

# 3D printer PCB hot bed Mk2b 12/24 dual power 214x214mm Mk2a



## **Description:**

A heated build platform (HBP) improves printing quality by helping to prevent warping.

This unit features a central mounting hole on the front side to allow for three point mounting. This is much easier for bed leveling in comparison to 4 point mounting. First level the side with two holes and fix in place, then level the side with one hole. A glass plate is highly recommended to provide a truly flat surface and rigidity.

These beds have been etched directly from 35um copper clad, and not plated.

NOTE: This unit does not include pre-soldered resistors and LED.

## **Features:**

- 12v 24v power supply optional.
- Double panel, no side wiring, heating uniformity, print quality is smooth.
- Wiring, regardless of Plus-n-Minus, free connection.

## **Specifications:**

- Outside Diameter: 214mmx 214mm
- Dimensions (Heat Bed): 200mm x 200mm
- Laminate FR4 1.6+-0.15mm
- Power: 105W
- 2 layer, 35um copper
- Red Soldermask - both sides
- White Silkscreen - both sides
- Power Input: 12V or 24v
- Copper plated holes

## **Test Report:**

- Connect 12V

Current 9.8A, as the temperature increases, the current falls below 8.8A (Physics tips: resistance increases as the temperature change).

- Connect 24V

The theoretical maximum current is 5A

If you use 24V, this current is very large, MOS tube heat seriously, it is easy burned by the heat.

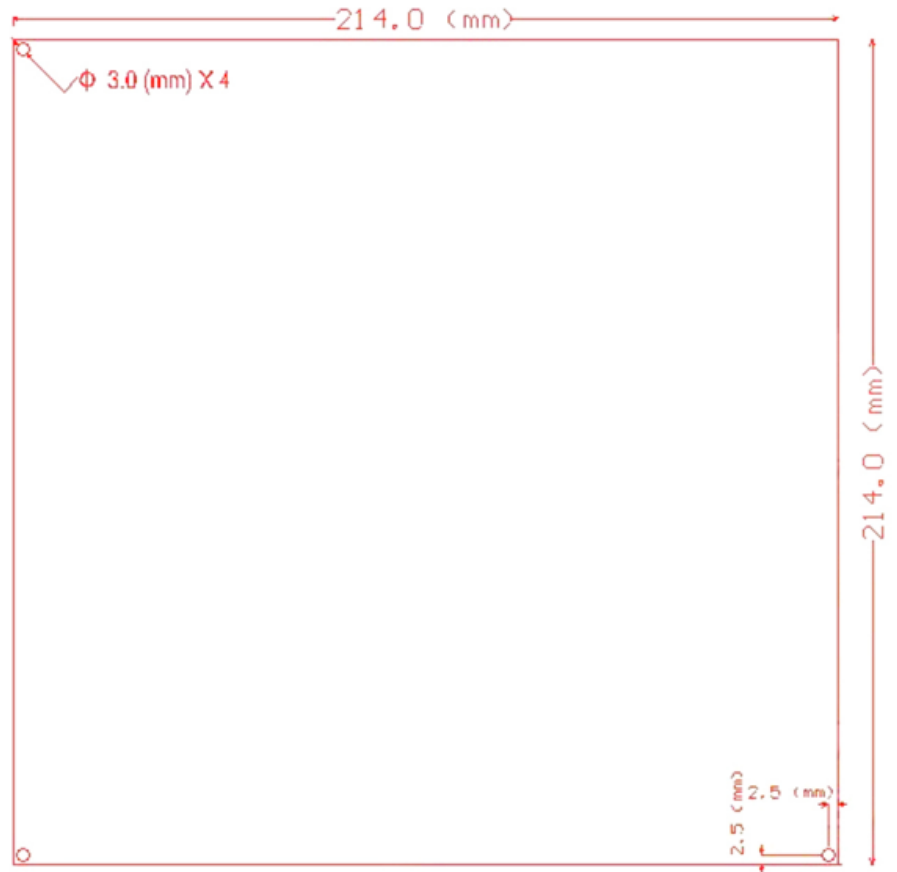
In addition to this, also consider if the power supply enough, power arrive 576W power is very expensive, if there is insufficient power, may affect the normal operation of the other equipment such as motors. Also note that the wire is thick enough for hot or become soft?

Latest version mk2b:

Latest version Mk2a mainly upgraded 12V 24V dual power supplies.

12V connection: a thread to 1, and another thread at the same time connect 2 3

24V connection: a thread to 2, a thread to 3 (1 vacant not answering)



*Made in China*