



## Kobra Max Case for RPI 3B and BTT SKT Mini E3 V3



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### Summary

Based on the Stock Metal case but made to fit a Raspberry Pi 3B, Buck Converter and Big Tree Tech SKR Mini E3 V3

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Every since upgrading my printer I haven't had a proper spot for the components so i figured id take the time to learn how to do model my own!

All mounting Holes are using knurled threaded inserts

Buck Converter and Main board and Case Lid are using M3x4x5mm inserts

RPI is using M2x4x3.5mm inserts

Fan was mounted with M3x12mm bolts

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Tried to make it as support free as possible.

Only thing I found I needed to use supports for were the outer tabs.

Couldn't use the Stock cover since the fan on it was way too big and it was hitting the Heatsinks on the Mainboard so i used the one off the original hot end fan.

Cheers!

Update 4/8/2023 8:05pm EST: So just realized the RPI usb ports and Ethernet port get covered by the aluminum extrusion so I have to made a revision. Will post one soon. Sorry about that!

Update 4/13/2023 : I uploaded a revised version to correct some issues I had with the RPI Ports being blocked by the Aluminum Extrusion and the Mainboards Ports being covered as well. Unfortunately I haven't been able to test print to update pictures and check fitments due to lack of being home to do so. As soon as I get a chance too this weekend I hope to do just that!

Update 1/7/2024 : I have been unable to work on this since due to personal reasons. I've uploaded the Step files for anyone wanting to improve the design. Apologize for letting this sit for so long.

## Model files



**kobra-max-board-case-lid.stl**



**kobra-max-board-case.stl**

☐ Revised\_Version



**kobra-max-board-case.3mf**



**kobra-max-board-case-and-lid.step**

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