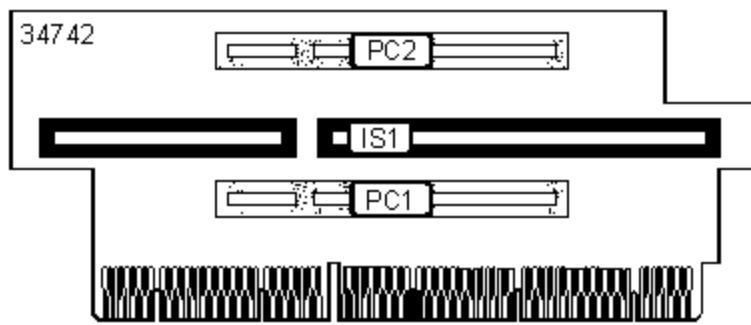
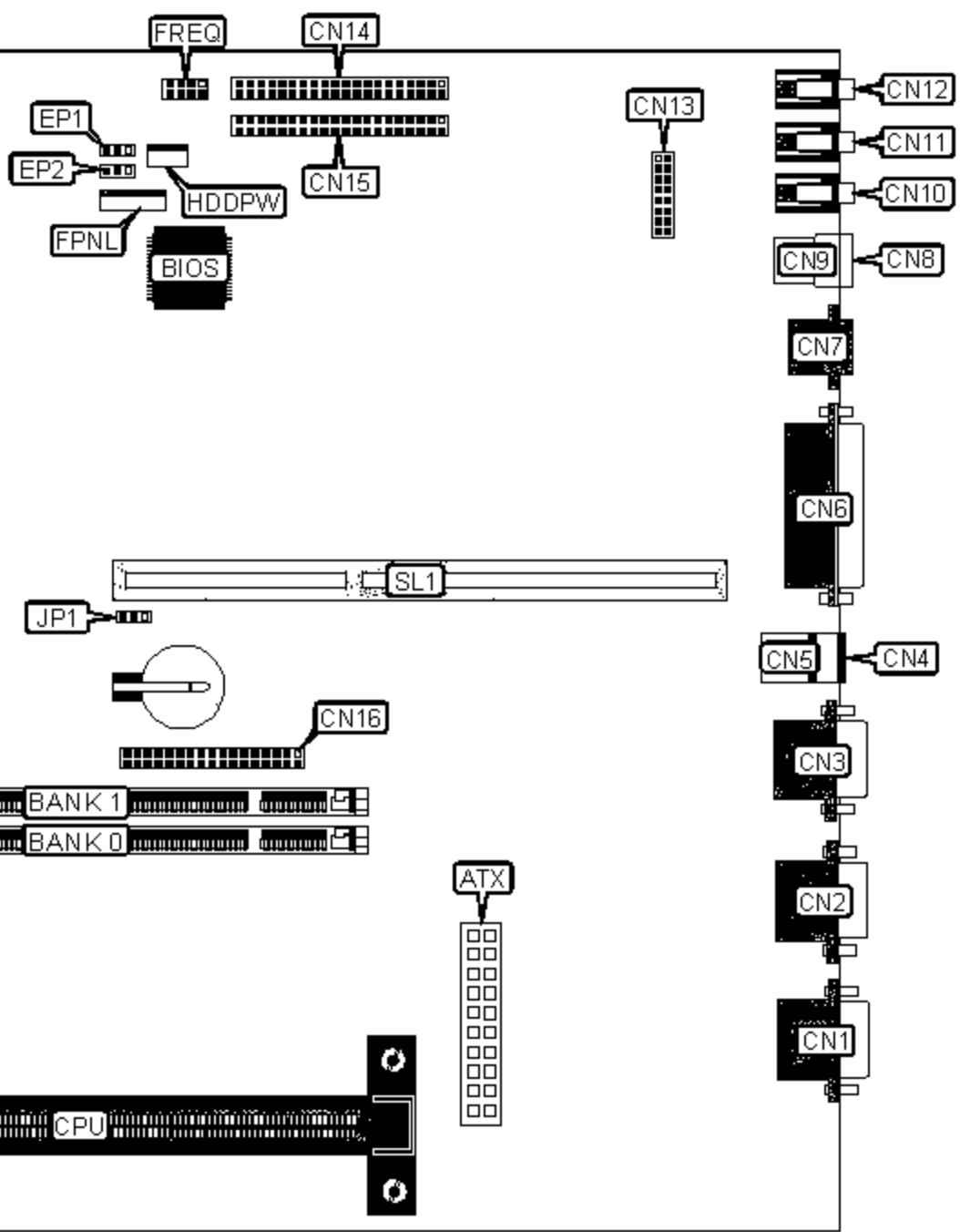


HEWLETT-PACKARD COMPANY

HP NET PC 20, HP SMALL PC 20

Device Type	Mainboard
Processor	Celeron/Pentium II
Processor Speed	266/300/333MHz
Chip Set	Intel 440EX
Video Chip Set	ATI Technologies, Inc.
Audio Chip Set	Cirrus Logic, Inc.
Maximum Onboard Memory	256MB (SDRAM supported)
Maximum Video Memory	4MB
Cache	0/128/512KB (located on the CPU)
BIOS	Award
Dimensions	Unidentified
I/O Options	ATX power connector, Ethernet 10BaseT connector, Floppy drive interface, Game interface, IDE interfaces (2), Line in, Line out, Microphone in, Parallel port, PS/2 keyboard port, PS/2 mouse port, Riser slot, Serial ports (2), USB ports (2), VGA port
I/O Options Backplane Board	16-bit ISA slot (HP Small PC 20 only), 32-bit PCI slots (2)

34742



BACKPLANE BOARD

CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Microphone in	CN12

VGA port	CN1	Game interface	CN13
Serial port 1	CN2	IDE interface 1	CN14
Serial port 2	CN3	IDE interface 2	CN15
PS/2 keyboard port	CN4	Floppy drive interface	CN16
PS/2 mouse port	CN5	CPU fan power	CN17
Parallel port	CN6	Unidentified	FPNL
RJ-45 UTP connector	CN7	Unidentified	HDDPW
USB port 1	CN8	16-bit ISA slot (HP Small PC 20 only)	IS1
USB port 2	CN9	32-bit PCI slots	PC1 - PC2
Line out	CN10	EISA riser slot	SL1
Line in	CN11		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64

64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board supports SDRAM memory.		

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A and greater CPUs. 512KB cache is located on the Pentium II CPUs.

CPU SPEED SELECTION

CPU Speed	FREQ/Pins 1 & 2	FREQ/Pins 3 & 4	FREQ/Pins 5 & 6	FREQ/Pins 7 & 8
266MHz	Closed	Closed	Open	Closed
300MHz	Open	Closed	Open	Closed
333MHz	Closed	Open	Open	Closed

2MB FLASH ROM SELECTION

Flash ROM	EP1	EP2
ATMEL AT29C020, STT 29EE020, AMD 28F020	Pins 2 & 3 closed	Pins 2 & 3 closed
INTEL 28F002, MXIC 28F2000	Pins 2 & 3 closed	Pins 1 & 2 closed