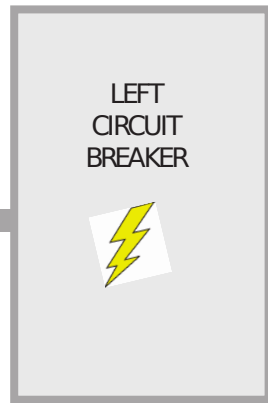


LIGHT GENERATOR  
Subaru RG4300IS



LEFT  
CIRCUIT  
BREAKER



box  
boundary

conduit

AC 110V → DC 5V  
POWER CONVERTER

V+  
V+  
V+  
V-  
V-  
V-

5V (+) to  
fuse block

LEDs

D1

grey cables

D1

D2

D3

D4

D5

POWER

FUSE  
BLOCK

7.5 7.5 7.5 7.5 7.5

5V (+) to LEDs

(-) from  
Teensy

5V (+) to  
Teensy

DATA CONTROL

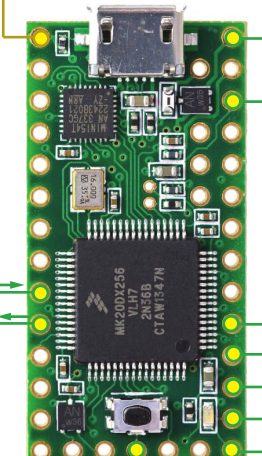
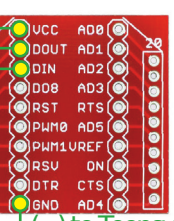
[slaves]

TEENSY 3.0  
development board

Xbee (radio) + breakout board



data from  
master



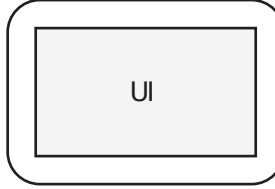
3.3V (+) to Xbee

data to  
LEDs

RASPBERRY PI B+

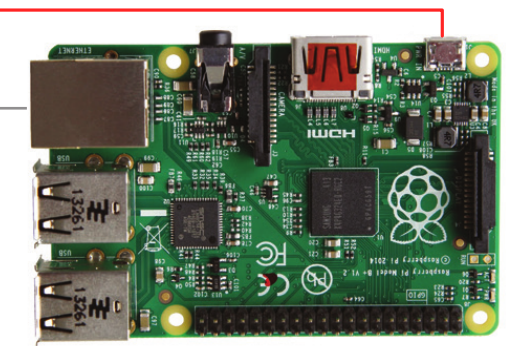
[master]

http://192.168.0.2



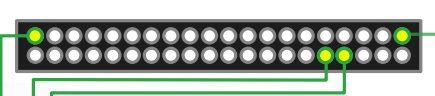
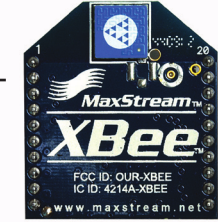
Wireless  
Router

ethernet



micro USB  
charger

110V > 5V



3.3V (+) to Xbee

(-) to Xbee