

Wireless charging system

1. Description

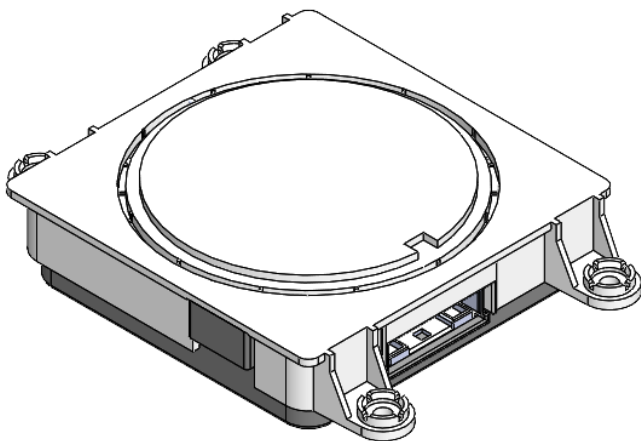
Wireless Power Charger System

It is electromagnetic induction wireless charging system. Wireless power charger transmits 10W power to mobile. Qi (WPC) certified cell phone, which is a standard for wireless charging, or a case dedicated to wireless charging, can be used this system.

※ Reference

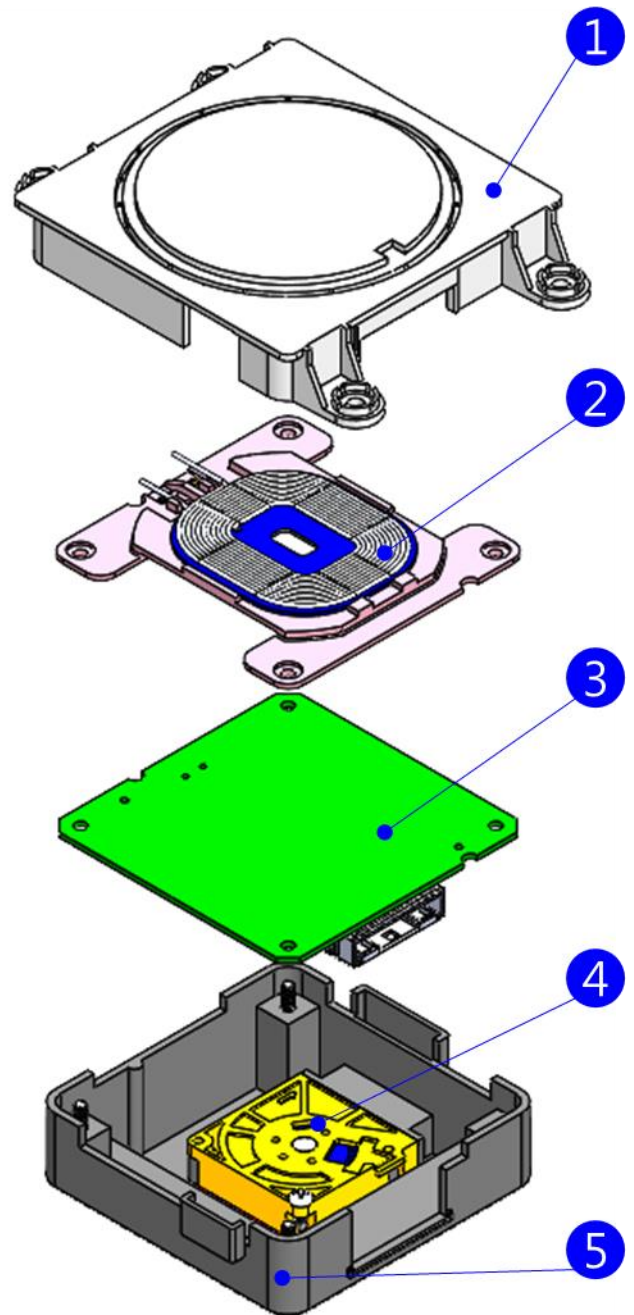
- Qi : One of the wireless charging standards
- WPC : Abbreviation of Wireless Power Consortium
- Electromagnetic induction : When an electric current is sent through a coil (a wound-up cable), it creates a magnetic field whose action generates another electric current in a second coil

2. Product picture



3. Product organization

- 1) Top cover
- 2) Coil (MP-A13)
- 3) PCB assembly
- 4) FAN
- 5) Housing



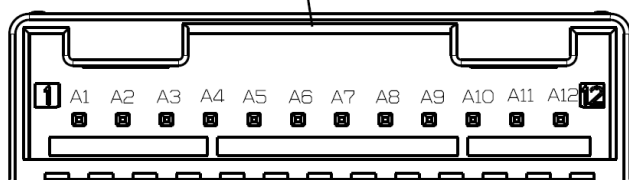
4. Product features

- 1) Wireless charging for automobile
- 2) Support high speed wireless charging (10W)
- 3) Apply coil cooling function by FAN
- 4) Apply FOD(Foreign object detection)function
- 5) Apply wireless charging system protection function
(Over voltage, Over current, Over temperature prevention)
- 6) Apply Qi 1.2.4 ver

5. Connector pin description

CONNECTOR PIN ARRANGEMENT

CONNECTOR LOCKING



PIN #	Description
1	Ground
2	Ground
3	Not connected
4	Not connected
5	B-CAN High
6	B-CAN Low
7	Not connected
8	Not connected
9	Not connected
10	Not connected
11	IGN +
12	BAT +

6. How to use

- 1) Input IGN+, BAT+ power to Wireless charger by #11, #12 pin on connector.
- 2) Put mobile which support wireless charging on the wireless charger
- 3) Check wireless charging connection.

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7. Matching parts

Front console or Center console in automobile



WPC

- FCC Warning Statement.

- Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10cm between the radiator & your body.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.