NeoPixel Clock Connections

There are two AdaFruit Neopixel rings, soldered and connected as indicated in their great online tutorial, a TM1637 display (red with a colon but no other ‘dots’) and one ESP8266 processor. Also need one SPST pushbutton switch to enable a ‘re-get internet time’ function and DS3231 RTC.

1. TM1637 connections
   1. Power/VIN connected to +5 from adapter
   2. GND connected to GND (-) from adapter
   3. CLK to ESP8266 Pin D4
   4. DIO to Pin D7
2. Hour Ring (Small, 24 LED ring)
   1. Power/VIN connected to +5 from adapter
   2. GND connected to GND (-) from adapter
   3. DIN/Data pin to ESP8266 Pin D5
3. Minute Ring (Larger 60 LED ring constructed from 4 15 LED ‘arcs’ per instructions)
   1. Power/VIN connected to +5 from adapter
   2. GND connected to GND (-) from adapter
   3. DIN/Data pin to ESP8266 Pin D6
4. DS3231 RTC Real time clock
   1. Power/VIN connected to +5 from adapter
   2. GND connected to GND (-) from adapter
   3. SDA to ESP8266 Pin D2
   4. SCL to ESP8266 Pin D1
5. SPST Pushbutton switch
   1. One side to GND
   2. Other side to ESP8266 Pin D3