

P1

		3.3V	1	2	GND		
MoistureSensor1	I/O	PD0	3	4	PB13	I/O	MoistureSensor4
MoistureSensor2	I/O	PB14	5	6	PD1	I/O	MoistureSensor5
MoistureSensor3	I/O	PD2	7	8	PA29	I/O	MoistureSensor6

P2

		3.3V	1	2	GND		
	TXD0	PB1	3	4	PB0	RXD0	
	A16	PA20	5	6	PA19	A15	
	I/O	PA17	7	8	PB2	CTS0/AFE1_AD0	Voltage Sensor
CurrentSensor	AFE1_AD1	PB3	9	10	PA21	RXD1	
	I/O	PD30	11	12	PA22	TXD1	
	MOSI	PA13	13	14	PA16	TIOB1	Thruster
	SCK1/A19	PA23	15	16	PD27	I/O	
Thruster	TIOA1	PA15	17	18	PA14	SPCK	
	I/O	PD25	19	20	PD26	I/O	
	I/O	PD24	21	22	PA24	RTS1/A20	
Headlight	PWMH3	PD23	23	24	PA25	CTS1/A23	
Headlight	PWMH2	PD22	25	26	PA26	TIOA2	Thruster
Thruster	PWMH1	PD21	27	28	PA11	I/O	
Thruster	PWMH0	PD20	29	30	PA10	UTXD0	
	I/O	PD19	31	32	PA12	MISO	

P3

		3.3V	1	2	GND		
	I/O	PD3	3	4	PD4	I/O	
	I/O	PD5	5	6	PD6	I/O	
	I/O	PD7	7	8	PA31	I/O	
	I/O	PA30	9	10	PA6	UTXD1	
	I/O	PD8	11	12	PA28	I/O	
	I/O	PD9	13	14	PD29	I/O	
	I/O	PD15	15	16	PA0	TIOA0	Thruster
	I/O	PD10	17	18	PA1	TIOB0	Thruster
	I/O	PD11	19	20	PA2	I/O	
	I/O	PD12	21	22	PA3	TWD0	Accelerometer
	I/O	PD13	23	24	PD14	I/O	
	I/O	PD16	25	26	PA4	TWCK0	Accelerometer
Sonar1	URXD0	PA9	27	28	PD17	I/O	
Sonar2	URXD1	PA5	29	30	PD28	I/O	
Thruster	TIOB2	PA27	31	32	PD18	I/O	