



MacBook Universal SPI Flash Adaptor

For Universal 25 Series EEPROM SPI Flash Programmers



Product

This product is designed to provide a simple solution to flash any of the numerous EEPROM packages used in MacBook products. The board was designed to allow proper data flow, as well practical PCB design to ensure data reads/writes are accurate every time. This was thoroughly tested using various programmers and revised to be compatible with as many programmers as possible due to it's well thought out form factor. This adapter supports the following EEPROM IC Layouts:

- SOP-8
- USON-8 3x2
- USON-8 4x3
- WSON-8 6x5
- WSON-8 8x6
- XSON-8

Each layout was designed based on the recommendations listed in the datasheets of various EEPROM IC Manufacturers that are commonly found in MacBook products.

Directions

Solder **one** EEPROM IC that you wish to read/write to on the board. Use your favorite programming tool of choice.

The following are common use cases where this product will be useful

- MacBook EFI SPI ROM
- MacBook T2 SPI ROM (**1.8v Adapter is Required unless supported natively by programmer**)
- MacBook Bluetooth SPI ROM
- MacBook WiFi SPI ROM
- MacBook USB EFI ROM

All of the package types utilized in most MacBook are covered other than the BGA package found in the a1534 model. This was intentional as there were not enough technicians that requested or used this during out pilot run.

Warranty

This product will have a 60-day warranty, covering premature failure that is not due to poor soldering practices. If determined the board failed prematurely, then a replacement board will be promptly sent out at no cost to the buyer.