

# Rat Rig V-Core 3 Frame Mount Electronics Brackets



NecroDavid

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## Summary

Mount your electronics directly to 3030 aluminum extrusions without a panel.

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Tags: [3030](#) [electronics](#) [corexy](#) [vcore](#) [ratrig](#) [vcore3](#)  
[ratrigvcore3](#) [3030framemount](#)

These parts are for people building the Rat Rig V-Core 3 without an electronics panel. No supports or rafts required. All parts except the LM2596 bracket can be mounted to 3030 aluminum extrusions with M6 bolts and corresponding T nuts. LM2596 bracket use M5 bolts and T nuts. The LM2596, Octopus Pro and its fan mount require the use of M3 brass inserts with 4mm outer diameter.

Hardware BOM:

Large PSU - 3x M6x12mm bolts, 3x 3030 M6 T-nuts, 4x M4x5mm bolts

Small PSU - 2x M6x12mm bolts, 2x 3030 M6 T-nuts, 3x M3x8mm bolts

Raspberry Pi - 2x M6x12mm bolts, 2x 3030 M6 T-nuts, 4x stock RPi self-tapping screws

BTT Octopus/Octopus Pro - 3x M6x12mm bolts, 3x 3030 M6 T-nuts, 4x M3x6mm bolts, 4x M3 4mm threaded inserts

LM2596 Buck Converter - 1x M5x12mm bolt, 1x 3030 M5 T-nut, 2x M3x6mm bolts, 2x M3 4mm threaded inserts

RPi Fan - 2x M6x12mm bolts, 2x 3030 M6 T-nuts, 4x generic PC fan screws

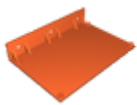
Octopus Fan: 2x M6x12mm bolts, 2x 3030 M6 T-nuts, 2x M3x30mm bolts, 2x M3 4mm threaded inserts

## Model files



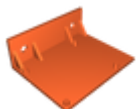
### STL files

7 files



#### octopus-pro-10-brass-insert-3030-mount.stl

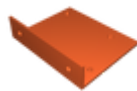
☐ Octopus Pro: M3x4mm brass inserts and M3x6mm bolts. Bracket: M6x12mm bolts and 3030 M6 T-nuts



#### rpi-4b-direct-tap-3030-mount.stl

☐ RPi 4B: stock RPi screws. Bracket: M6x12mm bolts and 3030 M6 T-nuts

#### universal-psu-bracket-3030.stl



#### small-psu-3030-mount.stl

☐ Small PSU: M3x8mm bolts. Bracket: M6x12mm bolts and 3030 M6 T-nuts



#### lm2596-brass-insert-3030-mount.stl

☐ LM2596: M3x4mm brass inserts and M3x6mm bolts. Bracket: M5x12mm bolts and 3030 M5 T-nuts



### **rpi-40mm-fan-3030-mount.stl**

☐ 40mm fan: generic fan screws. Bracket: M6x12mm bolts and 3030 M6 T-nuts



### **octopus-pro-10-120mm-fan-brass-insert-3030-mount.stl**

☐ 120mm fan: M3x4mm brass inserts and M3x30mm bolts. Bracket: M6x12mm bolts and 3030 M6 T-nuts

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