PD multipackage PDs multipackage

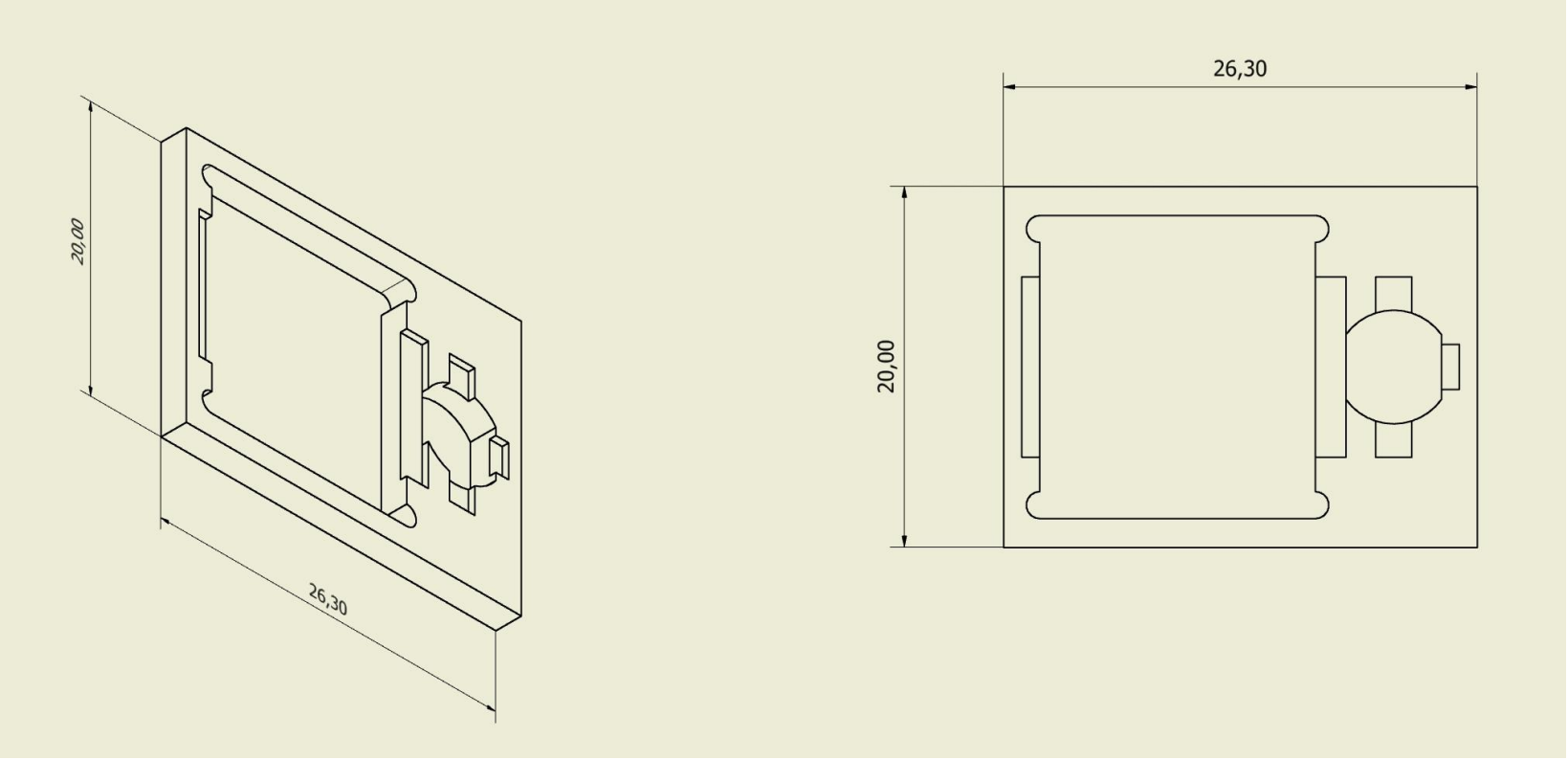
HOMEMADE PROTOTYPE

First prototype

Requirements:

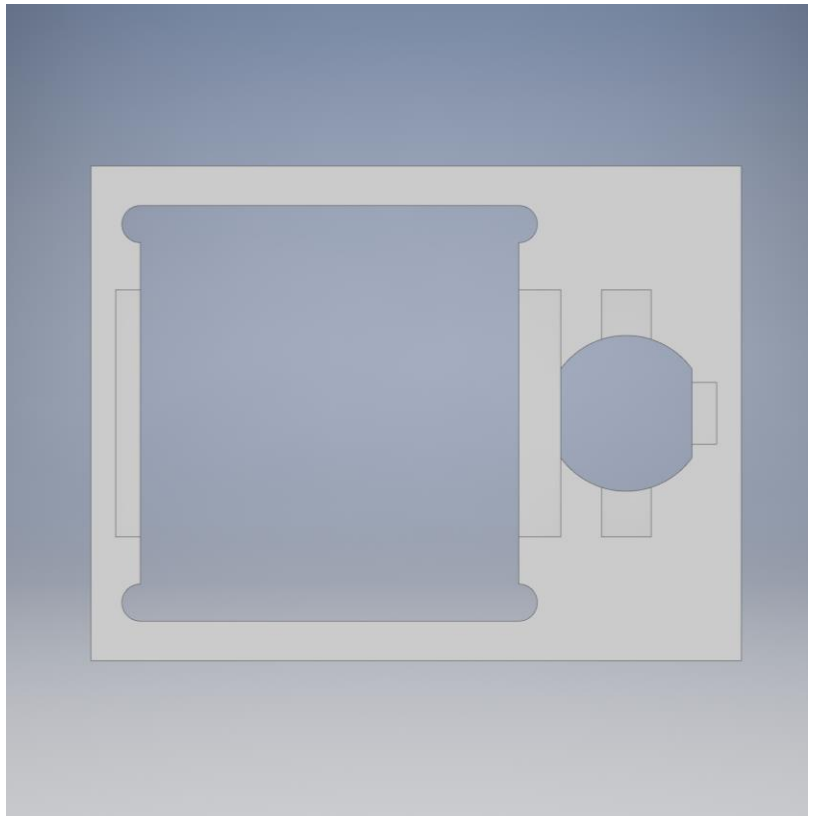
- Single package for two PDs
- Minimal possible size
- Thickness less than 2 mm
- Mechanical durability
- PD’s windows planarity
- Can be used for small scale production and application

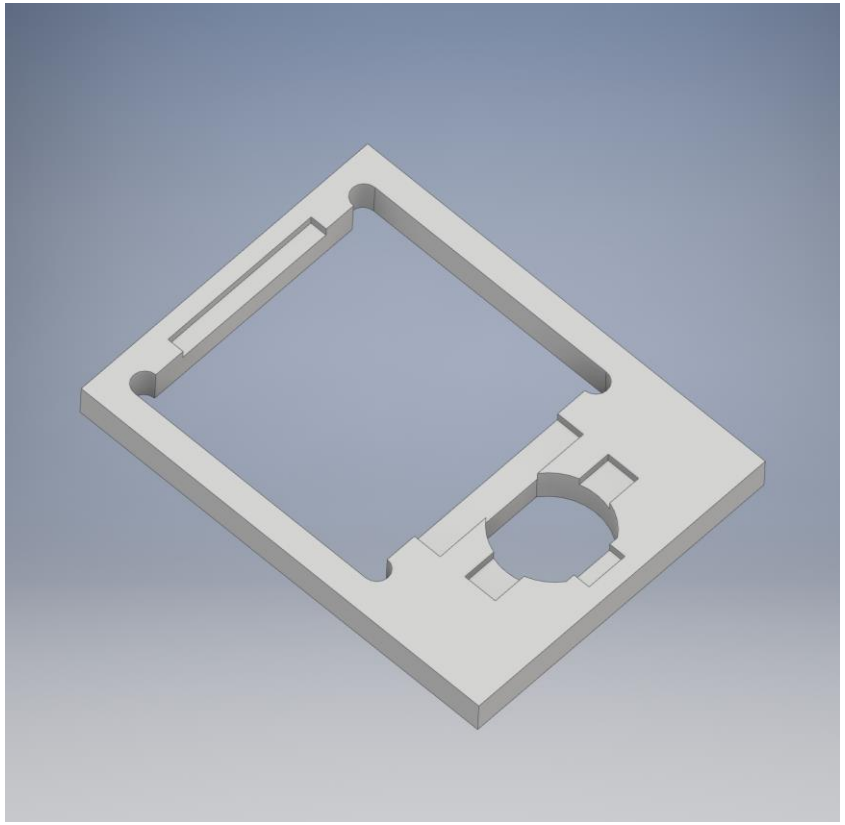
First prototype



First prototype

Project

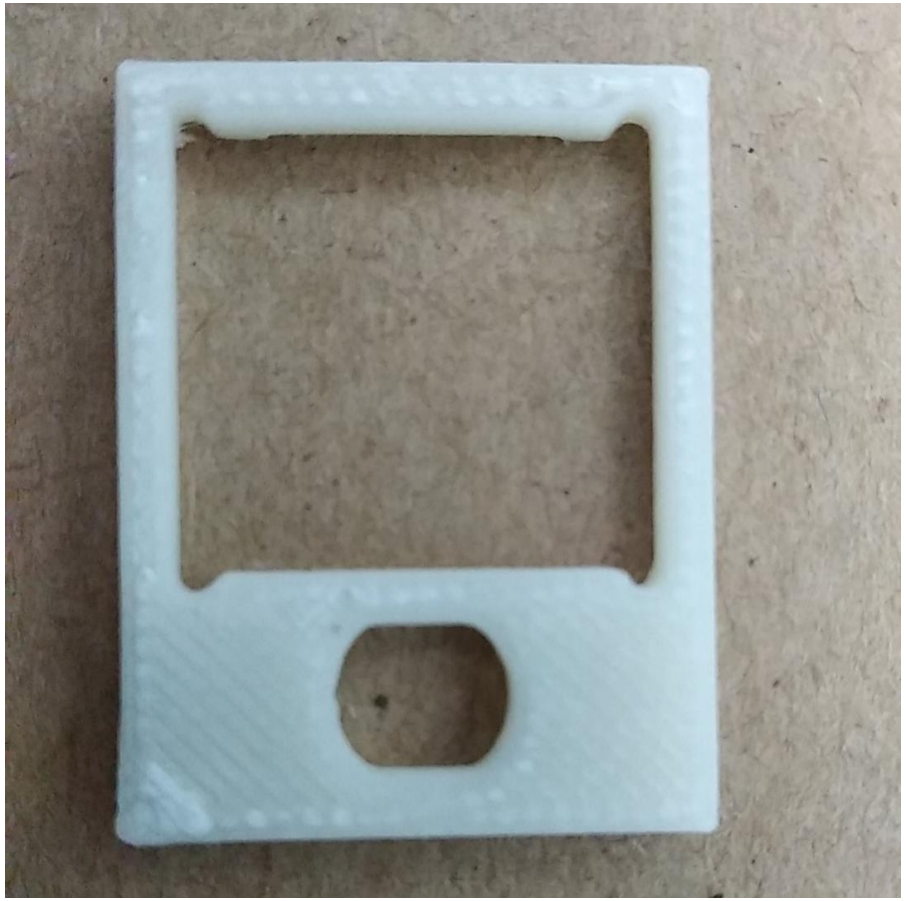




First prototype

Prototype.

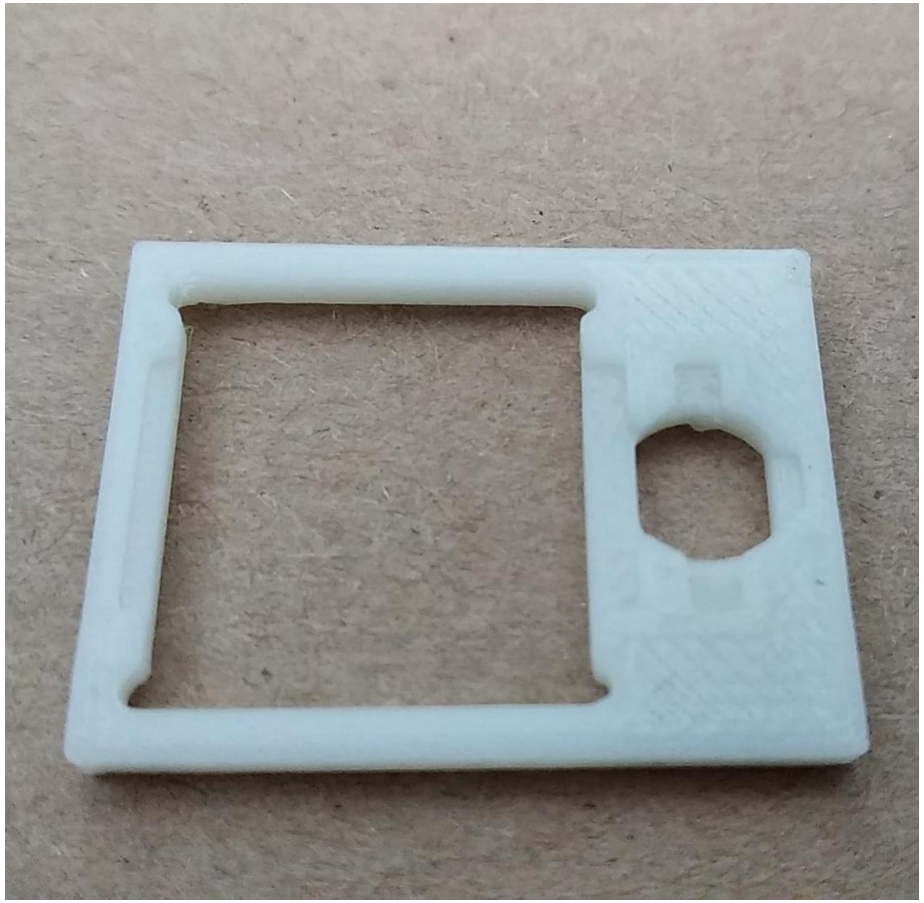
- Printed with 3D printer
- Not very precise



First prototype

Prototype.

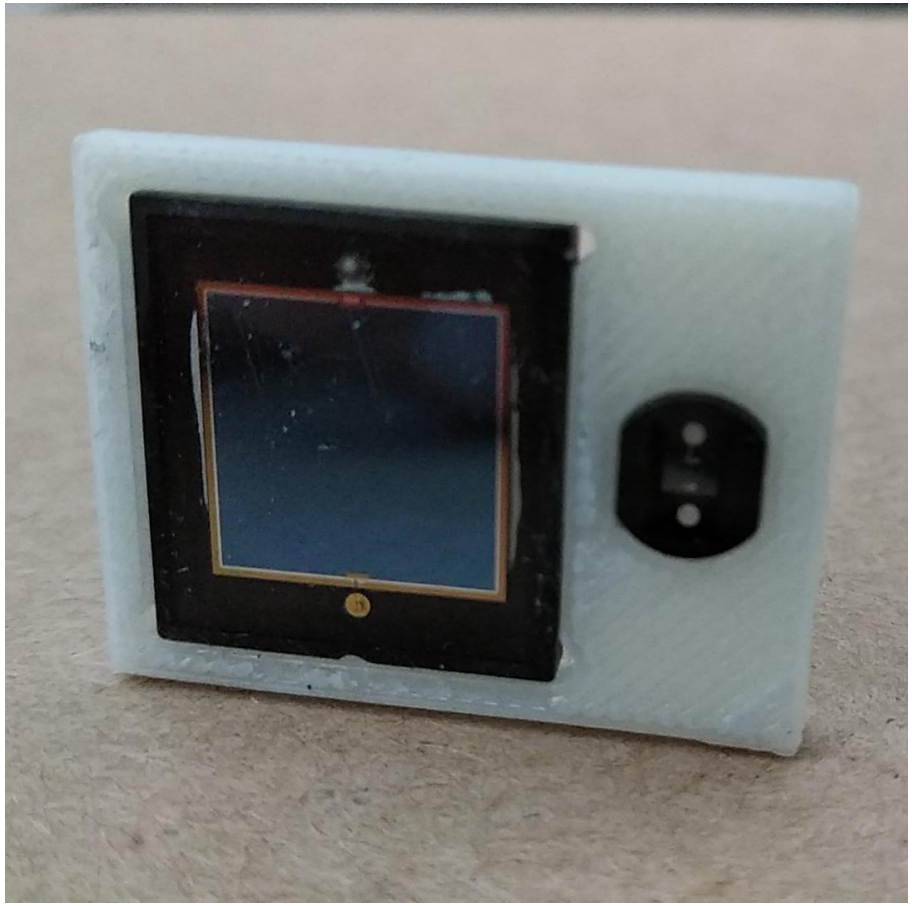
- Printed with 3D printer
- Not very precise
- Manual finishing is needed



First prototype

Prototype.

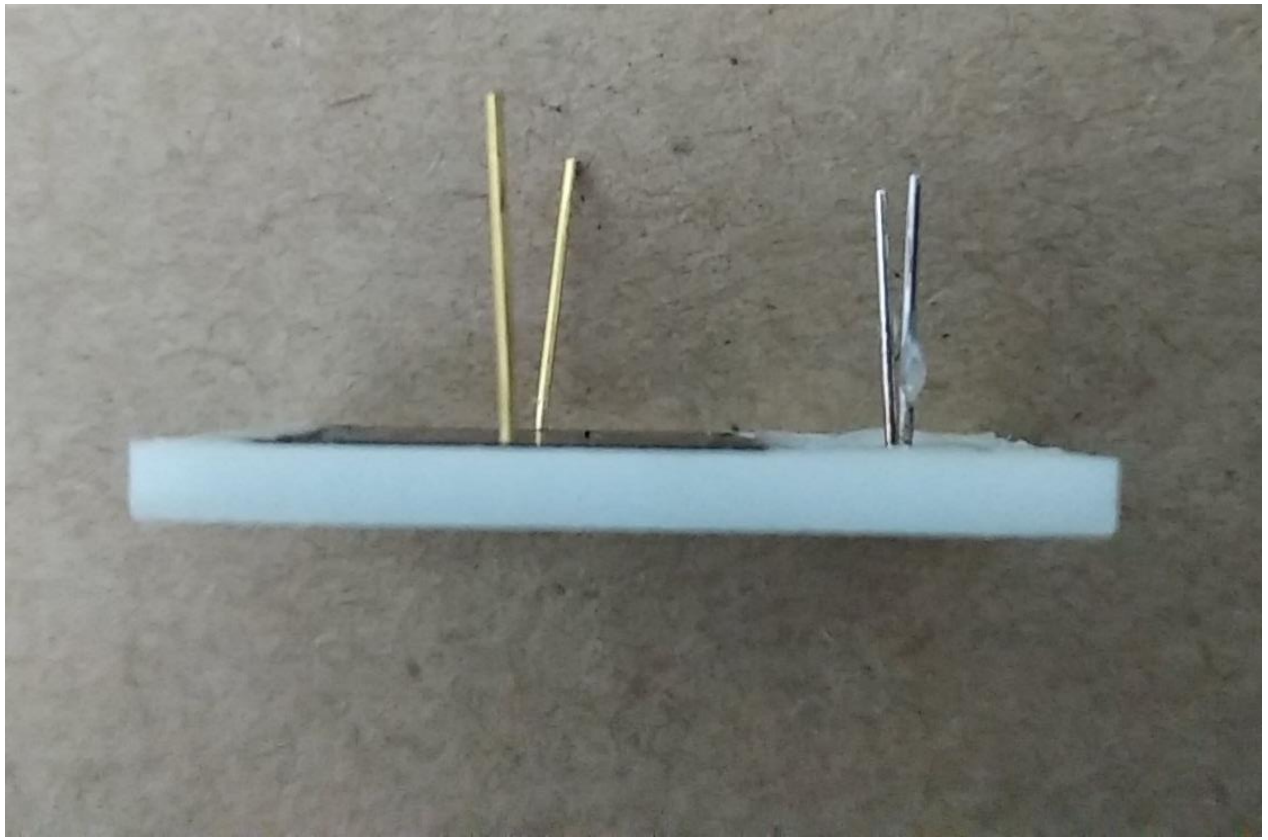
- Printed with 3D printer
- Not very precise
- Manual finishing is needed
- Fits well both PDs



First prototype

Prototype.

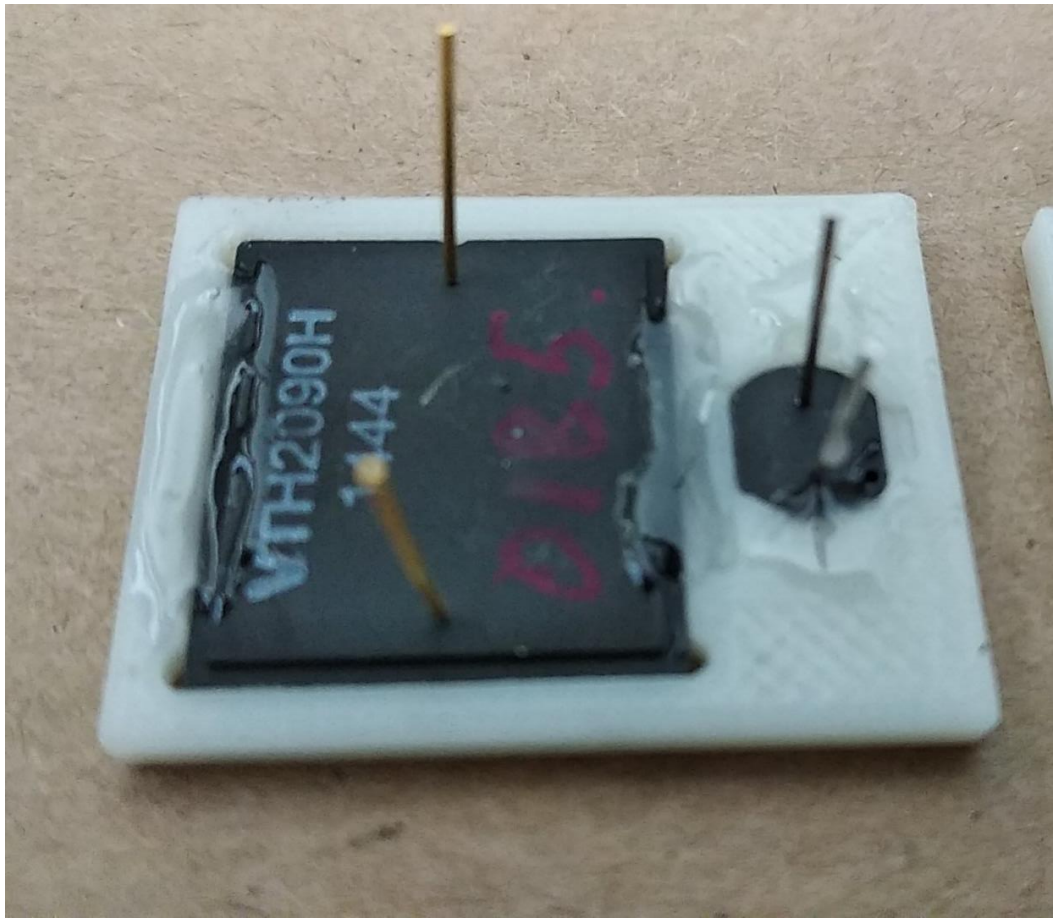
- Printed with 3D printer
- Not very precise
- Manual finishing is needed
- Fits well both PDs
- Provides planarity (flat surface is needed for assembly)



First prototype

Prototype.

- Printed with 3D printer
- Not very precise
- Manual finishing is needed
- Fits well both PDs
- Provides planarity (flat surface is needed for assembly)
- PDs can be fixed with epoxy strong enough for further gluing to the crystal



First prototype

Prototype.

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- Not very precise
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- Fits well both PDs
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This model can be used for small scale production and assembly

First prototype

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Next prototype for the new large PD is under development