



Anycubic Photon Printable Resin Tray



rsilvers

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updated 17. 5. 2022 | published 17. 5. 2022

Summary

Print this upside down. When you print the retainer, make sure the tapers on the holes are up. Use 100% infill for the...

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Print this upside down. When you print the retainer, make sure the tapers on the holes are up. Use 100% infill for the retainer but the main part could be 20% or more.

BOM:

1 Frame - \$2.71 with 30% infill and \$20 per KG.

1 RetainerA - \$0.60 of PLA at 100% infill.

1 RetainerB - \$0.60 of PLA at 100% infill.

8 M3x16mm flat-head screws. 14 or 18mm will also work.

Philips (way cheaper):

[https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?
ie=UTF8&tag=httpwww300blk-20&keywords=/
B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c](https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?ie=UTF8&tag=httpwww300blk-20&keywords=/B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c)

Socket:

McMaster 92125A134

<https://www.mcmaster.com/catalog/125/3135>

24 M3x10mm flat-head screws.

Amazon:

[https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?
ie=UTF8&tag=httpwww300blk-20&keywords=/
B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c](https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?ie=UTF8&tag=httpwww300blk-20&keywords=/B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c)
[https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?
ie=UTF8&tag=httpwww300blk-20&keywords=/
B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c](https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?ie=UTF8&tag=httpwww300blk-20&keywords=/B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c)

McMaster :

91294A130 or 92125A130

Also consider parts from www.boltdepot.com

Need 32 of M3 brass inserts that are 4.1mm OD and 3mm long.

[https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?
ie=UTF8&tag=httpwww300blk-20&keywords=/
B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c](https://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_tl?ie=UTF8&tag=httpwww300blk-20&keywords=/B000NHVQXU&index=aps&camp=1789&creative=9325&linkCode=ur2&linkId=8e009c)

I am not sure how liquid-tight PLA is, but you could always apply a layer of resin to it, and then cure that into the PLA to form a seal. Or dip or spray with Polyurethane.

This will use \$3.50 of filament if you pay \$20 per KG.

I am using PLA because it is the stiffest and has the least warp. You can spray it with clear paint to seal it.

Category: 3D Printer Parts

Model files



printabletray.step



printabletraytensiongauge.stl



printabletray.stl



printabletrayfepretainerb.stl



printabletrayfepretainerb.step



printabletrayfepretainera.stl

Other files



bom.txt

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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