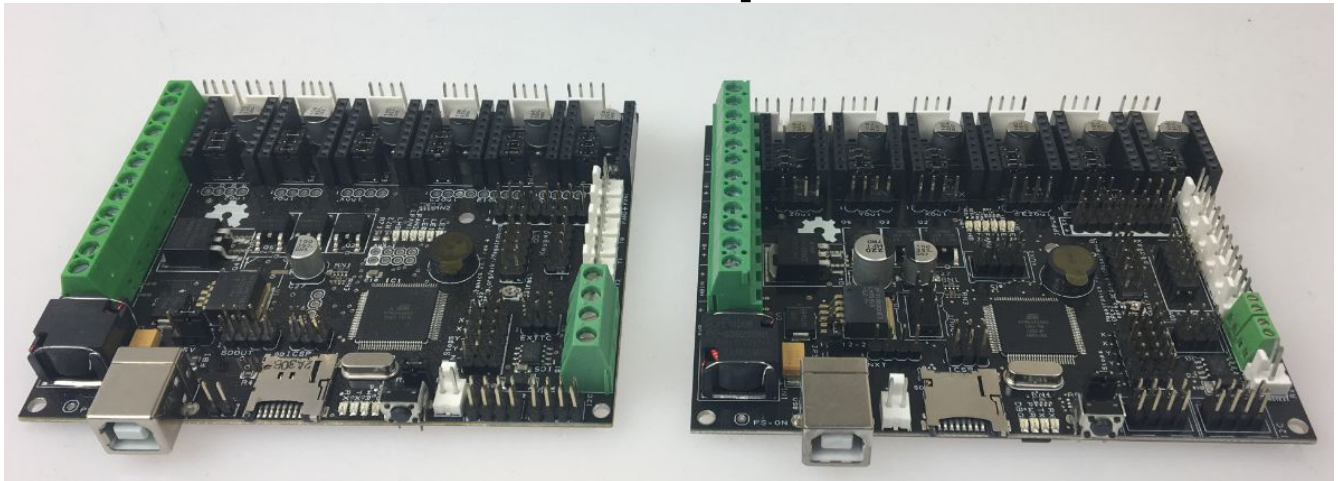


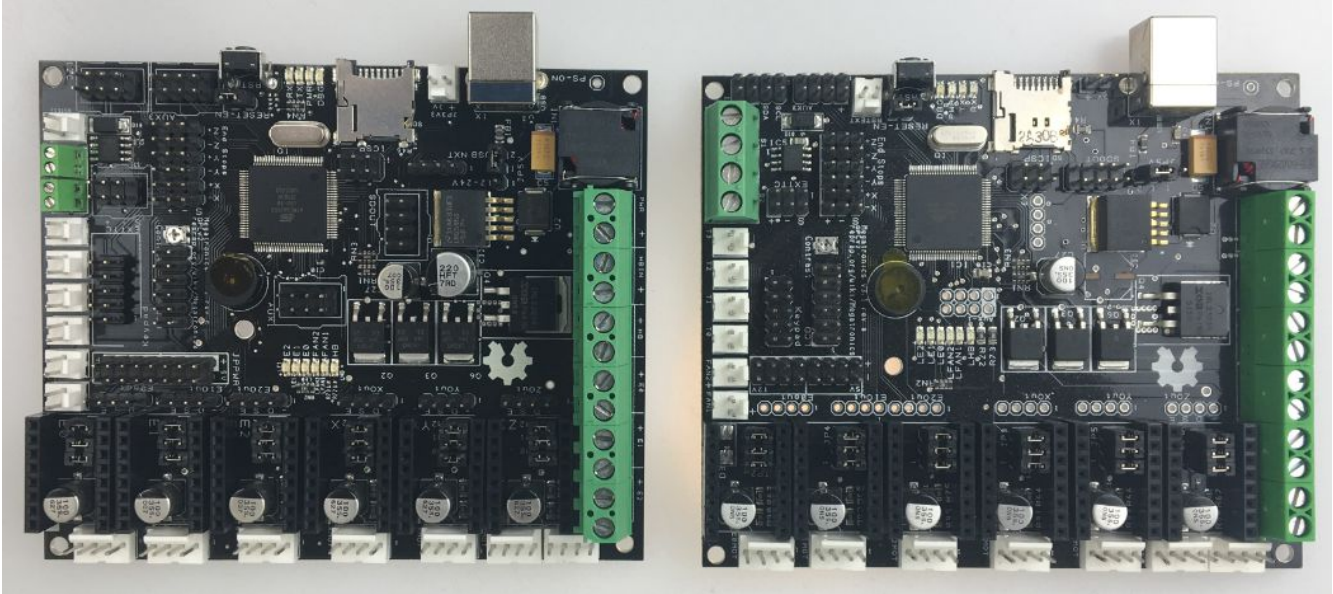
MEGATRONICS v3.1 v3.2 Comparison



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On the left the new version 3.2, on the right the version 3.1.

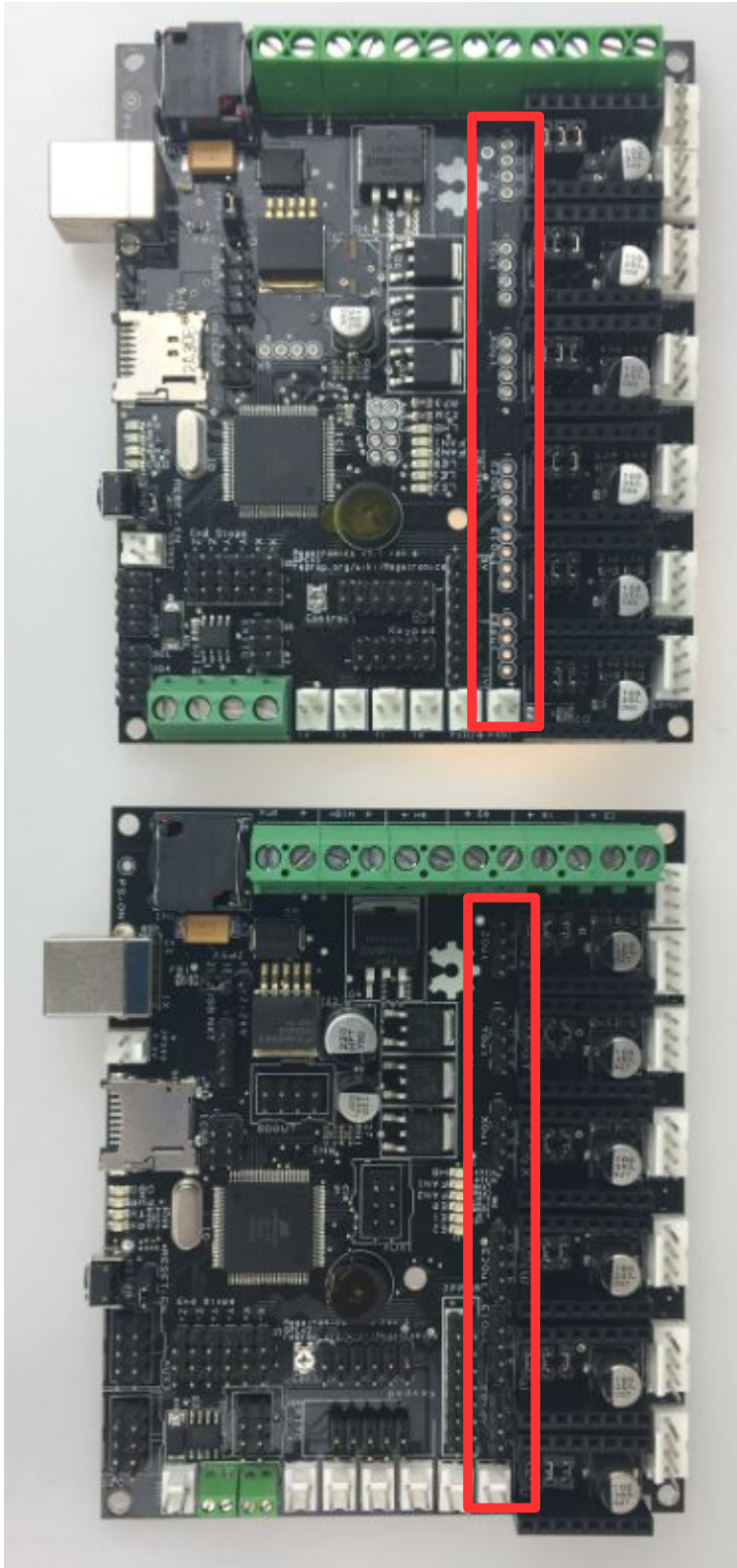
The boards feature the same Atmega2560 and the formfactor (incl the screw holes) remains the same.

The main difference on the 3.2 version is the addition of several connectors in places which were left open on the 3.1 version. Some of those connectors were re-routed for more optimal path to the Atmega2560. A addition is the Nexttion 4pin lcd header.

The screw terminals for the thermocouple were adjusted to a smaller size after suggestions from end-users. These connectors are smaller and more suitable for the always very thin wires on the thermocouples.

On the next pages the differences will be highlighted with red boxes.

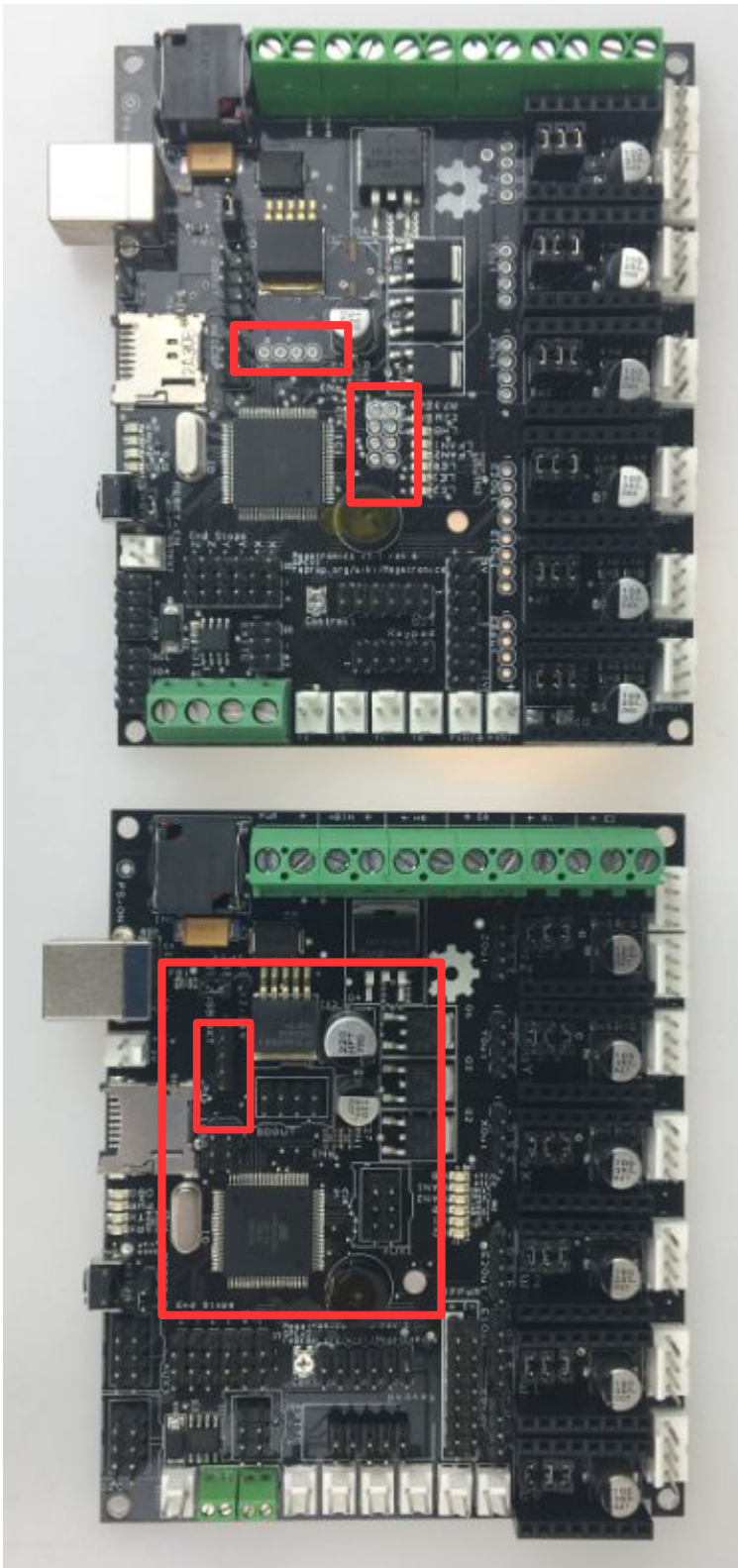
SIGNAL OUT HEADERS



Version 3.1 at the top, Version 3.2 at the bottom.

With the new version 3.2 the optional headers which were available on 3.1 are now occupied with a easy to use connector.

SIGNAL OUT HEADERS

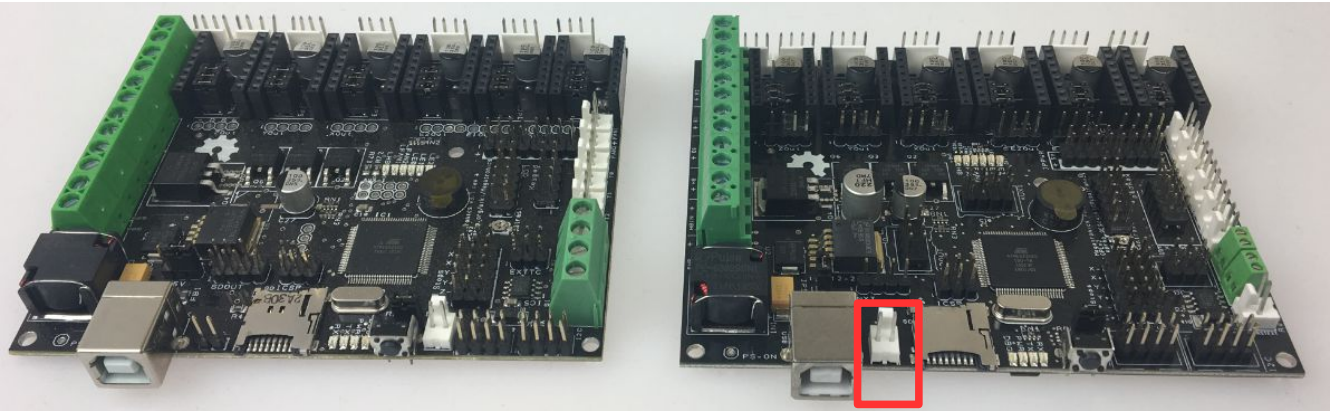


Version 3.1 at the top, Version 3.2 at the bottom.

With the new version 3.2 the headers on the center are slightly rearranged and occupied with a connector, allowing multiple sensors to be more easily connected on the version 3.2.

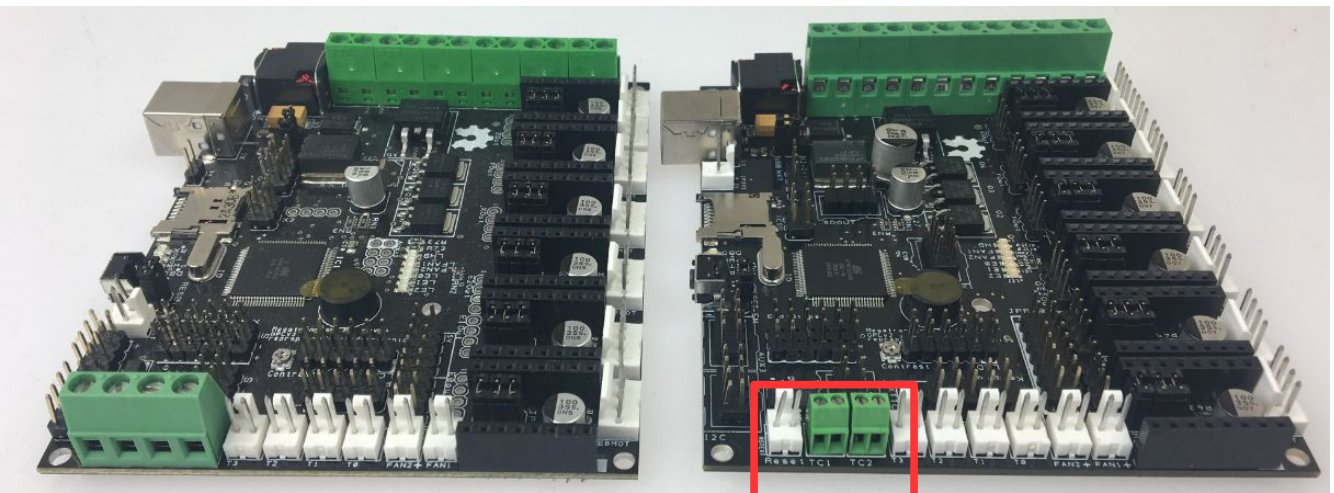
A addition is the Nextion 4pin LCD header.

CONNECTORS



Version 3.1 on the left, version 3.2 on the right.

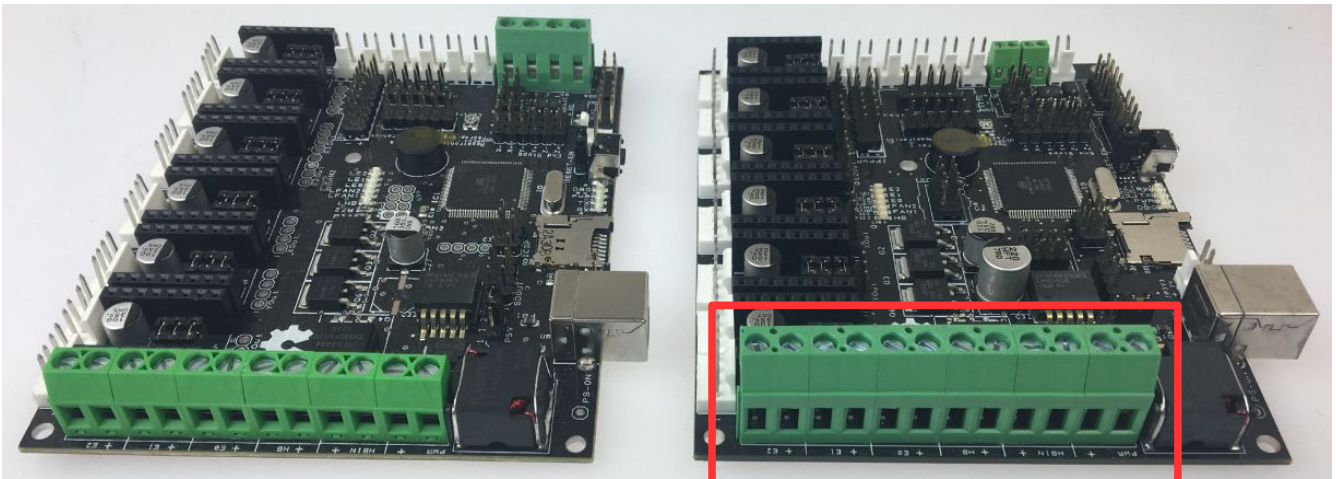
On the Version 3.2 the 3v header has been converted into a molex connector. The RS text header has been moved to the right side of the connectors.



Version 3.1 on the left, version 3.2 on the right.

On the version 3.2 the Rstext header is moved next to the Thermocouple headers. Which have been sized down after feedback and is now more suitable for the thin wires usually connected to the thermocouples.

CONNECTORS



Version 3.1 on the left, version 3.2 on the right.

The screw terminals of version 3.2 have been sized up to make them more usable with higher gauge wire.