[[reprap:anet:electronics:mainboard]]

Anet Mainboard(s)

So far the mainboard has been changed a couple of times without the version number being upgraded. The Brandname, URL () and/or version number just did not get printed on the board anymore at some time.

Changes visible are:

- 4 potentiometers to set the steppermotor current(s). they are visible just left of the big round capacitors
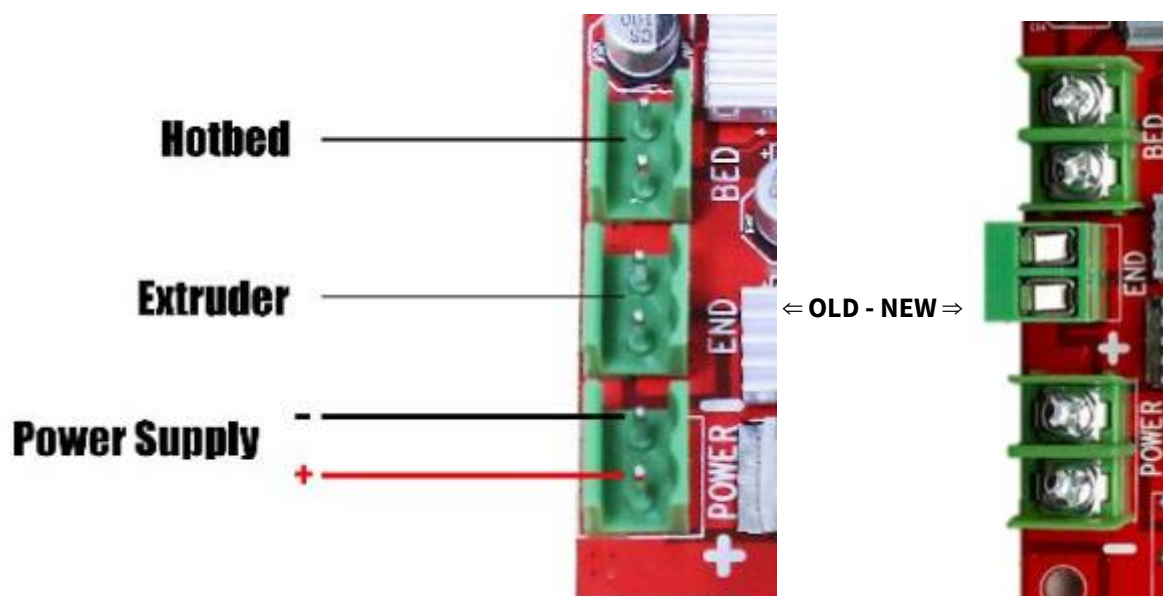

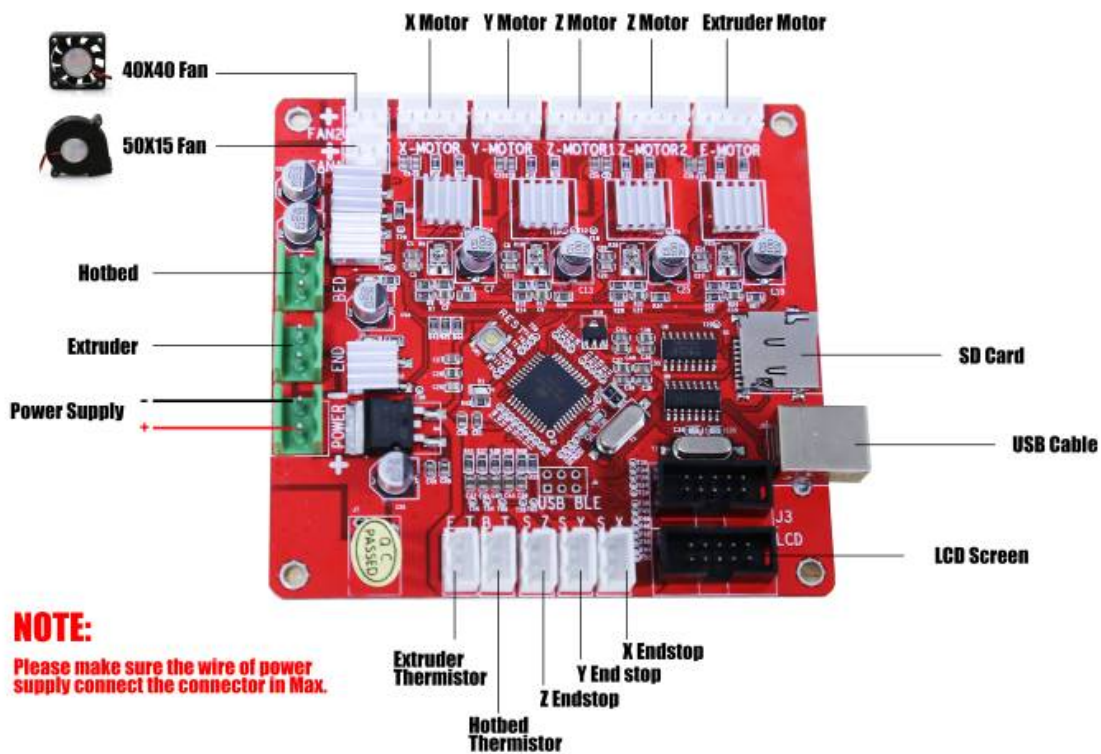- 1 potentiometer (right Z steppermotor only).

- No potentiometers.

- changed (upgraded) powerconnectors. (note the power supply connections switched position as well)

⇐ **OLD - NEW** ⇒

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    NOTE: The upgrade has been done because the "old" slide-on connectors of
 ten suffered meltdowns as a result of transitional resistance and the follow
 ing heatdevelopement caused by improper wiring or currents going over the ma
 ximum rating for the connectors.
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The general layout of the other connectors on the board stayed the same however so the picture under shows how and where to connect all plugs.

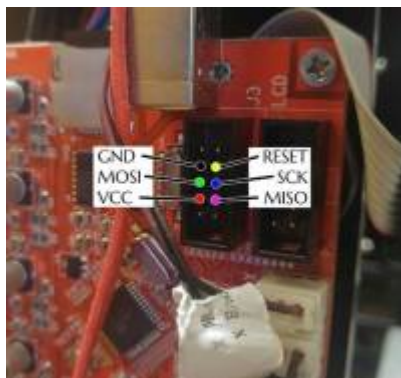source: anet3d.com (http://www.anet3d.com/English/Technical_Support/Customer_Service/104.html)

Order a replacement board (http://www.banggood.com/3D-Printer-Mainboard-Anet-V1_0-For-Reprap-Mendel-Prusa-Control-Motherboard-p-1084455.html?p=2322113070965201511G)

Hardware

Stepper Driver

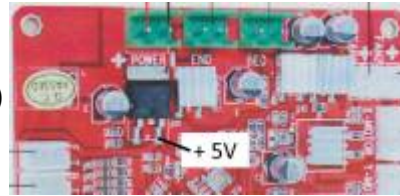A4988 (confirmed by removing heatsink)

Connectors

Voltage

If only Fan2 is running an nothing else has power (no LED on the board and the LCD is off as well), check

the 5V power at the marked point. If you can't get 5V, the voltage regulator might be broken. See Anet v1.0

Power Upgrade (https://www.thingiverse.com/thing:1712609)

3DPrint.Wiki