**Datasheet Research:**

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**Stepper Motor:**

StepperOnline: <https://pdf1.alldatasheet.com/datasheet-pdf/view/1142283/STEPPERONLINE/17HS15-1504S-X1.html>

Stepping Motor:

<https://pdf1.alldatasheet.com/datasheet-pdf/view/1131976/MOTIONKING/17HS4401.html>

**ESP32:**

<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwiki.dfrobot.com%2FFireBeetle_ESP32_IOT_Microcontroller%2528V3.0%2529__Supports_Wi-Fi_%26_Bluetooth__SKU__DFR0478&psig=AOvVaw3ykV8oiCXuzxq9Qqytwm3e&ust=1678296729468000&source=images&cd=vfe&ved=0CBAQjRxqFwoTCNjhu9Wsyv0CFQAAAAAdAAAAABAF>

**5V convertors:**

<https://www.ti.com/lit/ds/symlink/lm2586.pdf?ts=1678374091867&ref_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FLM2586%253Futm_source%253Dgoogle%2526utm_medium%253Dcpc%2526utm_campaign%253Dapp-bmc-null-prodfolderdynamic-cpc-pf-google-wwe_int%2526utm_content%253Dprodfolddynamic%2526ds_k%253DDYNAMIC%2BSEARCH%2BADS%2526DCM%253Dyes%2526gclid%253DCj0KCQiApKagBhC1ARIsAFc7Mc6W2mJHbRyE0vGn4yiTeLWkqpJg16jZ63nMo313TvSM2aSqEhJNKXEaAgKoEALw_wcB%2526gclsrc%253Daw.ds>

**Laser lider:**

<https://www.waveshare.com/wiki/Triangulation_LiDAR_LD14>

**Drivers:**

<https://www.ti.com/lit/ds/symlink/drv8825.pdf?ts=1678330577171>

**Free wheel:**

Diameter: 2 cm

Bolt separation: 4 cm

**Battery:**

<https://www.ampow.com/collections/ampow-eu-warehouse-batteries/products/ovonic-50c-2200mah-3s1p-11-1v-xt60-2pcs-lipo-battery?variant=34758243188892>