



## HevORT: Duet 3, Raspberry Pi and Fan Mounts on 35mm DIN Rails

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### Summary

Mount for Duet3 board, Raspberry Pi, 92mm and 80mm fans on DIN Rails. Designed for the HevORT printer

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[raspi](#) [din](#) [duet3](#) [hevort](#)

Hello everybody,  
these are mounts for a Duet 3 board, a Raspberry Pi, a 80mm and 92mm Fan.  
I use a Raspi 4 and fans from BeQuiet!. But other models should fit as well.  
The entire asselby is about 35cm long.  
So make sure that 35mm DIN Rails fit in your Printer.  
(For reference: My 365x365 HevORT requires 50cm DIN Rails)  
The mounts clip on standard 35mm DIN Rails.  
All clips are designed to hold very thight on the DIN Rails.  
Additional force can be applied by tensioning the clips with M3 screws, but this should not be required.  
The clips also offer lots of opportunity for cable management under the boards and Fans.

I added some pictures from different stages of my HevORT build to provide some examples.

**Additional Parts required:**

**- DIN Rails**

2x standard 35mm DIN Rails, min 35cm long

**-Fan mounts:**

3x M3x8 screws and 3x M3 nuts each. Longer ones will fit as well.

4x Standard screws delivered with your Fan (otherwise M4x30 or longer should work + 4x M4 nuts)

**-Duet 3:**

4x M4 Screws. They should be no longer than 14mm. Shorter is OK.

**-Raspberry Pi:**

Use the standard screws delivered with our Raspi.

These are standard screws you might also use in your PC.

I measured the thread at 2.4x3.8mm. So probably M2.5x4mm screws

**-Optional Parts:**

M3x8 screws (10pcs) to tension the clips which snap on the DIN Rail (M3x6 to M3x10 should work as well)

**Print Settings:**

The design was developed with PETG. PLA might be too brittle. The clips might break off if made of PLA.

Two perimeters are sufficient. Infill can be chosen low.

There are no supports required. If you feel like you need supports the orientation on the printbed might be incorrect.

**Files:**

All files are available as .STL and .STEP

All designs were created in OnShape and are made public:

<https://cad.onshape.com/documents/7233f4ec7b52ea6d48da4a3a/w/c558074afb80e1e8027f35f0/e/298820a80fa97e2cf296f2f4>

There is more stuff in this OnShape project which I will publish later. Also unused / mirrored / untested designs, so be careful to choose the right part.

Feel free to create a copy, remix and upload it. Just reference the original design (this post).

The clip design took inspiration from RobertHunt's work (Thing #101024 on Thingiverse) but was completely redesigned.

Best Regards,

Mike

## Model files



**duet3\_din\_rail\_mount.stl**

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**raspi\_din-rail\_mount.stl**

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**92mm\_fan\_upper\_part.stl**

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**92mm\_fan\_lower\_part.stl**

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**80mm\_fan\_upper\_part.stl**

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**80mm\_fan\_lower\_part.stl**

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**duet3\_din\_rail\_mount.step**

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**raspi\_din\_rail\_mount.step**

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**92mm\_fan\_upper\_part.step**

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**92mm\_fan\_lower\_part.step**

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**80mm\_fan\_upper\_part.step**



**80mm\_fan\_lower\_part.step**

[Find source .stl files on Thingiverse.com](#)

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