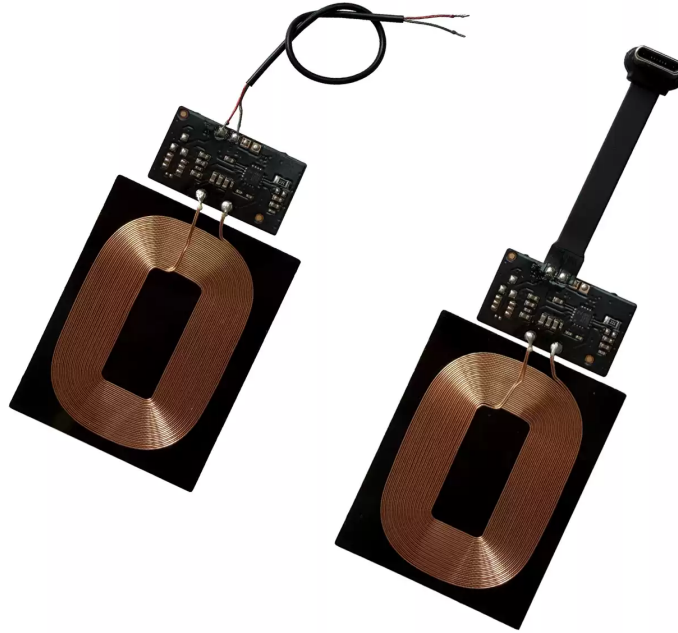


5W Wireless Charging Receiver Module

Compact 5W receiving-side wireless power module with selectable RX coil geometries

5W WIRELESS CHARGING RECEIVER



Compact wireless-power receiver for embedded electronics

A miniature receiver controller and external RX coil assembly designed to receive up to 5 W of wireless power. Multiple coil geometries and two output-cable styles are shown for flexible product integration.

Source package contains four product images and no webpage/HTML file. The datasheet below is based only on information visible in those images; unspecified electrical values remain TBD.

1. Functional Description

The 5W Wireless Charging Receiver Module is a receiving-side wireless power assembly consisting of a compact controller PCB and an external inductive RX coil. The source package shows both bare-wire and USB Type-C cable configurations on the load/output side. The controller board uses an NU1680C main controller IC and supports multiple receiver-coil geometries for integration into products with different mechanical envelopes.

2. Key Features

Rated wireless power	5 W, explicitly stated in the source product title.
Compact PCB	25 x 14 x 1 mm.
Selectable RX coils	Round, small rectangular and large rectangular coil options are shown.
Default coil	Source states the large rectangular coil is the default configuration.
Coil polarity	RX coil leads are stated to be non-polarized.
Controller IC	NU1680C main controller IC identified in the source.
Output connection options	Bare-wire cable and USB Type-C cable assemblies are shown.
Magnetic shielding	Large rectangular assembly includes a magnetic shielding sheet.

3. Electrical Characteristics

Wireless received power	5 W nominal/rated product class.
Receiver controller	NU1680C.
RX coil connection	Two-wire, non-polarized.
DC output voltage	TBD - not stated in the supplied images.
Maximum output current	TBD.
Wireless operating frequency	TBD.
Efficiency	TBD.
Protection functions	TBD - confirm overvoltage, overcurrent, overtemperature and related receiver protections.

4. Mechanical Specifications

PCB dimensions	25 x 14 x 1 mm.
Coil shown in dimension drawing	29 x 41 x 0.3 mm.
Magnetic shield shown	36 x 46 x 0.3 mm.
Round coil option	26 mm diameter x 0.6 mm thick.
Small rectangular coil	30 x 23 x 0.8 mm.
Large rectangular coil	46 x 36 x 0.6 mm.
Cable length	TBD.
Weight	TBD.

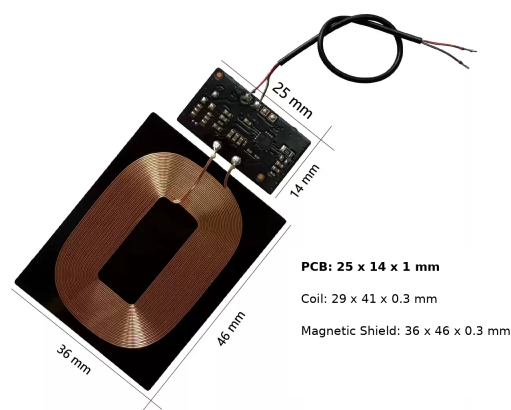
5. Interface / Connection Summary

RX coil pads	Two PCB pads connect to the receiver coil; source states polarity is not distinguished.
DC output leads	Positive and negative output points are identified on the PCB.
Bare-wire version	Two-conductor cable with stripped output leads.
USB Type-C version	Cable assembly terminates in a USB Type-C plug; exact electrical profile is TBD.

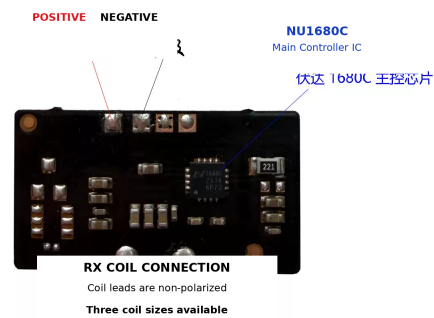
6. Typical Applications

Small rechargeable electronics, embedded sensors, handheld devices, smart accessories, sealed products, custom charging docks, low-power medical/consumer devices and other products that require a compact 5 W wireless-power receiver.

DIMENSIONS



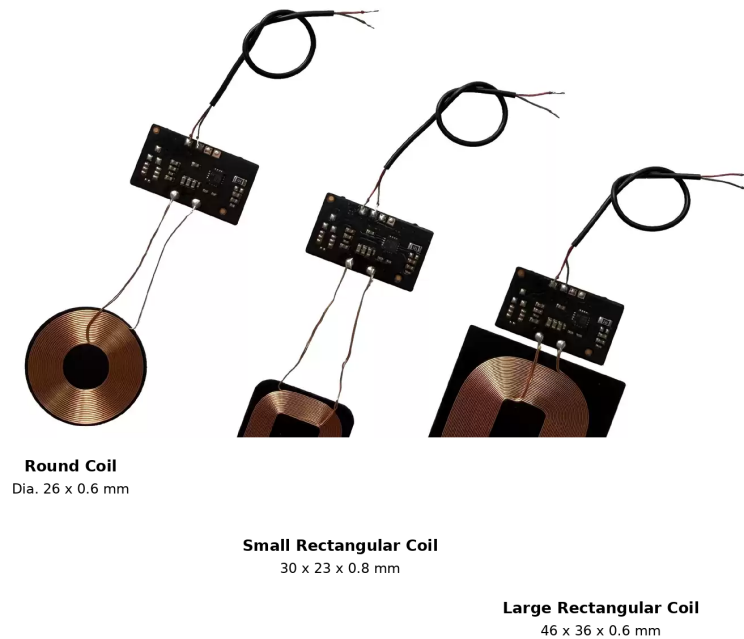
RECEIVER CONTROL BOARD



Default: large rectangular coil shown.
Round coil or smaller rectangular coil available by request.

7. RX Coil Options

COIL OPTIONS



The source shows three mechanical receiver-coil choices. The large rectangular coil is identified as the default configuration, while a round coil or smaller rectangular coil can be selected when required by the host-product geometry.

8. Integration Considerations

Coil size, alignment, transmitter-to-receiver spacing, nearby conductive materials and magnetic shielding can materially affect received power, efficiency and temperature. The selected coil should be validated with the intended transmitter and enclosure. Although the RX coil connection is non-polarized, the DC output to the host load is polarized and must follow the positive/negative PCB markings.

9. Production-Release Data Required

Before controlled release, confirm DC output voltage and current, supported transmitter protocol, operating frequency, efficiency versus alignment and gap, standby behavior, load regulation, protection thresholds, exact cable lengths and Type-C wiring, coil inductance/resistance for each option, allowable charging gap, operating/storage temperature, environmental limits and applicable EMC/safety certifications.

10. Product Classification

Primary category: Wireless Charging Receiver

Product type: 5W Embedded Wireless Power Receiver Module

Controller: NU1680C

PCB size: 25 x 14 x 1 mm

RX coil options: Round / Small Rectangular / Large Rectangular

Document status: Preliminary English datasheet derived solely from the four supplied product images. No webpage file was present and no unsupported electrical output values have been introduced.