

Wire A	CAT5e Jack Top	Pin (NOT GPIO)	Attached	CAT5e Jack (bottom)
WOr	Brown	Pin 22	AC/DC 1 - Pump 1	WOr to Relay
Or	Orange	Pin 32	AC/DC 2 - Big Pump	Or to Relay
WGr	Yellow	Pin 38	AC/DC 3 - Lights	WGr to Relay
Blue	Blue			
WBlue	White			
Gr	Green			
WBr	Red	Pin 2	5V	
Br	Black	Pin 14	GND	3 way GND for AC
Wire B	CAT5e Jack	Pin (NOT GPIO)	Sensor	
WOr	Brown	Pin 18	Sonic - echo	
Or	Orange	Pin 16	Sonic - trig	
WGr	Yellow			
Gr	Green	Pin 7	Water temp	
WBlue	White	Pin 10	pH - TX	
Blue	Blue	Pin 8	pH - RX	
WBr	Red	Pin 4	5V	3 way 5V for sensors
Br	Black	Pin 34	GND	
Wire C		USB cable	Plug	
WOr	5V	Red Wire	Micro USB plug into Pi	
WGr				
WBlue				
WBr				
Orange	GND	Black Wire		
Green				
Blue				
Brown				