How to Connect ENC28J60 Module with Arduino and Code

This guide illustrates how to connect Arduino to the ENC28J60 Ethernet Module.

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<tr>
<td>GND</td>
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1. To get it work, ENC28J60 library need to be used. Due to the function name of ENC28J60 library is same as the original Ethernet library, the original Ethernet library in the library folder must be removed.

2. You need to specify the IP address of the Ethernet shield. Then enter your Ethernet shield IP address into the URL bar. The Web browser will query inquire the Ethernet shield to return the values from analog input on the Arduino board.
Example code

Open Arduino IDE Files - Examples - ENC28J60 - WebServer

The IP address in the example code need to be changed for the address assigned to ENC28J60 module.

```
#include <Ethernet.h>
byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };
byte ip[] = {192,168,1,120};
Server server(80);
void setup()
{
  Ethernet.begin(mac, ip);
  server.begin();
}
void loop()
{
  Client client = server.available();
  if (client) {
    // an http request ends with a blank line
    boolean current_line_is_blank = true; while
    (client.connected()) {
      if (client.available()) {
        char c = client.read();
        // if we've gotten to the end of the line (received a
        newline
        // character) and the line is blank, the http request
        has ended,
        // so we can send a reply
        if (c == '\n' & & current_line_is_blank) {
          // send a standard http response header
          client.println("HTTP/1.1 200 OK");
          client.println("Content-Type: text/html");
          client.println();
          // output the value of each analog input pin
          for (int i = 0; i < 6; i++) {
            client.print("analog input ");
            client.print(i);
            client.print(" is ");
            client.print(analogRead(i));
            client.println(" ");
          }
        }
        break;
      }
      if (c == '\n') {
```
// we're starting a new line
current_line_is_blank = true;
} else if (c != '\r') {
    // we've gotten a character on the current line
    current_line_is_blank = false;
}

// give the web browser time to receive the data
delay(1);
client.stop();