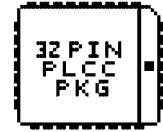


USING THE BIOS KIT PLUS COMBINATION ADAPTER

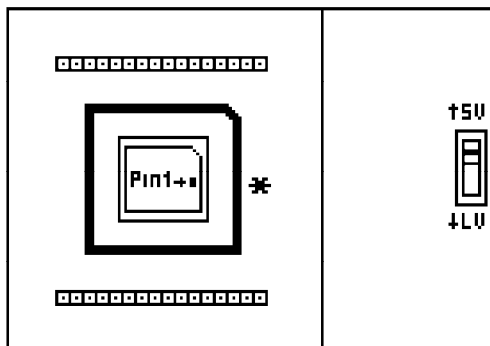
The BIOS KIT PLUS combination adapter is designed to support two standard 32 pin PLCC (Plastic Leaded Chip Carrier) memory device groups; standard 32 pin PLCC footprint memory devices and 32 pin firmware hub parts. The adapter supports both standard (5 volt) and low voltage (LV) devices. The combination adapter consists of three assemblies; the ADAPTER BASE, the STANDARD 32 PIN PLCC socket and the FIRMWARE HUB socket. The adapter base receives the proper socket assembly based on the technology family with which you are working. If you are working with a FIRMWARE HUB bios device, select the FIRMWARE HUB socket assembly. If you are working with a standard 32 PIN PLCC bios device, select the STANDARD 32 PIN PLCC assembly.



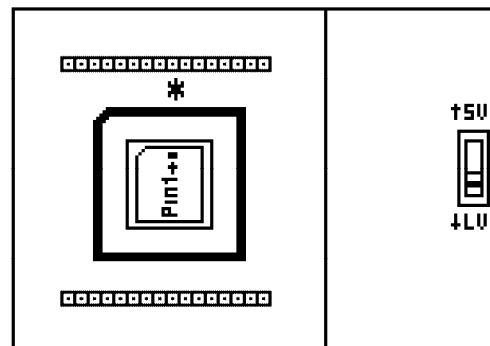
REMOVING AND INSTALLING THE SOCKET ASSEMBLY

To change the socket assembly use the following procedure. **To separate the top assembly from the base**, grasp the base with one hand and the top with the other. Gently pull the two assemblies apart while keeping both boards parallel. Be careful not to bend the pins at the point of separation. Choose the proper socket assembly based on the bios device with which you are working. The illustrations below show the proper alignment of the 32 pin socket assembly. If you are working with a FIRMWARE HUB device, install the FIRMWARE HUB assembly as indicated in the illustration on the right (PIN 1 facing up). If you are working with a STANDARD 32 PIN PLCC bios device, install the top assembly as indicated in the illustration on the left (PIN 1 facing right). **To reassemble the two halves of the adapter**, align the top socket pins with the receiving strips on the base. Gently press the two halves together while keeping the boards parallel. Be sure the two halves are fully mated. **WARNING: Never position the top socket assembly with PIN 1 DOWN or LEFT.**

**ORIENTATION FOR
STANDARD 32 PIN PLCC DEVICES**



**ORIENTATION FOR
FIRMWARE HUB DEVICES**



SETTING THE VOLTAGE SELECTION SWITCH ON THE ADAPTER BASE

The combination adapter supports both standard 5 volt devices and low voltage (LV) parts. The voltage range is selected using the small slide switch on the base board. Set the switch to the 5V position for standard parts. Set the switch to the LV position for low voltage and firmware hub parts. A low voltage part is normally identified by the letters LV, V, BV or W in the part number. EXAMPLE: 29LV010 or 29W040 are both low voltage flash memory parts. Normal EPROM and flash memory parts use the 5V setting. The BIOS KIT/EPROM+ software also indicates the proper voltage setting. When a device is selected or the "S" command is pressed, the system will indicate a low voltage device with the message SET ADAPTER SWITCH TO LV. If the software indicates that adapter PART#AFWH is required, choose the FIRMWARE HUB socket and set the switch to LV.

INSERTING AND REMOVING PLCC DEVICES FROM THE SOCKET

The 32 pin PLCC socket used on the adapters is a Zero-Insertion-Force (ZIF) design. If used with care, this socket will provide many years of trouble free service. To insert a device into the socket align pin 1 with the indicator (*) on the socket board. Be certain that the chip is parallel to the socket, not tilted. Gently press down on the chip. The socket collar will rise as the chip is inserted: press until the chip is flush against the socket base. To remove a chip from the socket simultaneously press both sides of the collar until the chip is ejected.