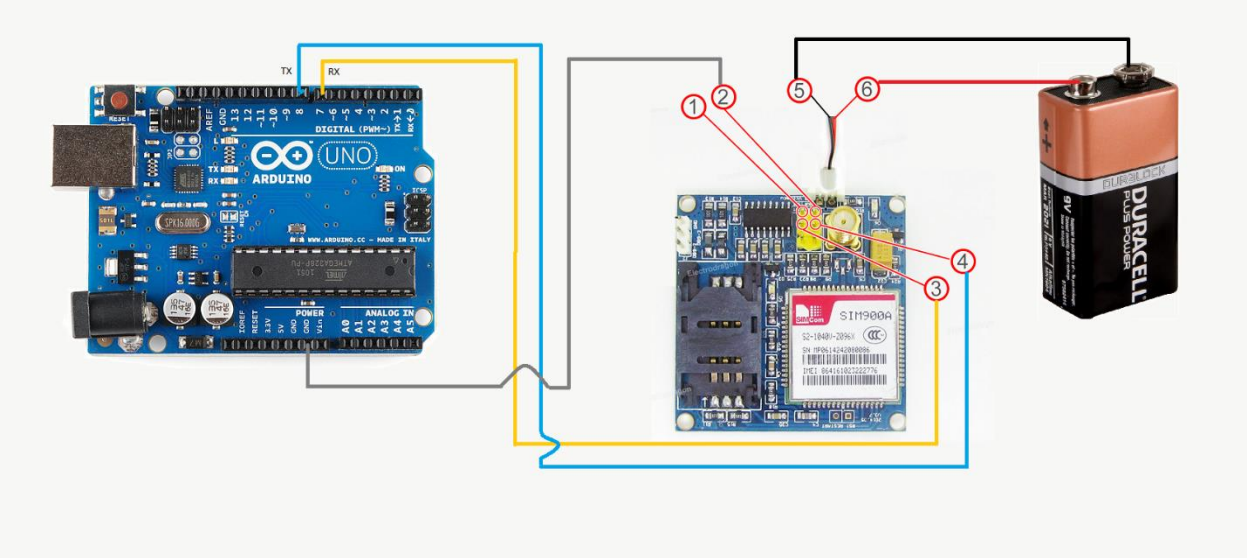
Connection with Arduino and Sim900A GSM Module



Connections-

1 to: No connection needed

2 to: GND of Arduino near 5V

3 to: Digital Pin 0 of Arduino (RX)

4 to: Digital Pin 1 of Arduino (TX)

5 to: GND (Digital GND near Pin 13)

6 to: 5V of Arduino

```
#include <SoftwareSerial.h>
int RST_PIN = 12;
SoftwareSerial gprsSerial(7, 8);

void setup(){
  Serial.begin(9600);
  Serial.print("Start ");
}

void loop(){
  sendToServer();
}

void sendToServer() {
gprsSerial.begin(9600);
  Serial.println("Config SIM900...");
  delay(1000);
  Serial.println("Done!...");
  gprsSerial.flush();
   Serial.println("1!...");
  Serial.flush();

  // attach or detach from GPRS service
  gprsSerial.println("AT+CGATT?");
  delay(100);
  toSerial();
Serial.println("2!...");

  // bearer settings
```

```
  gprsSerial.println("AT+SAPBR=3,1,\"CONTYPE\",\"GPRS\"");
  delay(500);
  toSerial();
Serial.println("3!...");
  // bearer settings
  gprsSerial.println("AT+SAPBR=3,1,\"APN\",\"INTERNET\"");
  delay(500);
  toSerial();
Serial.println("4!...");
  // bearer settings
  gprsSerial.println("AT+SAPBR=1,1");
  delay(500);
  toSerial();
  Serial.println("5!...");

  gprsSerial.println("AT+HTTPINIT");
   delay(1000);
   toSerial();
   String url = "http://picosoftbd.com/savedata.php?Data=Hello World";
     Serial.println(url);
   // set http param value
   gprsSerial.println("AT+HTTPPARA=\"URL\",\""+url+"\"");
   delay(2000);
   toSerial();

   // set http action type 0 = GET, 1 = POST, 2 = HEAD
   gprsSerial.println("AT+HTTPACTION=0");
   delay(5000);
   toSerial();
```

```
  // read server response
  gprsSerial.println("AT+HTTPREAD");
  delay(1000);
  toSerial();

  gprsSerial.println("");
  gprsSerial.println("AT+HTTPTERM");
  toSerial();
  delay(500);
  gprsSerial.println("");
  delay(1000);
}
void toSerial()
{
 while(gprsSerial.available()!=0)
 {
   Serial.write(gprsSerial.read());
 }
}

void GSMRest() {
 digitalWrite(RST_PIN, LOW);
 delay(100);
 digitalWrite(RST_PIN, HIGH);
}
```