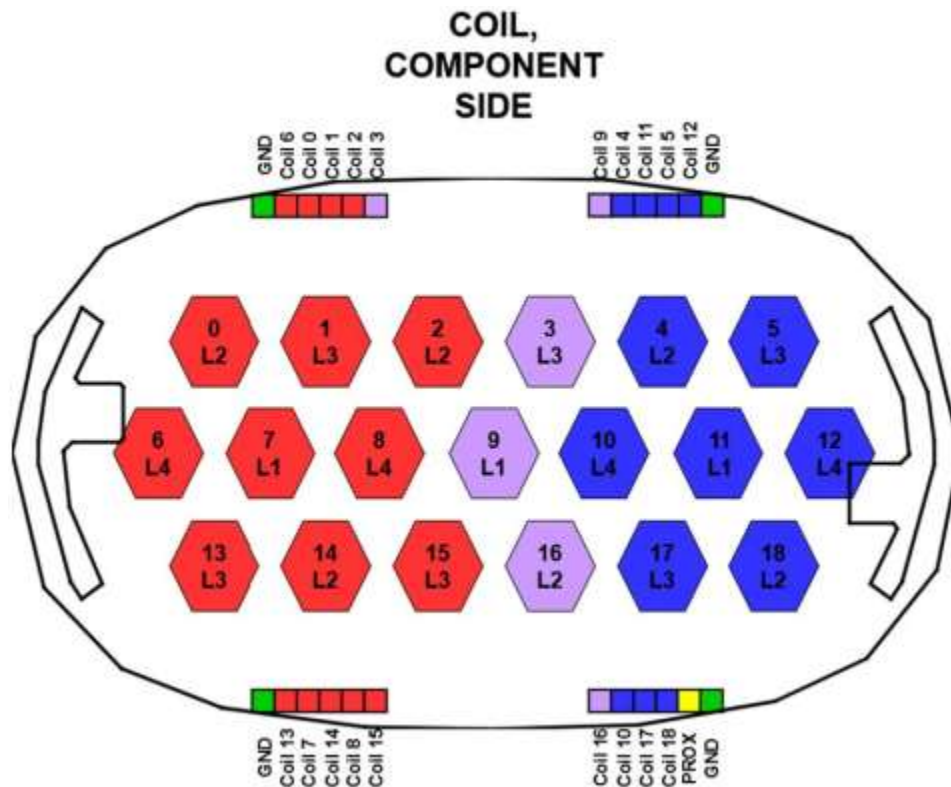
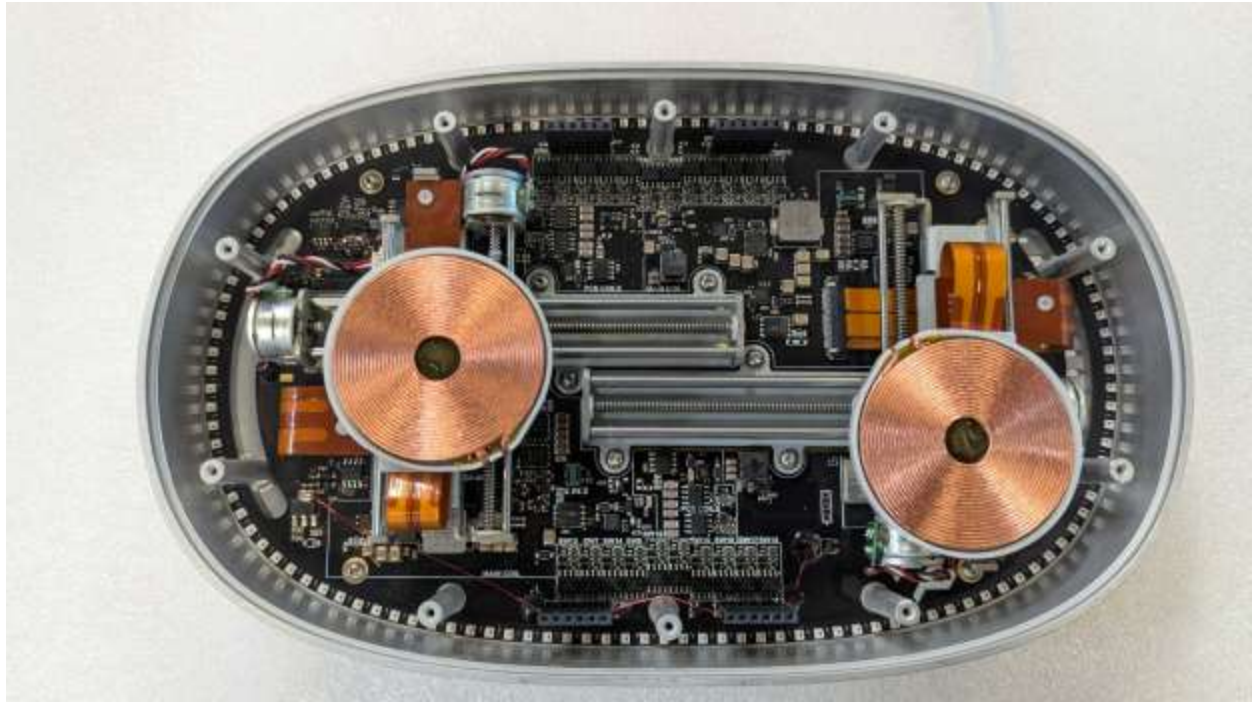


Aira, Countertop Wireless Charging Platform, “antenna” – Qi Coupling Coils

The PCB Coil Array cover is used for initial power transfer. It is made up of an array of 19 coils arranged in 4 layers, overlapping honeycomb pattern. Each coil is 14 turns, 52mm OD, 36 ID, and target inductance is 14uH.



The main coil array is made from two movable coils that supply the main power transfer. Each coil is 19 turns, 46mm OD, 10mm ID, and target inductance is 17.5uH.



Bluetooth/Wifi Antenna Details

Included in the Countertop Wireless Charger is an FCC certified WiFi and Bluetooth with an integrated antenna. The part is an ESP32-C3-Mini-1. The FCC grant for this part is 2AC7Z-ESPC3MINI1. The ISD grant is IC:21098-ESPC3MINI1.

