PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
0	NONE	10-3 (VD)	UART									
1	NONE	10-1 (VD)	UART									
2	2	9-3D	D, C, O, P, R									VC
2	2	9-3P	D, C, O, P, R									VC
3	3	9-4 P	D, C, O, P, R									VC
3	3	9-4D	D, C, O, P, R									VC
4	4	9-1D	D, O, P, R									VC
4	4	9-1P	D, O, P, R									VC
5	5	9-2D	D, O, P, R									VC
5	5	9-2P	D, O, P, R									VC
6	6	8-3D	D, O, P, R									VC
6	6	8-3P	D, O, P, R									VC
7	7	8-4D	D, O, P, R									VC
7	7	8-4P	D, O, P, R									VC
8	8	8-1D	D, O, P, R									VC
8	8	8-1P	D, O, P, R									VC
9	9	8-2D	D, O, P, R									VC
9	9	8-2P	D, O, P, R									VC
10	10	7-3D	Ethernet									
10	10	7-3P	Ethernet									
11	11	7-4D	D, O, P, R									VC
11	11	7-4P	D, O, P, R									VC
12	12	7-1D	D, O, P, R									VC
12	12	7-1P	D, O, R									VC
13	13	7-2D	D*, P, L									VC
13	13	7-2P	D*, P, L									VC
14	14	11-3D	D, O, R									VD
14	14	11-3P	D, O, P, R									VD

PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
15	15	11-4D	D, O, P, R									VD
15	15	11-4P	D, O, R									VD
16	16	11-1D	D, R									VD
16	16	11-1P	D, R									VD
17	17	11-2D	D, R									VD
17	17	11-2P	D, R									VD
18	18	10-3D	D, C, R									VD
18	18	10-3P	D, C, R									VD
19	19	10-4D	D, C, R									VD
19	19	10-4P	D, C, R									VD
20	N/A	N/A	N/C									
21	N/A	N/A	N/C									
22	22	12-1D	D, R									VD
22	22	12-1P	D, R									VD
23	23	12-2D	D, R									VD
23	23	12-2P	D, R									VD
24	24	12-3D	D, R									VD
24	24	12-3P	D, R									VD
25	25	12-4D	D, R									VD
25	25	12-4P	D, R									VB
26	26	6-4D	D, R									VB
26	26	6-4P	D, R									VB
27	27	6-3D	D, R									VB
27	27	6-3P	D, R									VB
28	28	6-2D	D, R									VB
28	28	6-2P	D, R									VB
29	29	6-1D	D, R									VB
29	29	6-1P	D, R									VB

PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
30	30	5-4D	D, R									VB
30	30	5-4P	D, R									VB
31	31	5-3D	D, R									VB
31	31	5-3P	D, R									VB
32	32	5-2D	D, R									VB
32	32	5-2P	D, R									VB
33	33	5-1D	D, R									VB
33	33	5-1P	D, R									VB
34	34	4-4D	D, R									VB
34	34	4-4P	D, R									VB
35	35	4-3D	D, R									VB
35	35	4-3P	D, R									VB
36	36	4-2D	D, R									VB
36	36	4-2P	D, R									VB
37	37	4-1D	D, R									VB
37	37	4-1P	D, R									VB
38	38	1-1D	D, R									VA
38	38	1-1P	D, R									VA
39	39	1-2D	D, R									VA
39	39	1-2P	D, R									VA
40	40	1-3D	D, R									VA
40	40	1-3P	D, R									VA
41	41	1-4D	D, R									VA
41	41	1-4P	D, R									VA
42	42	2-1D	D, R									VA
42	42	2-1P	D, R									VA
43	43	2-2D	D, R									VA
43	43	2-2P	D, R									VA

PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
44	44	2-3D	D, R									VA
44	44	2-3P	D, R									VA
45	45	2-4D	D, P, R									VA
45	45	2-4P	D, P, R									VA
46	46	3-1D	D, R									VA
46	46	3-1P	D, R									VA
47	47	3-2D	D, R									VA
47	47	3-2P	D, R									VA
48	48	3-3D	D, P, R									VA
48	48	3-3P	D, P, R									VA
49	49	3-4D	D, R									VA
49	49	3-4P	D, R									VA
50	NONE	MOSO	SPI									
51	NONE	MOSI	SPI									
52	NONE	CLK	SPI									
53	NONE		SPI									
3.3v												
5v												
A= Analog: Use for Brewer's Hardware type probes.												
A0	100											
A1	101											
A10	110											
A11	111											
A12	112											
A13	113											

PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
A14	114											
A15	115											
A2	102											
A3	103											
A4	104											
A5	105											
A6	106											
A7	107											
A8	108											
A9	109											
A10	110											
A11	111											
A12	112											
A13	113											
A14	114											
A15	115											
AREF												
C= Counter for Hall Effect Sensors and the like												
D = Digital Inpput/Output												
GND												
IOREF												
O = D18b20 One Wire												
P = PWM Output												

PIN	PORT	UniShield UM1 Terminal	I/0	Do	Di	C	O	P	R	A	L	Bank
R = RTD: Hook up via SPI Card												
Relay Voltage is the Voltage for the Load. Brucontrol Arduino supplies 5 vdc for control												
Reserve P for Hysteresis, PID. or Duty Cycle Widgets (Heating or Cooling).												
Reserve Pin 5 for future one-wire sensors												
Reset												
Script Element Name is the name you use in Brucontrol Scripts												
U collun is to fill in color of what you are using the Port for:												
VIN												
Widget Voltage is the power to the Widget												
You may add your own notes												
		Use Only P or D Not Both										