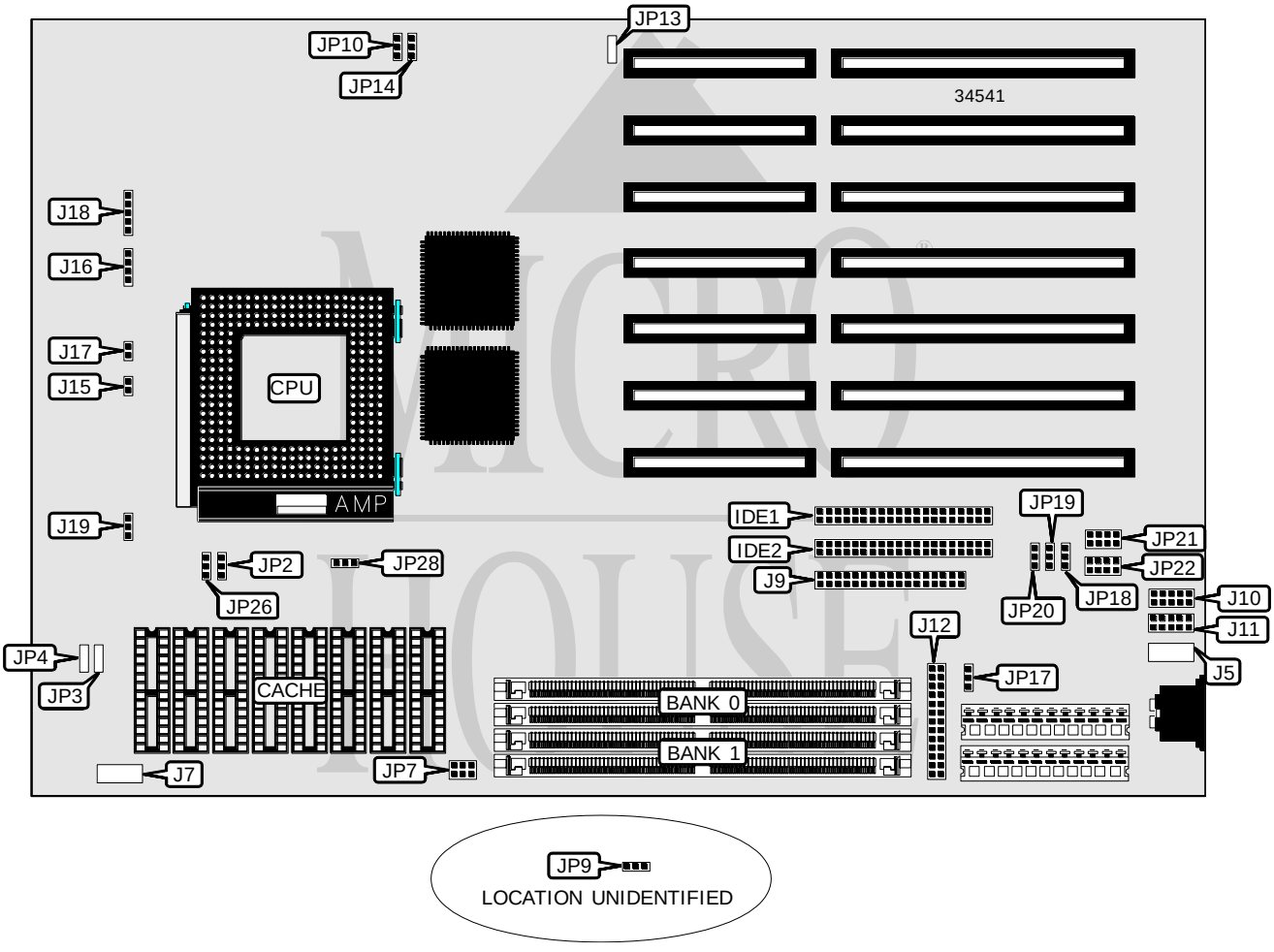
INDUSTRIAL COMPUTER SOURCE
586MBH SERIES

Processor	CX M1/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
IDE interface 1	IDE1	Parallel port	J12
IDE interface 2	IDE2	Reset switch	J15
PS/2 mouse interface	J5	Speaker	J16
Auxiliary keyboard connector	J7	IDE interface LED	J17
Floppy drive interface	J9	Power LED & keylock	J18
Serial port 2	J10	Chassis fan power	J19
Serial port 1	J11	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	JP3	Unidentified
í Factory configured - do not alter	JP4	Unidentified
í CMOS memory normal operation	JP9	Pins 1 & 2 closed
CMOS memory clear	JP9	Pins 2 & 3 closed
í PS/2 mouse IRQ12 disabled	JP10	Pins 1 & 2 closed
PS/2 mouse IRQ12 enabled	JP10	Pins 2 & 3 closed
í Factory configured - do not alter	JP16	Unidentified
í Monitor type select color	JP14	Pins 2 & 3 closed
Monitor type select monochrome	JP14	Pins 1 & 2 closed
í On board I/O enabled	JP17	Pins 1 & 2 closed
On board I/O disabled	JP17	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
2MB	(2) 256K x 36	None
4MB	(2) 512K x 36	None
6MB	(2) 256K x 36	(2) 512K x 36
8MB	(2) 1M x 36	None
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 512K x 36	(2) 1M x 36
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 512K x 36	(2) 2M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
34MB	(2) 4M x 36	(2) 256K x 36

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
36MB	(2) 512K x 36	(2) 4M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 8M x 36	None
66MB	(2) 8M x 36	(2) 256K x 36
68MB	(2) 512K x 36	(2) 8M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 2M x 36	(2) 8M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
Note: Board accepts EDO memory.		

CACHE CONFIGURATION	
Size	**Bank 0**
256KB	(8) 32K x 8
512KB	(8) 64K x 8

CACHE JUMPER CONFIGURATION	
Size	**JP28**
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

CPU SPEED SELECTION (CYRIX)					
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP7**	**JP26**
100MHz	50MHz	2x	2 & 3	5 & 6	1 & 2
120MHz	60MHz	2x	2 & 3	3 & 4	1 & 2
Note: Pins designated should be in the closed position.					

CPU SPEED SELECTION (INTEL)					
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP7**	**JP26**
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 2	3 & 4	1 & 2
100MHz	66MHz	1.5x	1 & 2	5 & 6	1 & 2
100MHz	50MHz	2x	2 & 3	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	3 & 4	1 & 2
133MHz	66MHz	2x	2 & 3	5 & 6	1 & 2
150MHz	60MHz	2.5x	2 & 3	3 & 4	2 & 3
150MHz	50MHz	3x	1 & 2	3 & 4	2 & 3
166MHz	66MHz	2.5x	2 & 3	5 & 6	2 & 3
180MHz	60MHz	3x	1 & 2	3 & 4	2 & 3
200MHz	66MHz	3x	1 & 2	5 & 6	2 & 3
Note: Pins designated should be in the closed position.					

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SERIAL PORT 1 INTERRUPT SELECTION	
IRQ	**JP19**
í IRQ4	Pins 1 & 2 closed
IRQ5	Pins 2 & 3 closed
Disabled	Open

SERIAL PORT 2 INTERRUPT SELECTION	
IRQ	**JP18**
í IRQ3	Pins 1 & 2 closed
IRQ9	Pins 2 & 3 closed
Disabled	Open

PARALLEL PORT INTERRUPT SELECTION	
IRQ	**JP20**
í IRQ7	Pins 1 & 2 closed
IRQ5	Pins 2 & 3 closed
Disabled	Open

DMA CHANNEL SELECTION		
Channel	**JP21**	**JP22**
í Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed
3	Pins 3 & 4 closed	Pins 3 & 4 closed
5	Pins 5 & 6 closed	Pins 5 & 6 closed
6	Pins 7 & 8 closed	Pins 7 & 8 closed