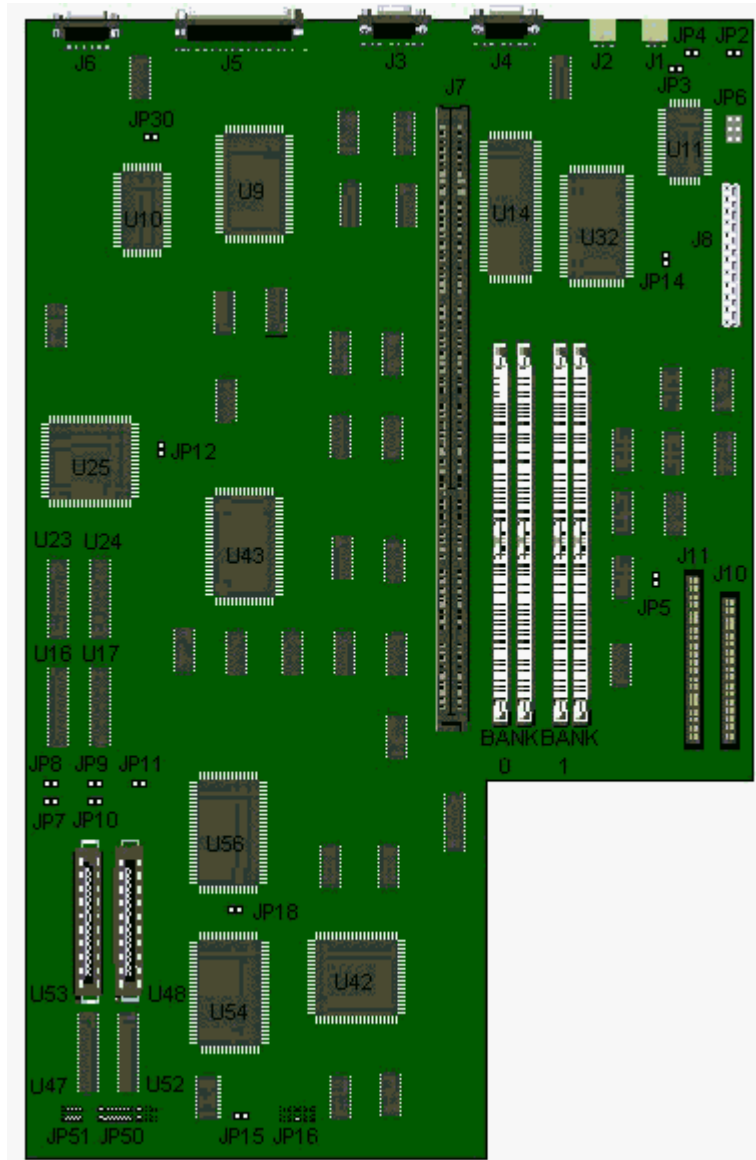# Packard Bell 55 M/Board

Specification

- **Battery :** Tadiran 3.6V Lithium connected at location JP6.
- **BIOS :** 128K Phoenix BIOS Rel. D 1.01.07. To access setup, Ctrl-Alt-Esc
- **Bus Architecture :** ISA based system bus
- **Cache :** 16kb SRAM soldered on motherboard 32kb (2) 8Kbx8 (25ns) in U48 and U53 (optional). When 32k cache is installed on system, the CACHE32.COM program must be run to activate the cache on BIOS versions 1.10.14 and under.
- **CPU :** 80386SX-20 MHz. Turbo Switch Switchable Switch LED Speed : In Amber 8 MHz, Out Green 20 MHz
- **Interfaces :**
    - 1 DB-25 Parallel Port
    - 2 DB-9 Serial ports
    - 1 PS/2 Keyboard Port
    - 1 PS/2 mouse port
    - 1 Ext. VGA Conn on expansion slot

- **RAM :** 2MB standard/16MB maximum. Use 256K, 1,or 4MB SIMMs, 80ns.
- **Speaker :** Piezoelectric onboard. Ext speaker can attach to JP16
- **Video :** Paradise Extended VGA Capable of 1024 X 768 @ 16 colours
- **Video RAM :** 512K

Jumpers

Function	Jumper	Description
Reserved (JP2)	OPEN CLOSED	Reserved Reserved
Monitor Type (JP3)	OPEN CLOSED	Monochrome Colour
Reserved (JP4)	OPEN CLOSED	Reserved Reserved
PS/2 Mouse IRQ 12 (JP5)	OPEN CLOSED	Do not Use IRQ 12 Use IRQ 12
800x600 Frequency (JP7)	OPEN CLOSED	V-56Hz, H-35.2KHz V-60Hz, H-37.8KHz
Monitor Timing (JP8)	OPEN CLOSED	PS/2, Others Multi-Sync One
Video BIOS (JP9)	OPEN CLOSED	AT VGA Mode PS/2 VGA Mode
Reserved (JP10)	OPEN CLOSED	Reserved Reserved
Reserved (JP11)	OPEN CLOSED	Reserved Reserved
On-Board VGA (JP12)	OPEN CLOSED	Disabled Enabled
Non Volatile RAM (JP14)	OPEN CLOSED	Do not Clear CMOS Clear CMOS
Speaker Selection (JP15)	OPEN CLOSED	Off-Board Speaker On-Board Speaker
Reserved (JP18)	OPEN CLOSED	Reserved Reserved
Printer Port Type (JP30)	OPEN CLOSED	PS/2 Bi-Directional Centronics

Upgrades

- **Battery :** Tadiran 3.6V Lithium connected at location J16.
- **Cache :** There are two 28-pin SRAM sockets, which upgrades the 16K cache to 32K, located at U48 and U53. The speed of the SRAM chips must be 25ns or faster.
- **Maths Co-Processor :** This system supports the 80387SX-20 math co-processor. It is installed at location U42. No jumper settings are required.
- **RAM :** 2MB standard/16MB maximum. Use 256K, 1MB,or 4MB SIMMs, 80ns. Shadow BIOS Enabled takes 128Kb off of Extended Memory. No jumper setting required.