The HELIOS heated bed is a PCB based 3D printing platform that uses copper traces as the heating element. It has the same hole patterns as the Prusa PCB Bed (209mmx209mm) so it is a drop in replacement for 200mm x 200mm build area beds. The overall dimensions has been increased to provide more space for the mounting holes and widen the power tracks supplying the traces. The PCB is 0.125" thick (2x that of the regular beds) to minimize warping and provide rigidity to allow mounting on 3 points only (easier to level!). Mounting the thick power wires is now easier by using wire terminals and secured by screws to the PCB.

Features:

- 1/8" thick Tg170 FR4 PCB RoHS
- 200mm x 200mm build area
- Countersunk mounting holes for totally flat surface
- Screw holes for wire connections
- Center pads for thermistor mounting with wire connections on the PCB edge
- Extra wide supply tracks to minimize voltage drops
- Multiple hole mounting configurations

Specifications:

Supply Voltage: 12VDC
Trace resistance: 1.1 ohms +/- 0.15 ohms
Current Drain: 11-13 Amperes (cold)

What's in the box:

1 x Helios Heated bed w/ LED
4 x M3 screw/washer/lock nut set
1 x Woven adhesive backed insulating strip
2 x Wire terminals
2 x #8 screw/washer/lock nut set

Bottom insulator install
(To minimize heat loss)

Cut insulator to about 8" strips, peel of backing and arrange on the bottom of the bed as shown. Apply pressure for an hour or until adhesive has set. Add kapton tape to the sides to secure the strips. Make sure surface is clean before placing strips, otherwise it may fall off when heat is applied.
Connection to thermistor pads at the bottom center of board

200mm x 200mm Build Area

226mm
209mm
104.75 mm
230mm
209mm