DEVICE PIN	ARDUINO PIN	NET	COMMENT
PA02	A0 (14)	IM1_SENSE	motor 1 current sense, 0.24% of motor current is output across a 270 ohm resistor
PA05	A1 (15)	INT	ICM20948 imu interrupt pin
PA06	A5 (19)	ACT	ACT LED, active high
PA08	36	STAT	STAT LED, active high
PA09	37	EN/D4	M2 enable pin, active high
PA10	38	D3	M2 disable pin, active high
PA11	39	EN/D2	M1 enable pin, active high
PA12	22	SDA	I2C data
PA13	21	SCL	I2C clock
PA14	4	M1_ENC_A	motor 1 encoder channel a
PA17	25	M1_STATUS	status (low=fault condition)
PA18	6	SERVO	servo header signal pin
PA19	9	IN1	M1 input control pin 1
PA20	10	IN2	M1 input control pin 2
PA21	11	IN4	M2 input control pin 2
PA22	12	IN3	M2 input control pin 1
PA23	13	M2_STATUS	status (low=fault condition)
PB01	A6 (20)	I5V_SENSE	current sense on 5v rail
PB08	A2 (16)	IM2_SENSE	motor 2 current sense, 0.24% of motor current is output across a 270 ohm resistor
PB09	A3 (17)	VBAT_SENSE	voltage divider output from battery sensing.300k to vbat, 85k to gnd
PB10	34	D1	disable m1 (active high, high=motor pins are three stated
PB11	35	M1_ENC_B	motor 1 encoder channel b
PB17	0	SERIAL_RX	serial header on board (Serial1 object in arduino)
PB16	1	SERIAL_TX	serial header on board (Serial1 object in arduino)
PB22	23	M2_ENC_A	motor 2 encoder channel a
PB23	24	M2_ENC_B	motor 2 encoder channel b