BruControl Interface Wiring Map: Sonoff TH10/16 or Dual (Firmware v43)			
Connection ->		TCP (Network)	<- Connection
Wiring Map ->		Default	<- Wiring Map
Firmware Prefix ->		BruControl.43.Sonoff	<- Firmware Prefix
Firmware Suffix ->		W	<- Firmware Suffix
Interface GPIO #	BruControl port #		User Description (record device type and device connected)
0	N/A	D, P, C (Dual: Internal Header "Button 1")	
1	1	D (TH10/16: Button)	
2	N/A	N/C	
3	N/A	N/C	
4	4	D, P, C (TH10/16: 2.5mm Jack Ring 1)	
5	N/A	D (Dual: Relay L2 & Red LED)	
6	N/A	N/C	
7	N/A	N/C	
8	N/A	N/C	
9	N/A	D, P, C, O* (Dual: Internal Header "Button 1")	
10	N/A	D (Dual: Button)	
11	N/A	N/C	
12	12	D (TH10/16: Relay & Red LED. Dual: Relay L1 & Green LED)	
13	13	D (TH10/16/Dual: Blue LED)	
14	14	D, P, C, O* (TH10/16: 2.5mm Jack Tip)	
15	N/A	N/C	
16	N/A	N/C	
A0	N/A	N/C	

Notes / Key

Instructions: Select the column for firmware used. Wire each Interface GPIO per possible input/outputs. Select device's corresponding port in BruControl.

Interface Wiring Map Codes:

D = Digital Input or Digital Output (Note: Input can be 3.3V active high or low, output is 3.3V)

P = PWM Output (Note: Output is 3.3V peak. Frequency is ~500 or ~1000 Hz. Create Analog Output using RC filter or RC/op-amp.)

C = Counter Input (Note: trigger is falling edge. Sensor must pull up/down 3.3V, otherwise an external resistor is needed)

Duty Cycle and Hysteresis devices use a Digital Output (D).

PID devices on pins with both Digital (D) and PWM Output (P) will use PWM Output. For binary switches (e.g. SSR), select pin without PWM Output (P).

Maximum current (sink or source) per pin is 12mA. Recommend to keep each equal or less than 5mA .