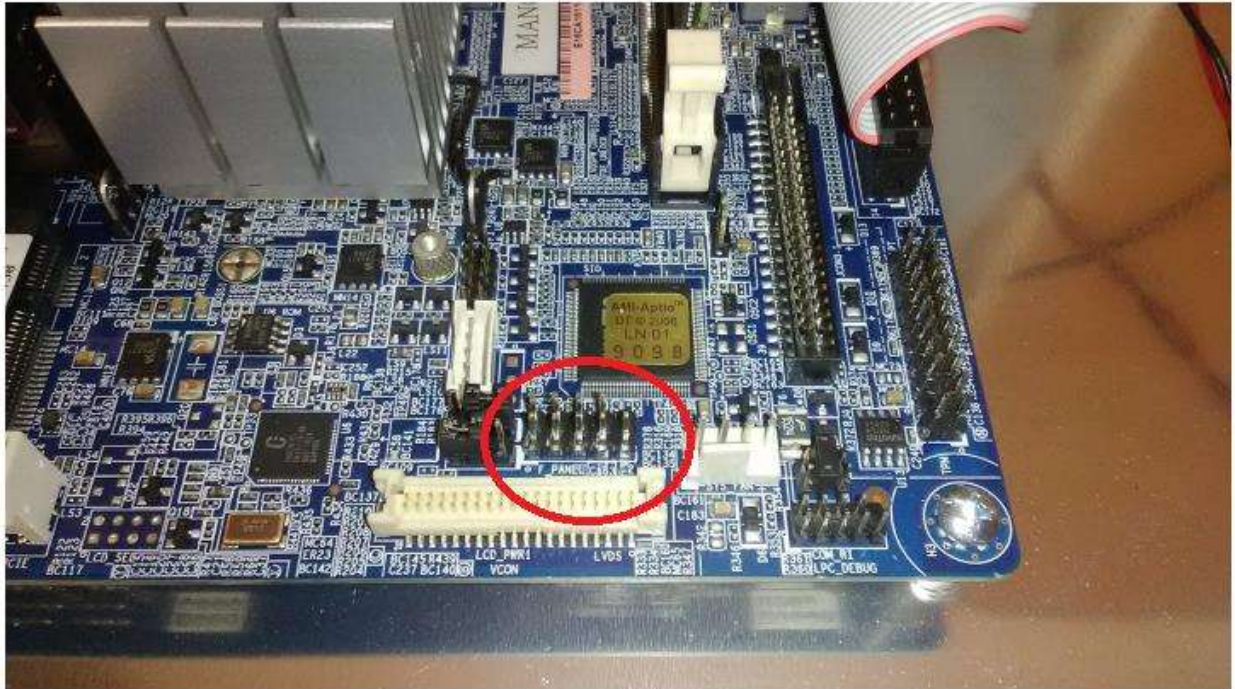**To jumper a Mano840 motherboard you must first locate the F_PANEL connector on the motherboard. When looking at the DCM having the lid open toward you it will be located toward you and to the right side of the motherboard. It is shown circled in red on this photo.**

There are 2 rows of pins on the F_PANEL connector. The bottom row has 5 pins and the top row has 4. You are interested in the top row, two pins to the right. These are pins 6 and 8 which are _Power_ and _Ground_.

NOTE: When jumping the motherboard, you will more than likely need to reset the BIOS settings. Before jumping, connect a keyboard and monitor to the DCM.

i.   Make sure the DCM power switch is in the ON position.
ii. Get a flat-head screwdriver.
iii. Locate the prongs on the motherboard labeled 'F_PANEL'.
iv. Using the screwdriver, carefully short pins 6 and 8 together. Watch for the I/O board to runway (the LEDS to light up in a "waterfall" or "cascading" pattern) and listen for the beep indicating the DCM is booting.
v.   As the DCM boots, you will need to hit the 'Delete' key to enter the BIOS settings and set them correctly.
vi. Save your changes and reboot.

vii. Once the DCM reboots and the changes take effect, the monitor will bring you to the DCM login. At this time, before turning the DCM off again please check the motherboard battery voltage. The battery should be at or above 2.8 volts or you may lose the BIOS settings at the next reboot. Replace the battery if necessary.

viii. Once the battery voltage is verified, turn the DCM power off, wait 5 seconds and turn the DCM power switch to the ON position to make sure the DCM boots on its own, and that the BIOS settings did not reset. If it still does not boot without a jump-start, or if the BIOS settings reset, the problem is likely related to the motherboard.

The following are the correct BIOS settings for the Mano840 motherboard.

Mano 840 Motherboard

For PlantStar 4.33 (NOT FOR 4.0)

1. On first boot of computer press the <DELETE> key to enter the BIOS
2. If this is the initial setup of the motherboard, press the <F3> key to load the optimized default values.
3. Go to the **Advanced BIOS** Features menu
    a. Go to the **ACPI Settings** menu
        i. Set the **ACPI Sleep State** setting to **Suspend Disabled**
    b. **SATA Configuration** menu
        i. Set the **SATA Mode** to **AHCI Mode**
    c. **USB Devices** menu
        i. Set **XHCI Mode** to **Disabled**
        ii. Set **USB 2.0 Support** to **Enabled**
    d. **Super IO Configuration** menu
        i. **Restore AC Power Loss**
            1. Set to Power On
        ii. **Serial Port 1 Configuration**
            1. Set to **IO=3F8h;IRQ=4** (Do not set to Auto)
        iii. **Serial Port 2 Configuration**
            1. Set to **IO=2F8h;IRQ=3** (Not auto)
        iv. **Parallel Port Configuration**
            1. Set to **IO=378h;IRQ=5** (Not auto)
        v. **H/W Monitor**
            1. **Smart Fan Function**
                a. Set to **Disabled**
    e. **Chipset** menu
        i. **South Bridge** menu
            1. **HD Audio**
                a. **Disable**
4. Save the settings and exit (press F4 key)

For PlantStar 4.0

1. On first boot of computer press the <DELETE> key to enter the BIOS
2. If this is the initial setup of the motherboard, press the <F3> key to load the optimized default values.
3. Go to the **Advanced BIOS** Features menu
    a. Go to the **ACPI Settings** menu

   i. Set the **ACPI Sleep State** setting to **Suspend Disabled**

  b. **SATA Configuration** menu

   i. Set the **SATA Mode** to **AHCI Mode**

  c. **USB Devices** menu

   i. **Legacy USB Support** to **Enabled**

   ii. Set **XHCI Mode** to **Enabled**

  d. **Super IO Configuration** menu

   i. **Restore AC Power Loss**

    1. Set to Power On

   ii. **Serial Port 1 Configuration**

    1. Set to **IO=3F8h;IRQ=4** (Do not set to Auto)

   iii. **Serial Port 2 Configuration**

    1. Set to **IO=2F8h;IRQ=3** (Not auto)

   iv. **Parallel Port Configuration**

    1. Set to **IO=378h;IRQ=5** (Not auto)

   v. **H/W Monitor**

    1. **Smart Fan Function**

     a. Set to **Disabled**

  e. **Chipset** menu

   i. **South Bridge** menu

    1. **HD Audio**

     a. **Disable**

4. Save the settings and exit (Hit F4 Key)

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PLANTSTAR

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