AST RESEARCH, INC.

PREMIUM 4/33S III (501291-001)

Device Type	Mainboard
Processor	80486SX/80486SX2
Processor Speed	33MHz
Chip Set	Unidentified
Video Chip Set	Cirrus Logic
Maximum Onboard Memory	64MB
Maximum Video Memory	Unidentified
BIOS	Unidentified
Dimensions	Unidentified
I/O Options	16-bit ISA slots (4), IDE interface, parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), VGA port, cache slot, AT power connectors (2)

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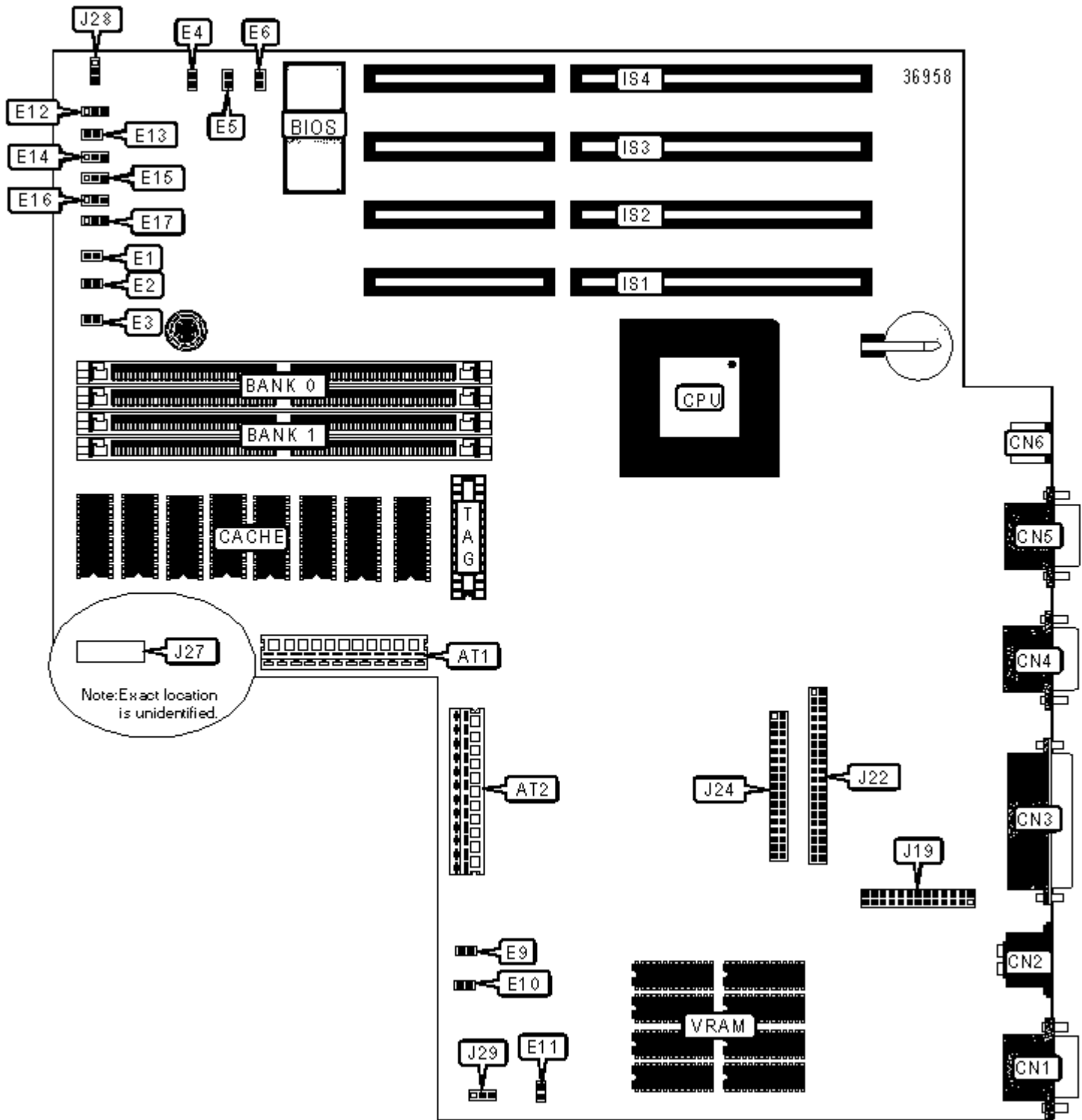
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AT1 power connector 1	AT1	PS/2 mouse port	CN6
AT1 power connector 2	AT2	16-bit ISA slots	IS1 - IS4
VGA port	CN1	IDE interface 1	J22
AT keyboard port	CN2	Floppy drive interface	J24

Parallel port	CN3	Speaker	J27
Serial port	CN4	Fan power	J28
Serial port	CN5	Front console LEDs	J29

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Color display mode enabled	E4	Closed
	Monochrome display mode enabled	E4	Open
»	Integrated video enabled	E5	Closed
	Integrated video disabled	E5	Open
»	Password enabled	E6	Closed
	Password disabled	E6	Open
»	Parallel port IRQ 7	E12	Pins 1 & 2 closed
	Parallel port IRQ 5	E12	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M 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
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 4M x 36	(2) 4M x 36

CACHE JUMPER CONFIGURATION			
Size	**E1**	**E2**	**E3**

»	64KB or None	Open	Open	Open
	256KB	Closed	Closed	Closed

CPU SPEED SELECTION		
Speed	**E9**	**E10**
25MHz	Closed	Closed
33MHz	Open	Closed

CPU TYPE SELECTION						
Type	**E11**	**E13**	**E14**	**E15**	**E16**	**E17**
486SX (PQFP)	Open	Open	1 & 2	1 & 2	1 & 2	1 & 2
486SX (LIF)	Closed	Open	1 & 2	1 & 2	1 & 2	1 & 2
486DX	Closed	Closed	2 & 3	1 & 2	2 & 3	1 & 2
486DX2	Closed	Closed	2 & 3	1 & 2	2 & 3	1 & 2
ODPR	Closed	Closed	2 & 3	1 & 2	2 & 3	1 & 2
ODP	Closed	Closed	1 & 2	1 & 2	2 & 3	1 & 2
487SX	Closed	Closed	1 & 2	1 & 2	2 & 3	1 & 2
Pentium OD	Closed	Closed	2 & 3	2 & 3	2 & 3	Open

Note: Pins designated should be in the closed position.