Ethernet 1

A0	A1	X	X	A2	A3	X	X
1	2	3	4	5	6	7	8
o/p	pwr	gnd	vcc	o/p	pwr	gnd	vcc

—— Arduino Pins

—— Ethernet Pins

—— Pin Supplies

Soil Moisture Sensors

Ethernet 2

D2	D3	X	X	D4	D5	X	X
1	2	3	4	5	6	7	8
o/p	pwr	gnd	vcc	o/p	pwr	gnd	vcc

Flow Sensor   DHT11 (Humidity or

External Temperature

Sensor)

Ethernet 3

Arduino Pins ———

Ethernet Pins ———

Pin Supplies ———

D8	D9	X	X	D10	D11	X	X
1	2	3	4	5	6	7	8
o/p	pwr	gnd	vcc	o/p	pwr	gnd	vcc

DS180 (Internal Temperature)

47 K   47 K

Vcc   Vcc

Ethernet 2 (pin 2)   IN 1   1 ┌──────────┐ 16   OUT 1   Ethernet 2 (pin 3)

Ethernet 2 (pin 6)   IN 2   2 │   │ 15   OUT 2   Ethernet 2 (pin 7)

Ethernet 3 (pin 2)   IN 3   3 │   │ 14   OUT 3   Ethernet 3 (pin 3)

Ethernet 3 (pin 6)   IN 4   4 │ ULN2003 │ 13   OUT 4   Ethernet 3 (pin 7)

Ethernet 1 (pin 2)   IN 5   5 │   │ 12   OUT 5   Ethernet 1 (pin 3)

Ethernet 1 (pin 6)   IN 6   6 │   │ 11   OUT 6   Ethernet 1 (pin 7)

IN 7   7 │   │ 10   OUT 7

GND   8 └──────────┘ 9   COM
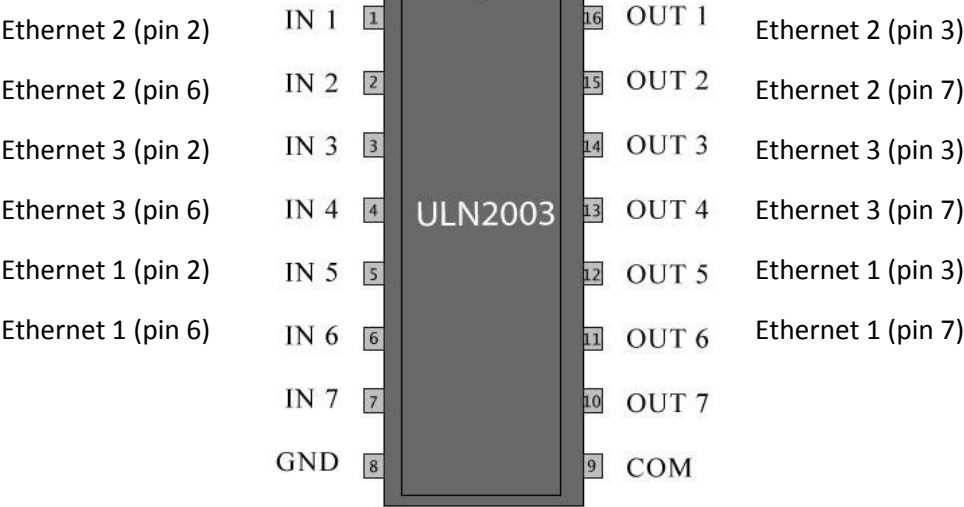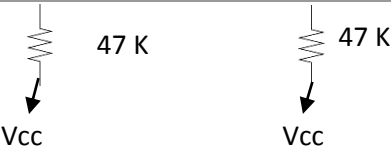
Ethernet Conventions:

White/Orange	Brown	Orange	White/Brown	White/Blue	White/Green	Green	Blue
1	2	3	4	5	6	7	8