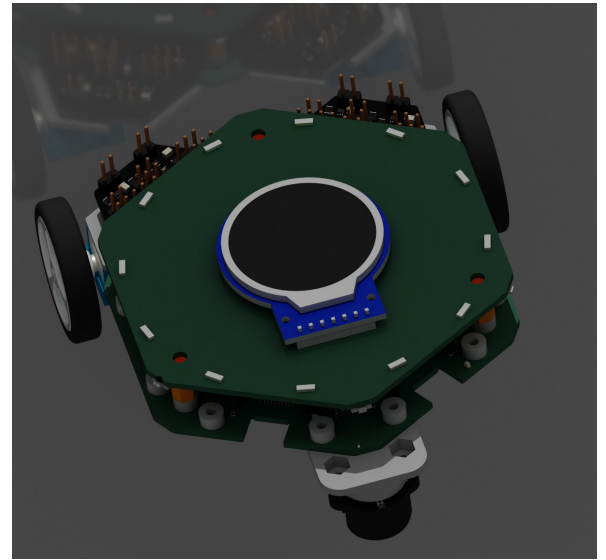


BadgeBot

Turn your EMF 2024+ Badge into a Robot!

Using the RobotMad Hex-Drive Hexansion, and 3D printed motor mounts.

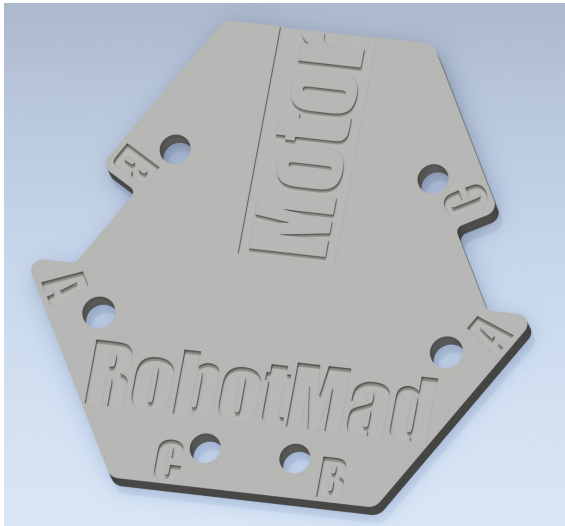


Designed for n20 micro gear motors, Pololu 32mm wheels, and ball caster.

<https://www.pololu.com/category/60/micro-metal-gearmotors>

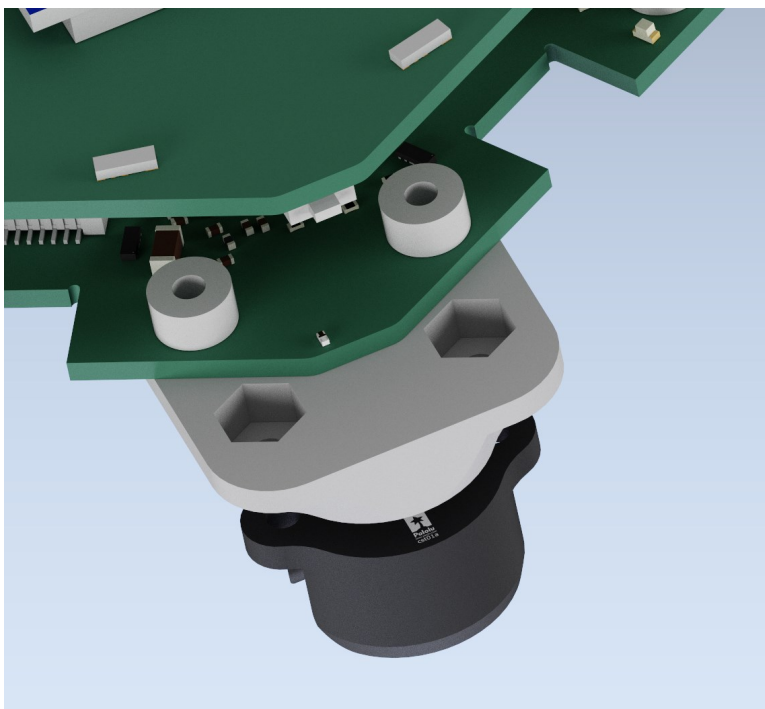
<https://www.pololu.com/product/952>

<https://www.pololu.com/product/1088>



Mount the system to the underside of your badge using one pair of m2 mounting holes, pair A for the motor pointing straight out the side. Pair B or C for angled motor mounting, this will include one of the motor mount top part holes and will need a longer m2 bolt.

The ball caster mounts across a corner of the badge using the adjacent hexansion mounts.



Here is an example of a motor mount set up using the C pair of holes lined up with the expansion mounting holes of the badge, while one bolt also holds the motor mount.

