**Board URL:** [**http://arduino.esp8266.com/stable/package\_esp8266com\_index.json**](http://arduino.esp8266.com/stable/package_esp8266com_index.json)

**Blink Test:**

| void setup() {  pinMode(0, OUTPUT); }  void loop() {  digitalWrite(0, HIGH);  delay(500);  digitalWrite(0, LOW);  delay(500); }  WiFi Test:  #include <ESP8266WiFi.h> |
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**WIFI Test:**

| #include <ESP8266WiFi.h> /\*  \* Simple HTTP get webclient test  \*/  const char\* ssid = "DavidPhone"; const char\* password = "DavidSantos"; const char\* host = "wifitest.adafruit.com"; void setup() {  Serial.begin(115200);  delay(100);  // We start by connecting to a WiFi network  Serial.println();  Serial.println();   Serial.print("Connecting to ");  Serial.println(ssid);   WiFi.begin(ssid, password);   while (WiFi.status() != WL\_CONNECTED) {  delay(500);  Serial.print(".");  }  Serial.println("");  Serial.println("WiFi connected");  Serial.println("IP address: ");  Serial.println(WiFi.localIP()); } int value = 0; void loop() {  delay(5000);  ++value;  Serial.print("connecting to ");  Serial.println(host);   // Use WiFiClient class to create TCP connections  WiFiClient client;  const int httpPort = 80;  if (!client.connect(host, httpPort)) {  Serial.println("connection failed");  return;  }   // We now create a URI for the request  String url = "/testwifi/index.html";  Serial.print("Requesting URL: ");  Serial.println(url);   // This will send the request to the server  client.print(String("GET ") + url + " HTTP/1.1\r\n" +  "Host: " + host + "\r\n" +  "Connection: close\r\n\r\n");  delay(500);   // Read all the lines of the reply from server and print them to Serial  while(client.available()){  String line = client.readStringUntil('\r');  Serial.print(line);  }   Serial.println();  Serial.println("closing connection"); } |
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