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MATERIAL SELECTION

The strength and durability of the pedals largely depend on the material used. High-quality filaments such as PLA offer excellent strength and resilience, making the pedals capable of withstanding significant pressure and stress. [Here are recommendations for printing 3D solid parts](#).



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DESIGN OPTIMIZATION

3D printing allows for intricate designs with optimized geometry. This means that the **3D printed sim pedals** is designed with reinforced structures that provide additional strength without adding excessive weight. The longest part that need to be printed is 220mm.

CUSTOMIZATION AND MAINTENANCE

One advantage of 3D printing is the ease of maintenance and customization. If a part of the pedal wears out or breaks, it can be easily reprinted and replaced. This ensures the overall durability of the pedal system is maintained over time.

ELECTRONICS

This pedal unit is designed for use with an Arduino Pro Micro board and a potentiometer for each pedal.

The Arduino sketch and the wiring diagram are included in the file.