



Makita Battery Cleat and Insert

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Summary

A key part to create a Universal Battery System to turn any electrical appliance into a Makita powered device.

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The download contains two STL files to be used for 3D printing:

1. The main part that the battery locks into: cleat_minimal.stl
2. The insert that shims the replacement terminal in place: cleat_minimal_insert.stl

In order to complete your own safe MakitaModification, you will need these other components:

Makita replacement terminal : This component connects to the battery to get the juice out.

Step Down Regulator: This converts the 18V input power from the Makita battery to the required voltage of your device. We recommend **Polulu** step down regulators; find the correct voltage output and amps combination needed for your conversion. For example, LED lighting typically uses 5v/ 0.6amp.

On/Off Switch: To efficiently use your assembly, include a switch so you can easily decide when to use power instead of having to take the battery out every time.

Partsbuilt3d Battery Protection Board : It's best Studio practice to include a protection board in case you leave your battery on and it overdischarges. We recommend using this 3.5 amp "blinker board"; but there are also 10 amp versions that work for this purpose.

Be responsible when using this part.

Model files



cleat_minimal.stl



cleat_minimal_insert.stl

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