



Sim Gokart Vesc Throttle pedal



Wojtek

VIEW IN BROWSER

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Summary

Throttle pedal based on potentiometer to be able to control motor power via ADC output. VESC / Sim compatible

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[simpedal](#)

I am building Vesc based Gokart and I needed throttle pedal based on potentiometer to be able to control motor power via ADC output. Inspired by all Sim pedal designs I was able to find. Everything is easy to print and is requiring minimal amount of support. As a dampener I used "**140mm Aluminum Shock Absorber Damper for rc car 1/8 buggy truck**" from aliexpress.

Designed in Onshape so source is available here: <https://cad.onshape.com/documents/05d86fd91e5db0e08ada2618/w/f803ea5f813744a334a670ec/e/560fadf59926a506c315453a>

Model files



pedalassembly.stl



pedal.stl



pedalbase.stl



pedalplate.stl



potentiometergear-20-teeth.stl



pedalgear-160-teeth.stl



connectorcase.stl

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