Colorado Space Grant Consortium: Robotics Challenge, 2015
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Arduino Board layout for Space Grant Robot 1, "SG1"

	Pin	Use on Board 1	Use on Board 2
Digital pins	0 - RX	Serial line in from Board 2	Beacon, DATA
	1 - TX		Serial line out to board 1
	2	Servo A	
	3	Servo B	
	4	Servo C	To Ground
	5	Servo D	
	6	Servo LIDAR	Clear / Red LED
	7	Green LED	
	8	Yellow LED	Beacon, PND
	9	Red LED	Beacon, TX-RX
	10		
	11		
	12		
	13		
Not labled, above	AREF pin	14	LIDAR, SDA	
	15	LIDAR, SCL	
Analog pins	A 0	Left IR	Beacon, RSSI
	A 1	Center IR	
	A2	Right IR	
	A 3		
	A 4	Compass, SDA	
	A 5	Compass, SCL	

Board 1, located near the center of the robot.
Use to colect sensor data and drive the servos

Board 2, located at the back of the robot.
Use to recive the radio beacon.