



SLS / FDM Electric Violin!



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VIEW IN BROWSER

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Summary

3D printable SLS / FDM Electric Violin: budget-friendly, fully playable, customizable design with pickup compatibility!

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Tags: [music](#) [customizable](#) [electric](#) [printable](#) [violin](#)
[instrument](#) [amp](#) [playable](#) [accessible](#) [budget](#)

Full page at my website: <https://www.daviddi-benedetto.com/sls-electric-violin>

This violin is designed for two purposes:

As a Christmas gift for my younger brother, Daniel, who is an avid musician in my hometown's high school orchestra.

As a cost-effective alternative to traditional violins. The 3rd Generation of the violin is roughly \$60 to build (without pickups), while an electric equivalent is roughly \$140. I hope this will make music more accessible to students in the future!

I made this violin entirely in Solidworks and it is completely finished for FDM and SLS printing alongside being fully playable and capable of being rigged with pickups!

Model files



SLS Violin Model

2 files

electric-violin-tiw-sls.stl



electric-violin-tiw-sls-version.sldprt



FDM Violin Files

3 files

electric-violin-fdm-top-tiw.stl

electric-violin-fdm-bottom-tiw.stl



electric-violin-fdm-tiw-version.sldprt

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