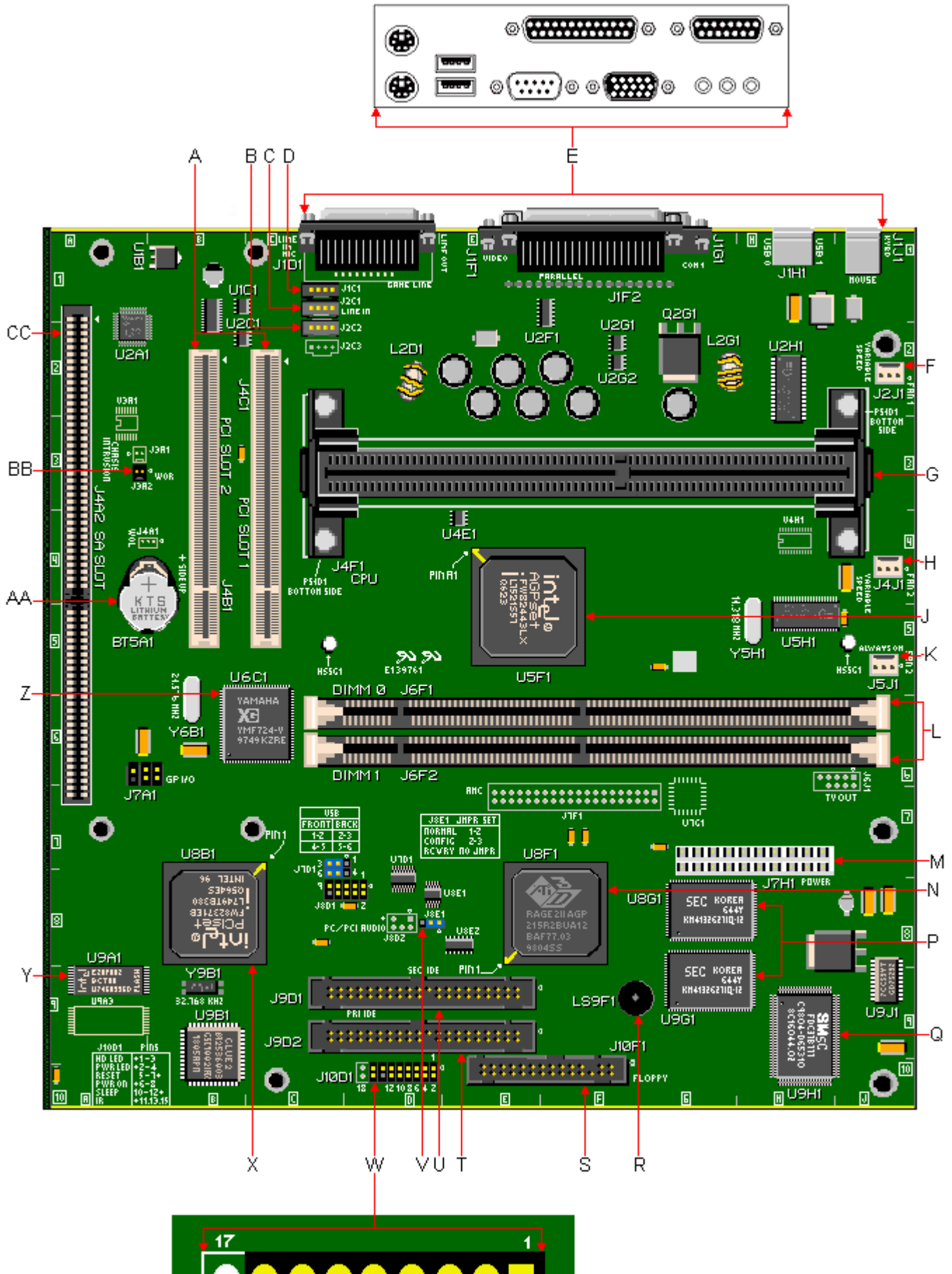


Packard Bell 880/885 M/Board





Item	Description	Item	Description
A	PCI Slots	Q	SMC FDC37M707QFP I/O Controller
B	ATAPI CD-ROM Connector	R	Piezo Speaker
C	Optional Line-In Connector	S	FDD Connector
D	Telephony Connector	T	Primary IDE Connector
E	Rear Ports	U	Secondary IDE Connector
F	Optional Fan 1 Connector	V	Configuration Jumper Block (J8E1)
G	CPU Slot1 Connector	W	Front Panel Connectors
H	Fan 2 Connector	X	i82371EB PIIX4E Chipset
J	i82443EX PCI/AGP Controller (PAC) Chipset	Y	Flash BIOS
K	Fan 3 Connector	Z	Yamaha YMF 740-V AC '97 Digital Controller
L	DIMM Sockets	AA	Battery
M	Power Supply Connector	BB	Optional Wake-on-Ring Connector
N	ATI Rage Pro Turbo AGP Graphics Controller	CC	ISA Slot
P	Video RAM		

Specification

- **Audio Options** : Yamaha YMF 740-V AC '97 Digital Audio Controller (optional).
- **Battery** : Lithium 3V.
- **BIOS** : Intel E28F002BXT80 2 MBit Flash EPROM. System BIOS by Phoenix.
- **Bus** : PCI/ISA based system bus. 66MHz maximum bus speed.
- **Cache** : 32K level 1 cache. 512KB level 2 cache in the Single Edge Contact cartridge.
- **Chipset** : Intel 82440EX PCI AGP Controller (PAC). Intel 82371EB PCI chipset (PIIX4E).
- **CPU** : SEC cartridge, placed in SLOT 1: Intel Pentium II 233/66, 266/66, 300/66, 333/66 and Intel Celeron 266/66 or Mendocino (depending on revision)
- **Expansion Slots**: 1 ISA slot, 2 PCI slots.
- **Form Factor** : MicroATX
- **I/O** : SMC FDC37M707QFP I/O Controller
- **Interfaces** :
 - 2 DB-9 Serial ports.
 - 1 DB-25 Parallel port.
 - 1 PS/2 keyboard port.
 - 1 PS/2 mouse port.
 - 2 USB connectors.
 - 1 DB-15 MIDI/Game port (Optional).
 - 3 Stereo mini-jacks for Line In, Line Out & Mic (Optional).
- **RAM** : 2 168-pin DIMM sockets, upgradeable to 256MB total SDRAM.
- **Video Options** : ATI Rage Pro AGP 1x with 2MB SGRAM (PB880). ATI Rage Pro AGP 2x with 4MB SGRAM (PB885)

Jumpers

Jumper	Configuration
J8E1	1-2 : Normal. The BIOS uses current configuration information and passwords for booting. 2-3 : Configure. After POST, CMOS Setup runs automatically. The maintenance menu is displayed. None : Recovery. The BIOS attempts to recover the BIOS information. A recovery diskette is required.

Upgrades

- **Cache :**
 - This system has got 128 KB internal cache (integrated into the CPU). The Intel Pentium II CPU has 32 K level 1 cache and 512 KB level 2 cache contending the Single Edge Contact cartridge. The cache is nonupgradeable.
- **CPU :**
 - Use a genuine Pentium II 266 MHz or 333 MHz for upgrading a system with a Maui motherboard. This motherboard cannot be upgraded with a Pentium II 300 MHz CPU (note that a Celeron 300 MHz CPU will work without any problems). However, Packard Bell has shipped Pentium systems with a Pentium II 300 MHz CPU, but with a slightly different motherboard (I'm guessing this is the Maui+).
- **RAM :**
 - Maximum on Motherboard: 256 MB
 - Uses 8/16/32/64/128 MB DIMMs, 60 ns or faster EDO SDRAM DIMMs
 - Supports only non-parity DIMM modules.
 - The 168-pin DIMM sockets will accept 3.5V 1Mx64 (8 MB), 2Mx64 (16 MB), 4Mx64 (32 MB), and 8Mx64 (64 MB) and 16Mx64 (128 MB) DIMMs.
 - Bank 0 will be populated as the default from the factory.
 - There are no configuration jumpers: The BIOS will detect the size and type of the memory.
 - This motherboard will not accept 36-bit DIMM modules (parity).
- **Video RAM :** Some configurations of this motherboard come with 2MB of 100MHz SGRAM soldered onto the motherboard, other configurations have 4MB. The video memory is not upgradeable.

ATI 3D Rage Pro

- **Memory :** 4 MB SGRAM
- **Acceleration Chipset :** ATI RAGE 2II AGP
- **Compatibility :** VGA Functionality Enabled
- **Bus :** Integrated on Motherboard. Supports 32-bit PCI local bus standard revision 2.1
- **RAMDAC :** Built-in 230 MHz DAC
- **Driver :** MACXW4.DRV
- **Device Manager Name :** /ati3d/(Direct X)
- **Standards Supported :**
 - PCI 2.1 Compliant
 - Video capture/conferencing
 - TV Tuner with Intericast support
 - Interface to ATI's ImpactTV chip
 - Uses 0.35m, 3.3V CMOS technology.
 - 3D performance is capable of 1 million triangles per second.
 - Incorporates DVD/MPEG-2 decode assist to improve frame rate without dedicated hardware.

- **Hardware Interfaces :**
 - 15 pin D shell (Female)
 - AMC Connector - 2x20 pin VESA Feature connector.
- **Refresh Rates :**

Resolution	Optimum Refresh Rate	Maximum Colours
320x200	70	32bpp
320x240	60	32bpp
400x300	60	32bpp
512x384	70	32bpp
640x400	70	32bpp
640x480	75	32bpp
800x600	75	32bpp
800x480	60	32bpp
1152x864	43	32bpp
1024x768	75	32bpp
1280x1024	60	32bpp

Yamaha DS XG

- **Bits Per Channel :** 16 Bits Per channel
- **BUS Type :** Integrated
- **Device Manager Name :** YDSXG - YAMAHA DS XG Device Manager
- **Drivers :** YDSXG.DRV, YDSL.G.DRV
- **Midi Interface :** Yes
- **PnP Compatibility :** Yes
- **Ports :**
 - MIDI/Game Port
 - Line-In
 - Line-Out
- **Default Settings :**
 - Port Address 220
 - IRQ Setting 5
- **Audio Chipset :** Yamaha YMF 740-V
- **Sample Rate :** 4Khz to 48Khz
- **Compatibility :** Sound Blaster, Sound Blaster Pro, Microsoft Sound System. Meets PC 97/PC 98 and WHQL Specifications.