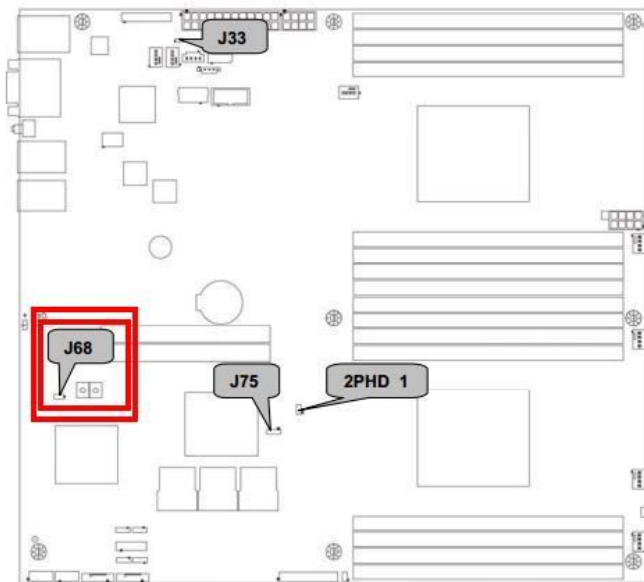


How to Flash a Sandy bridge BIOS to an Ivy Bridge on the S7066:

Step One: Create a DOS bootable flash drive using your preferred utility. Place the BiosUpgradeTool files on this drive. Rename the BIOS file supplied by Tyan for your board to "BIOSFILE.ROM" and place onto the flash drive in the same directory as the BiosUpgradeTool files.

Step Two: Once the system is powered off, remove the AC power, place a jumper on the "Flash Security Override Pin Header" pins 1-2. *See picture below for location.*



J68: Flash Security Override Pin Header

| | | | |
|---|--------|----------|-------------|
|  | Pin | 1 | 2 |
| | Signal | V3P3_AUX | AUD_AZA_SDO |

Step Three: Boot to the now Bootable USB drive. This is easiest done by using the F11 boot priority selection rather than changing the boot device in the BIOS.



Step Four: Once booted to DOS, navigate to the directory the flash files have been placed in. Execute the F.bat by typing "F" and pressing enter. Select option 1 to flash the Upgrade BIOS to the board, the system will restart once flashing is complete. Boot to the USB drive once more. You will notice during boot the BIOS version is now "BIOS UPGRADE TOOL"



Step Five: Once booted to the Bootable USB drive, execute the F.bat once more. Press 2 to begin the Ivy Bridge BIOS Flashing. The system should power off once the flashing is complete. Turn off the AC power, remove the jumper on "Flash Security Override Pin Header" pins 1-2. Apply power and Boot as normal.

```
Press " 4 " to Exit.
choose an option[1,2,3,4]?2
+-----+
|               AMI Firmware Update Utility  v3.05.00               |
|      Copyright (C)2012 American Megatrends Inc. All Rights Reserved.      |
+-----+
Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
- Update success for /FDT!!
- Update success for /GBE!!
- Update success for /PDR!!
- Successful Update Recovery Loader to OPRx!!
- Error when sending Enable Message to ME !!
WARNING : System must power-off to have the changes take effect!
+-----+
|               AMI Firmware Update Utility  v3.05.00               |
|      Copyright (C)2012 American Megatrends Inc. All Rights Reserved.      |
+-----+
Reading flash ..... done
- ME Data Size checking . ok
Erasing All Block ..... done
Updating All Block ..... done
Verifying All Block ..... done
```