Junior:

Design Documentation



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Contents:

- (1) Bill of Materials
- (2) Drawings of custom parts designed for the robot

Note: The drawings are not complete with all dimensions. Important dimensions are displayed.

Junior:			
Bill of Materials:			
Item #:	Part Name:	Quantity:	Source:
1	Bottom Chassis	1	Laser cut
2	Top Chassis	1	Laser cut
3	Junior Sides	1	3D Printed
4	Nameplate	1	3D Printed
5	Ultrasonic Mount	1	3D Printed
6	Battery Holder	1	3D Printed
7	Rod Holder	1	3D Printed
8	UP Board Mount	1	3D Printed
9	Switchboard	1	3D Printed
10	Switchboard Panel	1	Laser cut
11	Kinect Mount	1	3D Printed
12	Kinect Poles	1	PVC Pipe
13	Caster Wheel	1	AX Man
14	Wheel	2	Amazon
15	DC Motor	2	Amazon
16	Motor Bracket	2	Amazon
17	Ultrasonic Sensor	1	Amazon
18	12v Battery	2	Amazon
19	Breadboard	1	Amazon
20	Teensy 3.5	1	Amazon
21	Motor Driver	1	Amazon
22	UP Board	1	UP-Board.com
23	Microsoft Kinect	1	Amazon
24	Voltage monitor	1	Amazon





















