

Objetivo: Conocer la placa base ASUS P5B-VM-DO

- Reconocer los conectores e indicadores del panel frontal
- Reconocer algunas funciones de los jumpers de la placa base
- Comprobar el funcionamiento mínimo de un PC

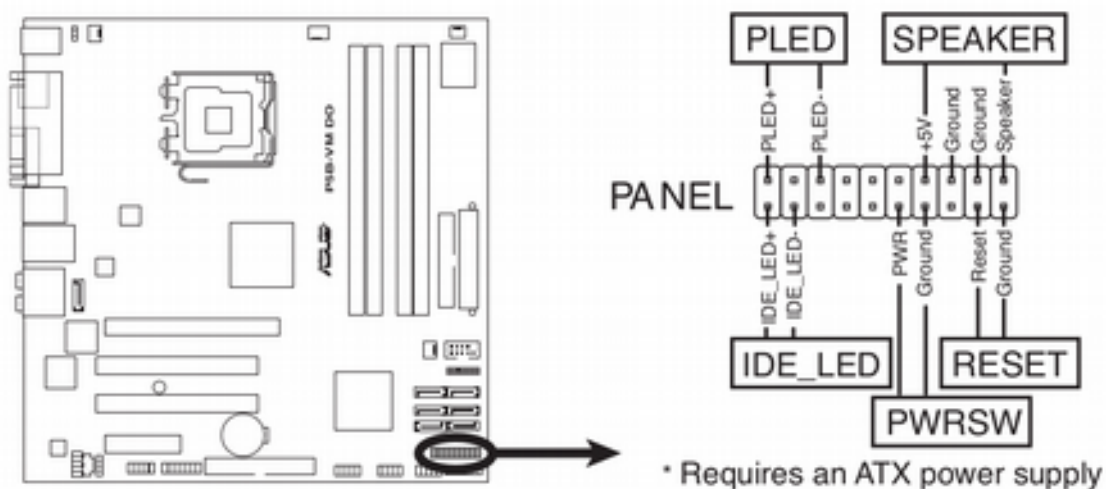
Cómo realizar la práctica

En esta práctica, no se entregará ninguna memoria.

Panel frontal:

Comprobar las conexiones del panel frontal.

Se muestra esquema de la placa base ASUS P5B-VM-DO



Jumpers:

Esta placa base tiene 3 jumpers:

En la página siguiente se muestra la posición inicial de los 3 jumpers, comprobar que están en esa posición.

1. Para limpiar CMOS
2. Para avisar si el PC se ha abierto
3. Para permitir encender el equipo con ratón y teclado

Arrancar equipo con pendrive:

Pasos:

1. Con pendrive en USB trasero, reiniciar el equipo pulsando F8 para seleccionar arranque del pendrive.
 2. Seleccionar Hiren's Boot (en otros sistemas)
 3. Iniciar el programa memtest.
 4. Observar: capacidades memoria RAM, procesador y cachés del procesador.
- El programa memtest, realiza un test completo de la memoria, en caso de error, salen líneas rojas

Clear RTC RAM (CLRRTC)

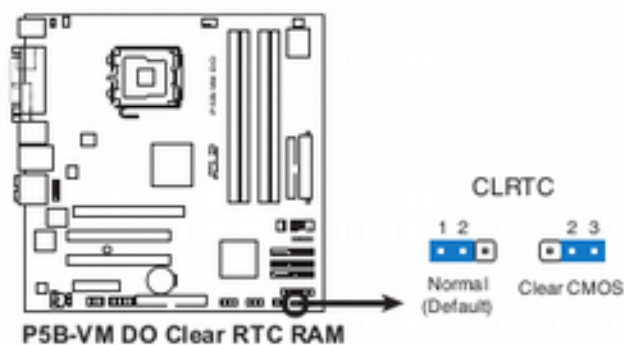
This jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, time, and system setup parameters by erasing the CMOS RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which include system setup information such as system passwords.

To erase the RTC RAM:

1. Turn OFF the computer and unplug the power cord.
2. Remove the onboard battery.
3. Move the jumper cap from pins 1-2 (default) to pins 2-3. Keep the cap on pins 2-3 for about 5~10 seconds, then move the cap back to pins 1-2.
4. Reinstall the battery.
5. Plug the power cord and turn ON the computer.
6. Hold down the key during the boot process and enter BIOS setup to re-enter data.

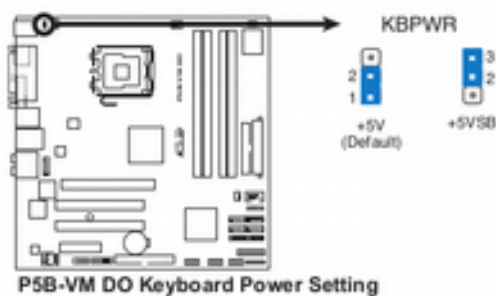


Except when clearing the RTC RAM, never remove the cap on CLRRTC jumper default position. Removing the cap will cause system boot failure!



Keyboard power (3-pin KBPWR)

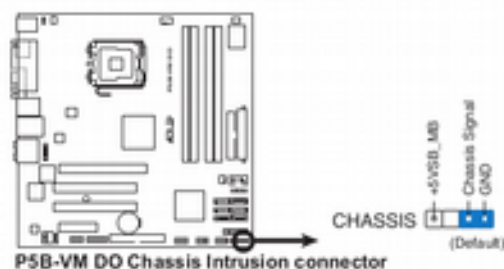
This jumper allows you to enable or disable the keyboard wake-up feature. Set this jumper to pins 2-3 (+5VSB) to wake up the computer when you press a key on the keyboard (the default is the Space Bar). This feature requires an ATX power supply that can supply at least 1A on the +5VSB lead, and a corresponding setting in the BIOS.



Chassis intrusion connector (4-pin CHASSIS)

This connector is for a chassis-mounted intrusion detection sensor or switch. Connect one end of the chassis intrusion sensor or switch cable to this connector. The chassis intrusion sensor or switch sends a high-level signal to this connector when a chassis component is removed or replaced. The signal is then generated as a chassis intrusion event.

By default, the pin labeled "Chassis Signal" and "Ground" are shorted with a jumper cap. Remove the jumper caps only when you intend to use the chassis intrusion detection feature.



Estas imágenes se han obtenido del manual de la placa base ASUS P5B-VM-DO (páginas 28, 29 y 38)