slots	SL1 & SL2

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP1	pins 1 & 2 closed
CMOS memory clear	JP1	pins 2 & 3 closed
í Monitor type select monochrome/EGA/VGA	JP2	Open
Monitor type select CGA	JP2	Closed
í Factory configured - do not alter	JP3	pins 1 & 2 closed
í Factory configured - do not alter	JP14	pins 1 & 2 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	NONE	NONE	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	(1) 2M x 36	(1) 1M x 36	NONE	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 1M x 36	NONE	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 2M x 36	(1) 4M x 36	NONE	(1) 4M x 36
40MB	(1) 2M x 36	(1) 8M x 36	NONE	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(2) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(2) 32K x 8
256KB	(4) 64K x 8	NONE	(2) 32K x 8
512KB	(4) 128K x 8	NONE	(2) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	JP8	JP9	JP11	JP12
128KB	Closed	Open	Open	Open
256KB	Open	Closed	Closed	Open
256KB	Closed	Open	Closed	Open
512KB	Closed	Open	Closed	Closed

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CPU TYPE CONFIGURATION					
Type	JP10	JP16	JP23	JP24	JP25
80486SX	Closed	Open	Open	2 & 3	1 & 2
CX486DX (3.3v)	Closed	Closed	Closed	1 & 2	2 & 3
CX486DX (5v)	Closed	Open	Closed	1 & 2	2 & 3
AM486DX	Closed	Open	Closed	1 & 2	2 & 3
80486DX	Closed	Open	Open	1 & 2	1 & 2
CX486DX2 (3.3v)	Closed	Closed	Closed	1 & 2	2 & 3
CX486DX2 (5v)	Closed	Open	Closed	1 & 2	2 & 3
AM486DX2	Closed	Open	Open	1 & 2	2 & 3
80486DX2	Closed	Open	Open	1 & 2	1 & 2
AM486DX4	Closed	Open	Closed	1 & 2	2 & 3
80486DX4	Closed	Open	Open	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION				
Speed	JP6	JP19	JP20	JP21
25MHz	pins 2 & 3 closed	Closed	Open	Open
33MHz	pins 1 & 2 closed	Open	Closed	Closed
50iMHz	pins 2 & 3 closed	Closed	Open	Open
66iMHz	pins 1 & 2 closed	Open	Closed	Closed
75iMHz	pins 2 & 3 closed	Closed	Open	Open
100iMHz	pins 1 & 2 closed	Open	Closed	Closed