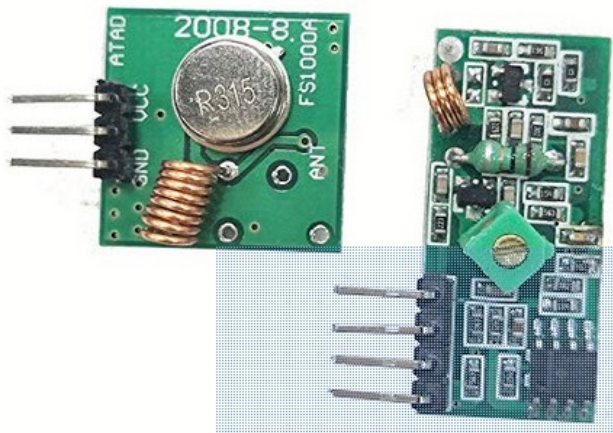


Bill of Material  
Parts List I for CMPE245 Fall 2018  
Harry Li  
Version 2.0

Note: Partial List, you may need to add “glue logic” parts and other parts if needed, this BOM is for reference purpose only.

HSerial Number	Quantity and Description	Note
1	Wire Wrapping Board	Same as last semester, recommended size: 4X4 inches
2	LPC1769 CPU Module with Xpresso Software IDE (ARM Cortex-M3) or	Choose LPC1769 or Raspberry Pi
3	LM7805, red LED (2) and other glue logic, bundle of color wires for wrapping	For wire wrappingn use
4	Wire wrapping tool kit	Same as last semester
5	DC power supply (7.5VDC 1500 mA)	You can use PC power supply.
6	RF module for industrial IoT applications, sx1276	Evaluation Modules Frequency: 169 MHz/868 MHz, Description/Function: SX1276 169/868MHZ RF with TCXO, antennas
7	RF ASK/FSK module (Rx, Tx) see Figure 1.	<a href="https://www.amazon.com/HiLetgo-Transmitter-Receiver-Arduino-Raspberry/dp/B00LNADJS6/ref=asc_df_B00LNADJS6/?tag=hyprod-20&amp;linkCode=df0&amp;hvadid=198093960169&amp;hvpos=1o2&amp;hvnetw=g&amp;hvrnd=17010750548099470325&amp;hvpon=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9032152&amp;hvtargid=pla-319099859202&amp;xpsc=1">https://www.amazon.com/HiLetgo-Transmitter-Receiver-Arduino-Raspberry/dp/B00LNADJS6/ref=asc_df_B00LNADJS6/?tag=hyprod-20&amp;linkCode=df0&amp;hvadid=198093960169&amp;hvpos=1o2&amp;hvnetw=g&amp;hvrnd=17010750548099470325&amp;hvpon=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9032152&amp;hvtargid=pla-319099859202&amp;xpsc=1</a>



(End)