



Pop-up wallet

 TechLabs

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Summary

This is a slim card holder with a lever for popping up the cards

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This is a slim card holder with a lever for popping up the cards.

There are several other similar designs, but many of them use too much material, integrate too many features or consist of too many parts, this model was made to use as little material as possible yet providing enough structural integrity to keep the cards in place.

It's see through front and back makes it easy to store the two most used cards in the pocket so you can reach for a card from either side of the wallet without pulling it out from your pocket. For all those equally important but not as used cards, the pop up lever tiles them up for easy access.

Instructions:

The pictured model was printed in 0.2 resolution, the case is only shells, the pin was printed with 15% infill, three top and bottom layers.

The shell and the lever prints great without supports standing up.

Make sure your printer has good layer adhesion and a part cooling fan.

This wallet was printed on an old printbot play, I'm sure yours is up to the task.

After the print, cut a piece of filament to use as an axle for the lever (nylon in the picture).

I used a lighter to melt the filament ends and a regular knife to push the melted filament ends into end stubs, stopping the axle from falling out.

Model files



wallet_lever.3mf



wallet_case.3mf

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