

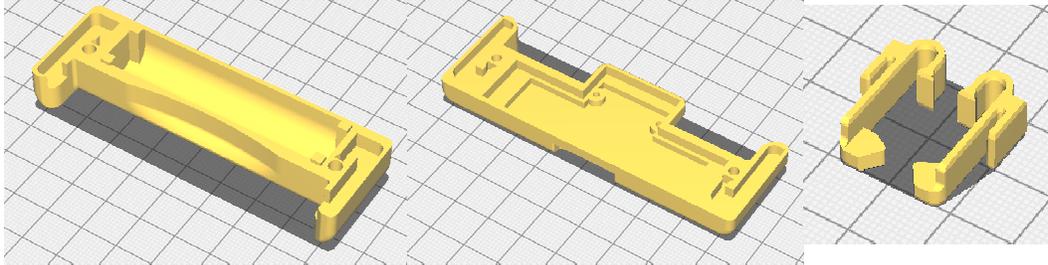
Serial-Attached SD (SASD) - Case3D Printing guide

The case for the [Dmitry's SASD](#) was designed to be easily 3D printed. The design has sufficient tolerance to be able to be successfully printed on even cheap hobby-grade 3D printers.

- The STL 3D files provided are designed to be ready-to-use on all 3D printer types.
- The STEP CAD files are also provided if you wish to modify the design in some way before printing.

If you have access to an 3D printer, the following tips may be useful.

1. **Printing Orientation:** The parts are designed to be printed with the internal cavity face up.



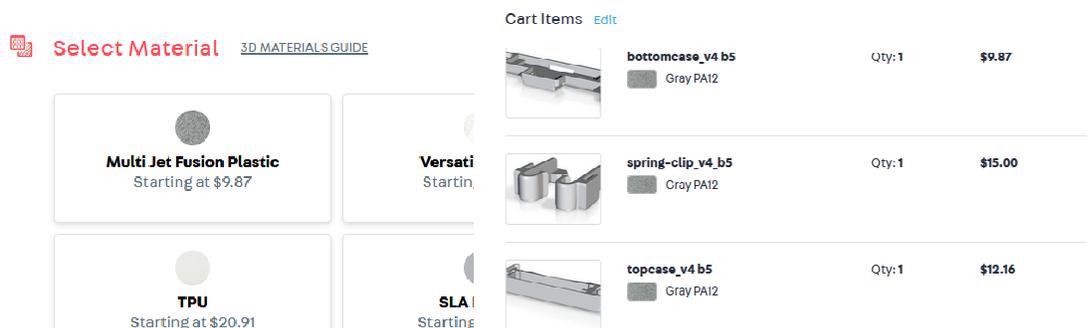
2. **Print Settings:**

- a. A layer height of 0.10mm to 0.20mm is suggested.
- b. A part cooling fan is recommended during printing
- c. On most FDM printers, these parts can be printed *without* support materials.
- d. PLA is recommended, but most low-warping printing materials should be suitable.

If you do not have a 3D printer, then another option is to use a 3D printing service.

- a) Shapeways

- <https://www.shapeways.com/>
- Recommended material: Multi Jet Fusion Plastic, in Nylon PA12.



The screenshot shows the Shapeways material selection interface. On the left, there are four material options: Multi Jet Fusion Plastic (Starting at \$9.87), Versati (Starting at \$12.16), TPU (Starting at \$20.91), and SLA (Starting at \$12.16). On the right, a 'Cart Items' section lists three items: 'bottomcase_v4_b5' (Gray PA12, Qty: 1, \$9.87), 'spring-clip_v4_b5' (Gray PA12, Qty: 1, \$15.00), and 'topcase_v4_b5' (Gray PA12, Qty: 1, \$12.16).

- b) <https://www.sculpteo.com/en/services/online-3d-printing-service/>
- c) <https://www.protolabs.com/services/3d-printing/>