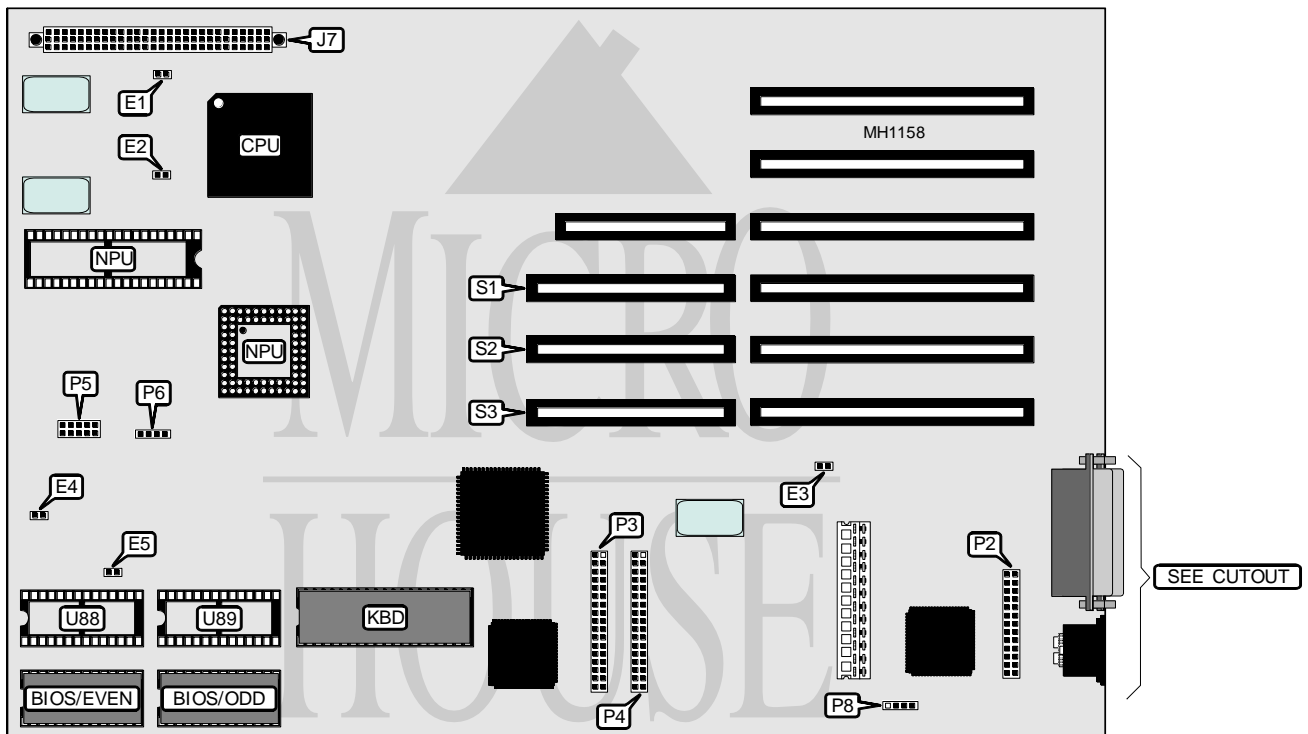


AST RESEARCH, INC. PREMIUM/386

Processor 80386DX
Processor Speed 20MHz
Chip Set AST
Max. Onboard DRAM None
Cache None
BIOS AST
Dimensions 330mm x 218mm
I/O Options 32-bit external memory card slot
 Parallel port
 Serial port (2)
 SMART expansion/16-bit ISA expansion slots (3)
NPU Options 80287/80387

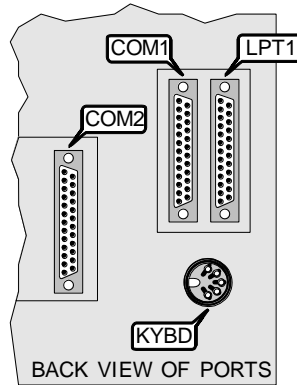


CONNECTIONS			
Purpose	Location	Purpose	Location
32-bit external memory card	J7	Front panel switches & LEDs	P5
SMART expansion or 16-bit ISA	S1, S2 & S3	Speaker	P6
Serial port 2 header	P2	External battery	P8
Floppy drive interface (A: and B:)	P3	Optional ROM (even)	U88
Third floppy drive interface	P4	Optional ROM (odd)	U89

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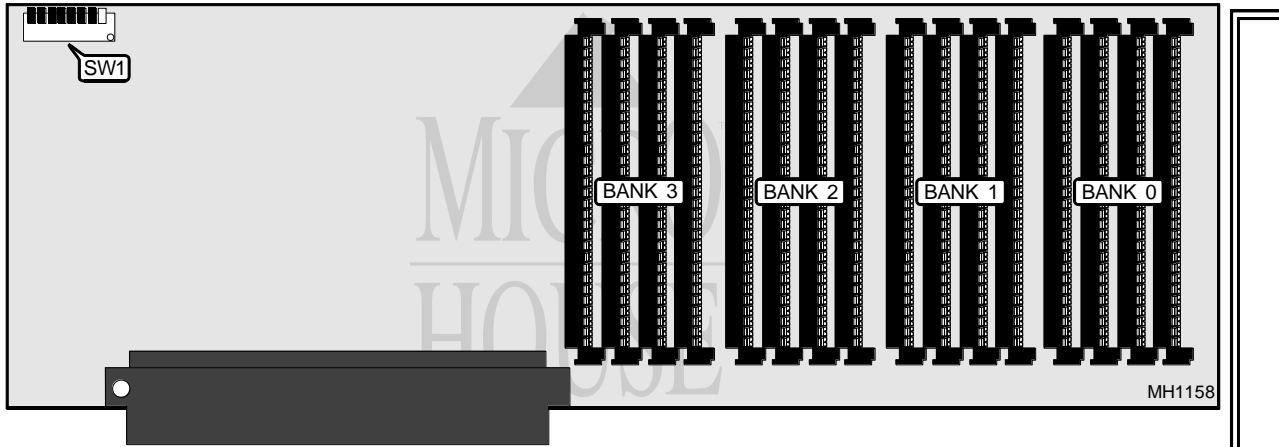
CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	COM1	Parallel port	LPT1
Serial port 2	COM2	Keyboard	KYBD

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	E1	closed
í Factory configured - do not alter	E2	closed
í Factory configured - do not alter	E3	closed
í Factory configured - do not alter	E4	open
í Factory configured - do not alter	E5	closed
í Factory configured - do not alter	E6	open
Note: Jumper E6 may not appear on all board revisions.		

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USER CONFIGURABLE SETTINGS		
Function	Switch SW1	Position
í Parity check enabled	switch 7	closed
Parity check disabled	switch 7	open
í Factory configured - do not alter	switch 8	open

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	NONE	NONE	NONE
2MB	(4) 256K x 9	(4) 256K x 9	NONE	NONE
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
4MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
5MB	(4) 256K x 9	(4) 1M x 9	NONE	NONE
6MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	NONE
7MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9
9MB	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	NONE
10MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9
13MB	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9

Note: Bank 0 must be populated with 256KB SIMMs.

DRAM SWITCH CONFIGURATION						
Size	SW1/switch 1	SW1/switch 2	SW1/switch 3	SW1/switch 4	SW1/switch 5	SW1/switch 6
1MB	open	open	open	open	open	open
2MB	open	closed	open	open	open	open
3MB	open	closed	open	closed	open	open
4MB	open	closed	open	closed	open	closed
5MB	closed	open	open	open	open	open
6MB	open	closed	closed	open	open	open
7MB	open	closed	open	closed	closed	open
9MB	closed	open	closed	open	open	open
10MB	open	closed	closed	open	closed	open
13MB	closed	open	closed	open	open	open