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HP and Compaq Desktop PCs - Motherboard Specifications, PTGD1-LA (Grouper)

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Motherboard specifications table

PART / FEATURE	SPECIFICATION / SUPPORT
Motherboard Description	<ul style="list-style-type: none">• Motherboard: ASUS PTGD1-LA• HP/Compaq name: Grouper-UL8E
CPU/Processor	<ul style="list-style-type: none">• Socket LGA775• Supports Intel Pentium 4 processor up to 3.4 GHz• Supports Intel Pentium 4 HT processors
Front Side Bus (FSB)	<ul style="list-style-type: none">• 800 MHz



PART / FEATURE	SPECIFICATION / SUPPORT
Chipset	<ul style="list-style-type: none"> • Northbridge Intel i915G graphics controller hub (GMCH) • Southbridge Intel ICH6
BIOS Features	<ul style="list-style-type: none"> • 4Mb FWH EEPROM • HP BIOS with enhanced ACPI, PnP, DMI, Green features
Form Factor	<ul style="list-style-type: none"> • Micro-ATX form factor • 9.6 inches x 9.6 inches (24.5 cm x 24.5 cm)
Memory	<ul style="list-style-type: none"> • Four 184-pin DDR DIMM sockets • Supports PC3200 (400 MHz) /PC2700 (333 MHz) / PC2100 (266 MHz) DDR DIMM type • Maximum HP/Compaq approved memory module is 4GB (4 x 1GB)
Expansion Slots	<ul style="list-style-type: none"> • One PCI Express x16 graphics PEG slot • Three PCI slots • One PCI expansion slot • No AGP slot
Video Graphics	<ul style="list-style-type: none"> • Integrated
Serial ATA	<ul style="list-style-type: none"> • Two serial ATA (SATA) connectors, each supporting two ports • Hot swap function





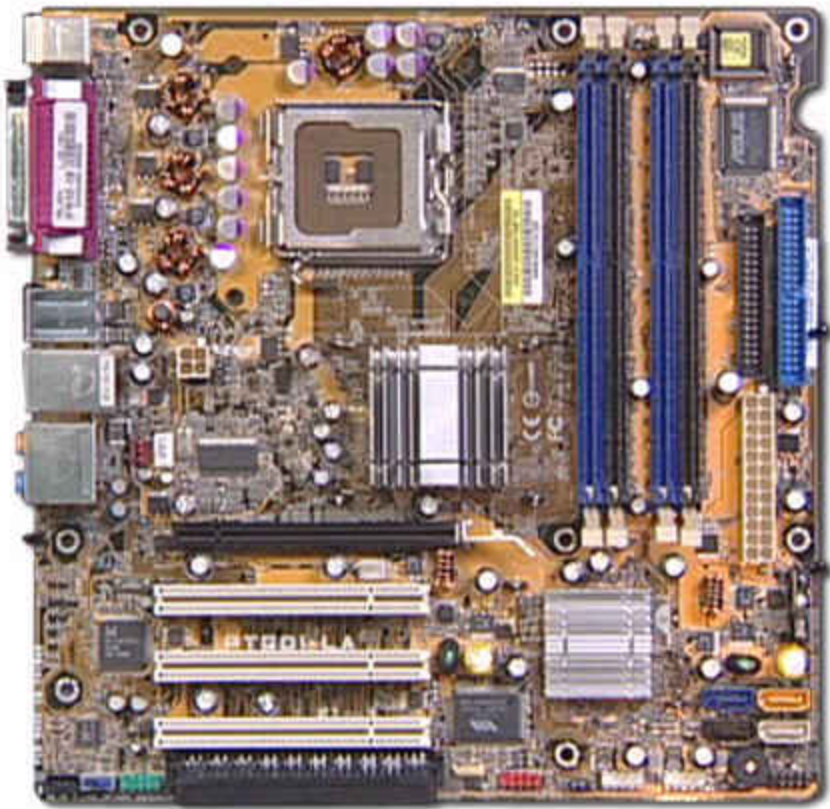
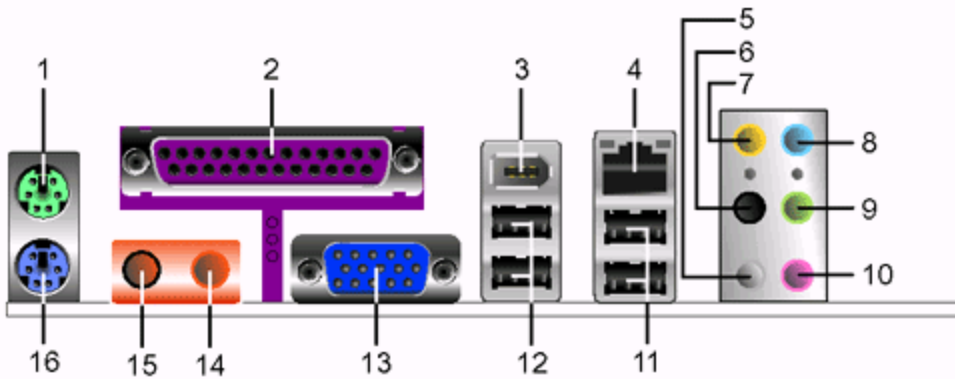


Figure 3: Backplate



1. PS/2 mouse port
2. Parallel port
3. IEEE 1394 port
4. RJ-45 port
5. Side Speaker Out (gray) port (connects to the side speakers in an 8-channel audio configuration)
6. Rear Speaker Out (black) port (connects to the rear speakers on a 4-channel audio configuration)
7. Center/Subwoofer (yellow orange) port (connects to the center/subwoofer speakers)
8. Line In (light blue) port (connects a tape player or other audio sources)
9. Line Out (lime) port (connects to a headphone or a speaker. In 4-channel, 6-channel, and 8-channel mode, the function of this port becomes Front Speaker Out)
10. Microphone port
11. USB 2.0 ports three and four



12. USB 2.0 ports one and two
13. Video Graphics Adapter port. (This 15-pin port is for a VGA monitor or other VGA compatible devices)
14. S/PDIF Out port
15. S/PDIF In port
16. PS/2 keyboard port

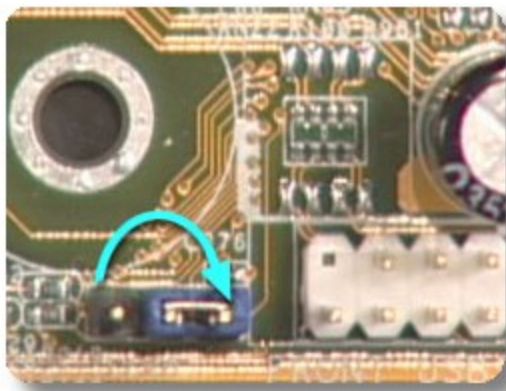
Clearing the CMOS settings

⚠ CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

Clear RTC RAM (3-pin CLRRTC)

This jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, time, and system setup parameters by erasing the CMOS RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which includes system setup information.

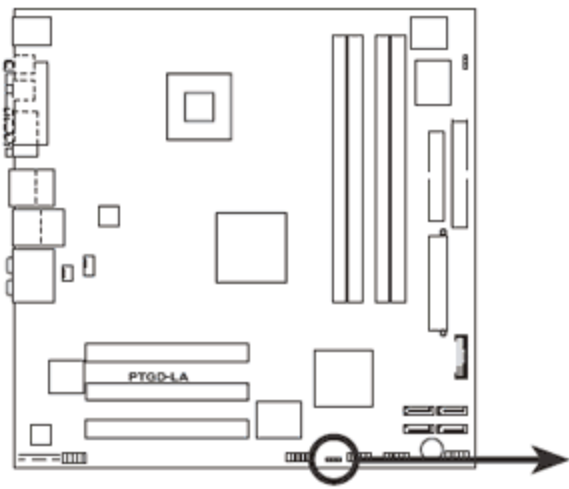
1. Turn off the PC and unplug the power cord.
2. Move the CLRRTC jumper cap from pins 1-2 (Normal) to pins 2-3 (Clear CMOS). Keep the cap on pins 2-3 for about 10 seconds, then move the cap back to pins 1-2.



3. Plug the power cord and turn **on** the PC.

⚠ CAUTION: Except when clearing the RTC RAM, never remove the cap from the default position. Removing the cap causes system boot failure!





CLRTC



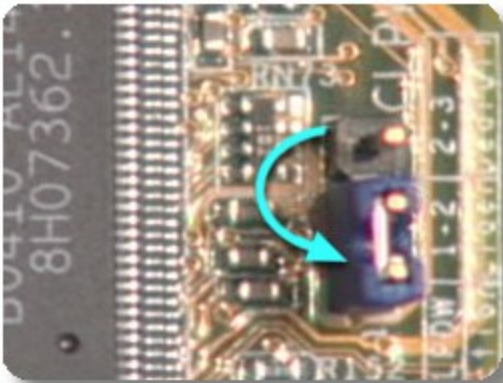
1. Normal (default)
2. Clear CMOS

Clearing the BIOS password

The BIOS password protects the BIOS from undesired changes. If password checking is enabled, and you need to disable it, use the following steps:

⚠ CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the CLPWD jumper cap from pins 2-3 (Normal) to pins 1-2. Keep the cap on pins 1-2 for about 10 seconds, then move the cap back to pins 2-3.



3. Plug the power cord and turn **on** the PC.

⚠ CAUTION: Except when clearing the RTC RAM, never remove the cap from the default position. Removing the cap causes system boot failure!



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