

pin #	Description	Input/output	Code Name	Part #	Notes
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8	Solenoid Valve	Output	Relay_8	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
9	Solenoid Valve	Output	Relay_9	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
10	Solenoid Valve	Output	Relay_10	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
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17	HLT Heater	Output	HLT_Heater_Relay	PowerSwitch Tail II	Can accept 5V @ <20mA. Can Connect directly to I/O pin
18	BrewPot Heater	Output	BrewPot_Heater_Relay	PowerSwitch Tail II	Can accept 5V @ <20mA. Can Connect directly to I/O pin
19	Fermenter Relay	Output	Fermenter_Control_Relay	PowerSwitch Tail II	Can accept 5V @ <20mA. Can Connect directly to I/O pin
20	HLT Level SW	Input	HLT_Level_Switch	McMaster 46515K41	Digital closure
21	BrewPot Level Sw	Input	BrewPotLevelSwitch	McMaster 46515K41	Digital closure
22	HLT Output Flow Sensor	Input	HLTOutputFlowSensor	AdaFruit PID 828	Pulsed digital signal. Utilize framework of provided exarr
23	BrewPot Output Flow Sensor	Input	BrewPotOutputFlowSensor	AdaFruit PID 828	Pulsed digital signal. Utilize framework of provided exarr
24	HLT Temp Sensor	Input	HLTTempSensor	WaterProof DS18B20	Uses 1 wire interface
25	Mash Tun Temp Sensor	Input	MashTunTempSensor	WaterProof DS18B20	Uses 1 wire interface
26	Brew Pot Temp Sensor	Input	BrewPotTempSensor	WaterProof DS18B20	Uses 1 wire interface
27	Fermenter Temp Sensor	Input	FermenterTempSensor	WaterProof DS18B20	Uses 1 wire interface
28	Pump Power	Output	Pump_Relay	PowerSwitch Tail II	Can accept 5V @ <20mA. Can Connect directly to I/O pin
29	Green LED				
30	Yellow LED				
31	Purple LED				
32	Red LED				
33	Solenoid Valve	Output	Relay_1	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
34	Solenoid Valve	Output	Relay_2	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
35	Solenoid Valve	Output	Relay_3	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
36	Solenoid Valve	Output	Relay_4	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
37	Solenoid Valve	Output	Relay_5	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
38	Solenoid Valve	Output	Relay_6	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
39	Solenoid Valve	Output	Relay_7	1/2" 2-Way, NC, 12VDC Solenoid Valve	Requires 1.2A @ 12VDC. Relay needed
40	Pushbutton	Input	Button		
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