



EVA 3 / BTT EB42 Mount

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Summary

This is mount for a BigTreeTech EBB42 Canbus board for an EVA V3 extruder with 40mm print cooling fan duct.



2.38 hrs



1 pcs



0.20 mm



0.40 mm



PET



20 g



Prusa
MK3/S/S+

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A mount for a Big Tree Tech EBB42 CAN Bus board, to mount on the EVA V3 extruder (only when using 40mm print cooling fan duct).

For my setup, i'm using an Orbiter 2.0 extruder, should fit with other extruders also, but might be tight.

The mount attaches in two places. Firstly, to the existing EVA extruder mounting point for the cable mount/strain relief. Secondly, it mounts to the 40mm Fan Duct, in between the fan and the duct. This makes for a good solid mount.

The EBB42 board attaches to the mount - I have made the model to accept four 3mm heatset (4mm x 4.6mmOD) nuts for mounting the board.

The mount has a cable mount above the EBB CAN IN socket with two cable tie positions. It also has a hole on the back to accept a piece of 3mm nylon filament to use to stiffen the cable bundle.

Print in PETG or similar, 0.2mm 3+ perimeters.

Best printed on the side with paint-on supports as needed (including inside the fan mount portion).

Have also provided STL for a fan gasket that you can print in TPU to sandwich between the mount / fan duct (and or fan), if needed.

Model files



ebb42mount.stl



fan-gaskett.stl

☐ Optinal gaskett, print in TPU with minimal infill

Print files



ebb42mount_02mm_petg_mk3s_2h23m.gcode

PET 0.40 mm 0.20 mm 2.38 hrs 20 g Prusa MK3/S/S+

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