MONOLITHIC SYSTEMS, INC. (COLORADO MSI)
SBC486PE PEISA SINGLE BOARD

Processor	80486SX/80386DX/80486DX2
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	Intel
Max. Onboard DRAM	128MB
Cache	128/256KB (on 32-bit external cache module)
BIOS	AMI
Dimensions	339mm x 127mm
I/O Options	32-bit external cache module slot, PS/2 mouse port, PS/2 keyboard connector
NPU Options	None
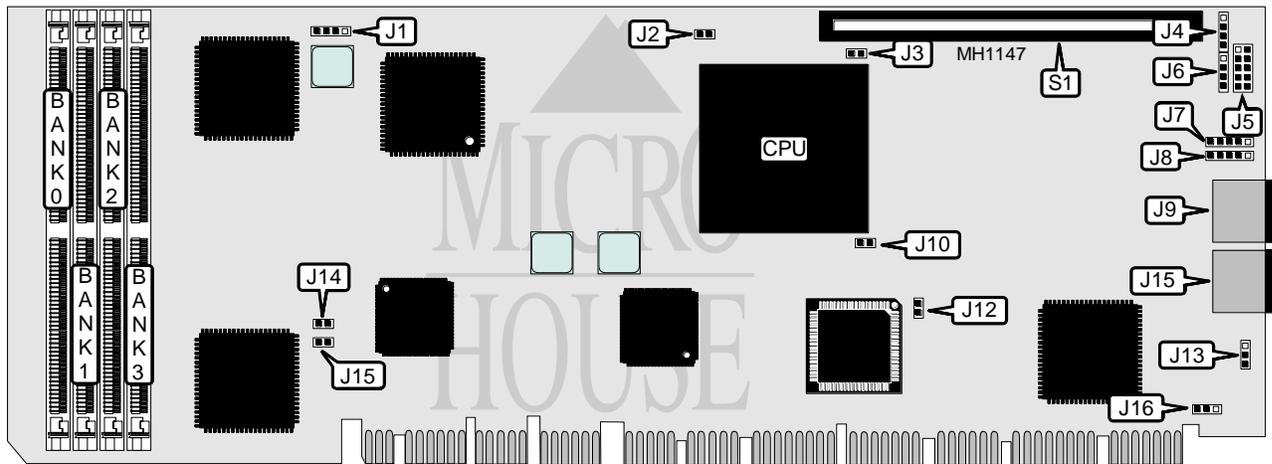
CONNECTIONS			
Purpose	Location	Purpose	Location
IDE interface LED	J1	Power LED & keylock	J7
Reset switch	J2	Auxiliary keyboard	J8
Power LED	J3	PS/2 keyboard	J9
External battery	J4	PS/2 mouse	J11
Front panel switches & LEDs	J5	32-bit external cache module	S1
Speaker	J6		

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S B C 4 8 6 P E   P E I S A   S I N G L E   B O A R D

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	J10	Open
CMOS memory clear	J10	Closed
í Monitor type select color	J12	Closed
Monitor type select monochrome	J12	Open
í Watchdog timer disabled	J13	pins 2 & 3 closed
Watchdog timer enabled	J13	pins 1 & 2 closed
í Factory configured - do not alter	J14	Closed
í Factory configured - do not alter	J14	Closed
í DMA signal select active high	J16	pins 1 & 2 closed
DMA signal select active low	J16	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	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
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	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
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
Note: These are only some of the possible configurations. All modules must be of like capacity.				