



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



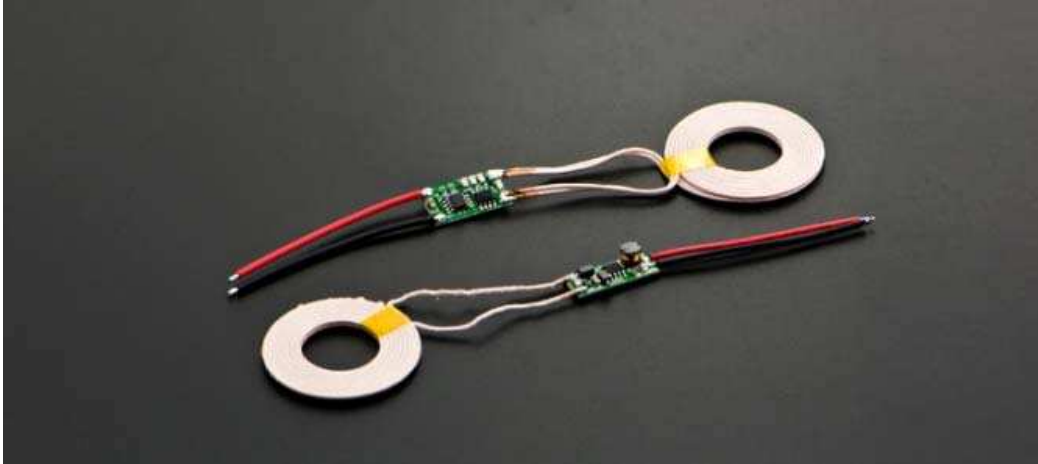
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Wireless Power (SKU:DFR0362)

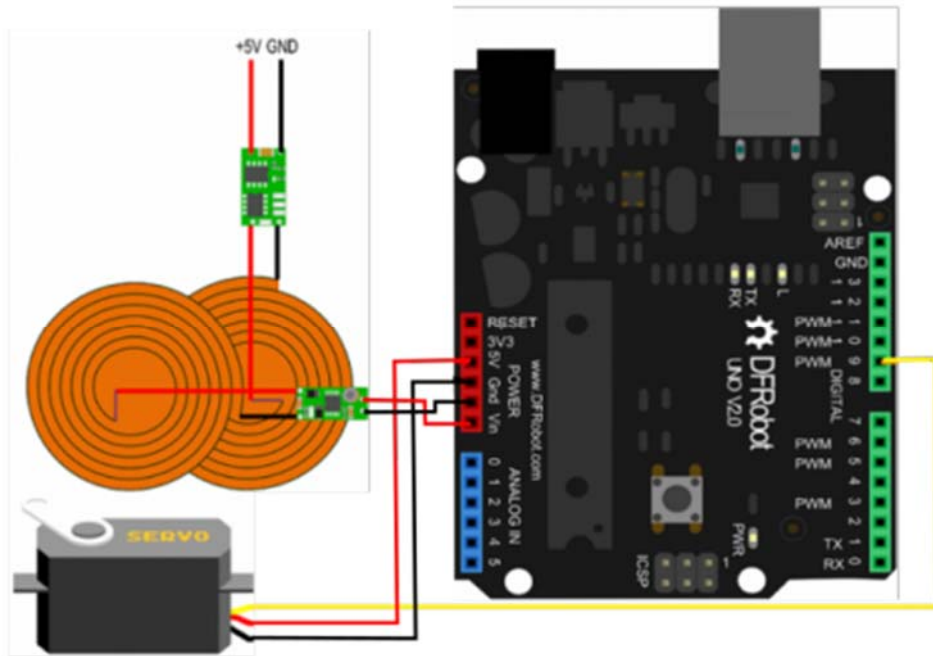
Introduction

Wireless charging uses an electromagnetic field to transfer energy between two objects. This is usually done with a charging station. Energy is sent through an inductive coupling to an electrical device, which can then use that energy to charge batteries or run the device. This is a new wireless charging module, which could provides 5V@1A (MAX 1.2A) power output. It is using the new technology "resonant magnetic coupling, which will reduce the electricity consumption during power transmission. The transfer efficiency could arrive 90%. It could meet your most project requests.

Specification

- Operating Voltage (Input): 5V
- Magnetic coupling resonance technique
- Operating Voltage (Output): 5V@1A (Max: 1.2A)
- Transmitting Terminal Size: 43mm(Outer diameter)*10mm(Inside diameter)*2.3mm(Thickness)
- Receiving Terminal Size: 43mm(Outer diameter)*10mm(Inside diameter)*2.3mm(Thickness)
- Operating Distance:2-10mm.

Connection Diagram



Simple Code

```
/* ***** start code ***** */

/* Sweep
  by BARRAGAN <http://barraganstudio.com>
  This example code is in the public domain.

  modified 8 Nov 2013
  by Scott Fitzgerald
  http://arduino.cc/en/Tutorial/Sweep
  */

#include <Servo.h>
```

```

Servo myservo; // create servo object to control a servo
                // twelve servo objects can be created on most boards

int pos = 0;    // variable to store the servo position

void setup()
{
  myservo.attach(9); // attaches the servo on pin 9 to the servo object
}

void loop()
{
  for(pos = 0; pos <= 180; pos += 1) // goes from 0 degrees to 180 degrees
  {
    // in steps of 1 degree
    myservo.write(pos); // tell servo to go to position in variable 'pos'
    delay(15);          // waits 15ms for the servo to reach the position
  }
  for(pos = 180; pos>=0; pos--=1) // goes from 180 degrees to 0 degrees
  {
    myservo.write(pos); // tell servo to go to position in variable 'pos'
    delay(15);          // waits 15ms for the servo to reach the position
  }
}

/***** end code *****/

```