

Dediprogram on-board solutions for SPI flash memories

Solution 1: SPI on-board back-up reboot and emulation solution

Schematic Requirement: Hold Pin pulled high through a resistor (schematics available under request)

How it works:

- ➔ Program the correct/new boot codes to Dediprogram backup flash card through its SF100 programmer.
- ➔ Reboot your system with our backup boot flash card (connect to Serial Flash package with test clip). Our Backup Boot Flash card disables automatically your main Serial Flash on board at the connection
- ➔ Update the corrupted boot codes through your flash utilities.

Features:

- ✓ USB interface
- ✓ Signals conflict protections
- ✓ Image download speed at 1Mbits/s to SPI flash
- ✓ No need to remove the main SPI flash soldered on board during development or repairing
- ✓ Can be used as **SPI flash emulator** for Bios development (no need to remove the kit for reboot)

Accessories:

- ✓ SF100 Programmer
- ✓ Backup flash card for single SPI Flash with or without SO socket (SO8N, SO8W or SO16)
- ✓ Backup flash card for Dual SPI Flash with or without SO socket (SO8N, SO8W or SO16)
- ✓ Test Clip for SO8N and SO8W or SO16 (don't need connector on motherboard)

Solution 2 In system programming solution

Schematic Requirement:

- South bridge SPI pins must be in high impedance states during reset state or motherboard needs isolations for protection (Schematics available upon request)

How it works:

- ➔ Connect the SF100 programmer on the motherboard ON or OFF with the help of the connector or by using our Test Clip for a direct connection on the SPI Flash SO package.
- ➔ Update the SPI Flash on board

Features:

- ✓ USB interface
- ✓ Signals conflict protections
- ✓ Image download speed at 1Mbits/s to SPI flash
- ✓ No need to remove the SPI flash for development or repair
- ✓ No need to boot the system and therefore, no need of peripherals: processor, ATX Power Supply..

Accessories:

- ✓ SF100 Programmer with its ISP cable
- ✓ SO Test Clip (if no connector on board)
- ✓ Flash Card to store the reference code when SF100 is used in Stand alone mode (no computer)

Dediprogram's other products:

Dediprogram also offers OFF line serial flash programmers (SF200) with socket adaptors to support all the Serial Flash packages and programming service for serial flash memories.

Please refer to www.Dediprogram.com for details.

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