QuickBot MOOV v2 Parts

Order Item	Parts Contained	Order P	Part Quantity	Needed Part	Price	Total	Vender	Octopart
		Quantity	Per Order	Quantity		art Cost	Link	Link
Magician Chassis	•	1	-	-	\$ 14.95 \$	14.95	SparkFun	
	Top Chassis Plate Bottom Chassis Plate	-	1	1	-	-	-	
-	Motor Holder	-	1 4	1 4		<u> </u>		
	Speed Board Disc	-	2	2	-		-	
	Motor	-	2	2	-		-	
	Omni Wheel	-	1	1			-	
·	Wheel L25 Spacer	-	2 8	6		-	- :	
	L10 Spacer		4	4		-		
	M3*30 Screw	-	4	4	-	-	-	
	M3*6 Screw	-	24	20			-	
	M3 Nut	1	8	4	s 39.95 S	39.95	Solarbotics	
Dual Wheel Watcher Rotation Encoder Kit	Wheel Encoder	1	2	2	\$ 39.95 \$	39.95	Solarbotics	
	Encoder Ribbon Cable	-	2	2	-	-		
	Female Molex Crimp Pins	-	10	10	-		-	
	5-pin Molex Header	-	2	2				
A CONTROL OF THE ATTACK	Encoder Disc Sticker		2	2		-		
Compact USB Wi-Fi Adapter with 4" Antenna DC Barrel Jack to 2-Pin Terminal Block Adapter	Wifi Dongle DC Barrel Plug	1 1	1	1	\$ 12.95 \$ \$ 1.95 \$	12.95 1.95	Logic Supply Pololu	
400-Point Breadhoard	Breadboard	1	1	1	\$ 3.75 \$	3.75	Pololu	
350-Piece Wire Kit with Adjustable Case	breadoura	1			\$ 11.95 \$	11.95	Pololu	
•	4/10" Breadboard jumper wires (orange)	-	25	6			-	
	5/10" Breadboard jumper wires (yellow)		25	4		-		
Sharp GP2Y0A21YK0F Analog Distance Sensor 10-80cm	IR Sensors	5	1 1	5 5	9.95 \$ 1.25 \$	49.75 6.25	Pololu Pololu	
3-Pin Female JST PH-Style Cable (30 cm) with Male Pins for 0.1" Housings 2-Pin Female JST PH-Style Cable (14cm)	2-pin Female 2mm-pitch JST IR Sensor Connector 2-pin Female 2mm-pitch JST Volt Reg Connector	2	1	2	1.25 \$ 0.75 \$	1.50	Pololu	
Rocker Switch: 3-Pin, SPDT, 10A	3-pin Rocker Switch	1	1	1	0.75 \$	0.75	Pololu	
0.100" (2.54 mm) Breakaway Male Header: 1x40-Pin, Straight	6-pin Male Breakaway Header Pins	1	6	2	0.99 \$	0.99	Pololu	
Wires with Pre-crimped Terminals 50-Piece Rainbow Assortment M-M 6"	6" M-M Jumper Wires	1	50	18	\$ 9.95 \$	9.95	Pololu	
Male Crimp Pins for 0.1" Housings 100-Pack	0.1" Male Crimp Pins	1	100	61	\$ 7.95 \$	7.95	Pololu	
0.1" (2.54mm) Crimp Connector Housing: 1x1-Pin 25-Pack 0.1" (2.54mm) Crimp Connector Housing: 1x2-Pin 25-Pack	1x1-pin 0.1" Crimp Connect Housing 1x2-pin 0.1" Crimp Connect Housing	1 1	25 25	17 18	\$ 0.59 \$ \$ 0.69 \$	0.59	Pololu Pololu	
0.1" (2.54mm) Crimp Connector Housing: 1x2-Pin 25-Pack 0.1" (2.54mm) Crimp Connector Housing: 1x3-Pin 25-Pack	1x3-pin 0.1" Crimp Connect Housing	1	25	18	\$ 0.79 \$	0.69	Pololu	
0.1" (2.54mm) Crimp Connector Housing: 1x5-Pin 10-Pack	1x5-pin 0.1" Crimp Connect Housing	1	10	1	\$ 0.69 \$	0.69	Pololu	
Machine Screw: #4-40, 1/2" Length, Phillips (25-pack)	1/2" 4-40 Screw	1	25	16	\$ 0.99 \$	0.99	Pololu	
Machine Screw: #4-40, 1/4" Length, Phillips (25-pack)	1/4" 4-40 Screw	1	25	10	\$ 0.99 \$	0.99	Pololu	
Machine Hex Nut: #4-40 (25-pack)	4-40 Nut	1	25	22	\$ 0.99 \$	0.99	Pololu	
Angle Bracket - 4-40 Resistor Kit - 1/4W (500 total)	4-40 Angle Bracket	10	1	10	\$ 0.50 \$ \$ 7.95 \$	5.00 7.95	SparkFun SparkFun	
nesistoi kit - 1/4W (500 total)	20K Ohm Resistor (red-black-orange-gold)		25	5	3 7.93 Ş	- 7.33	Sparkruii -	
	10K Ohm Resistor (brown-black-orange-gold)	-	25	5	-	-	-	
BeagleBone Black	BeagleBone Black	1	1	1	\$ 44.95 \$	44.95	SparkFun	http://octopart.com/bb-bblk-000-circuitco+electronics-26478322
H-Bridge Motor Driver 1A	H-Bridge	1	1	1	\$ 2.35 \$	2.35	SparkFun	http://octopart.com/sn754410ne-texas+instruments-1320
Logic Level Converter Bi-Directional "Uh-oh" Battery Level Indicator Kit	Logic Level Converter Uh-Oh Battery Indicator Board	1 1	1 1	1 1	\$ 2.95 \$ \$ 5.95 \$	2.95 5.95	SparkFun SparkFun	
DC-DC LM2596 Converter Adjustable Step Down Regulator 1.2-35V	On-On Battery Indicator Board	2		1	\$ 2.20 \$	4.40	Ebay	
De De EM2550 converter rajustable step Bown negatator 1.2 557	Voltage Regulator		1	2			-	
	2-pin Female 0.1in-pitch JST Volt Reg Connector		2	4	-	-	-	
10 pairs JST Plug Connector RC Lipo Battery Male/Female	Male Red Battery Connectors	1	10	2	\$ 3.31 \$	3.31	Amazon	
Anytime Tools 127 pc Heat Shrink Wire Wrap	1/2" Heat Shrink Tubing	1	127	2	\$ 9.45 \$	9.45	Amazon	
TEKTON 6235 Assorted Cable Ties, 200-Piece	Zip Ties	1	200 15	2	\$ 6.20 \$ \$ 2.49 \$	6.20 2.49	Amazon Amazon	
Velcro Brand Sticky Back Coins Turnigy 1000mAh 3S 25C Lipoly Battery	1sq-in Velcro LiPo Batteries	1	15	2	\$ 3.49 \$	3.49	HohbyKing	
Lipo Charger	LiPo Charger	1	1	1	\$ 11.25 \$	11.25	HobbyKing	
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				-				
QuickBot Total (w/ IR Sensors)		52		303		278.11		
QuickBot Total (w/ IR Sensors)		52		-		278.11		
		52		-		278.11		
Tools		52		-		278.11		
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG	Crimper	1		-	\$ 34.95 \$	34.95	<u>Pololu</u>	
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-Inch Needle Nose Piler	Needle Nose Pliers	1 1		-	\$ 34.95 \$ \$ 4.00 \$	34.95 4.00	Amazon	
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Staniey 84-096 5-Inch Needle Nose Piler Dr. Meter © Owtst High-performance Soldering Iron	Needle Nose Pliers Soldering Iron	1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$	34.95 4.00 9.00	Amazon Amazon	
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter ⁶ 60 Watts High-performance Soldering Iron Lead-Free Solder S' Roll - 16-99	Needle Nose Pliers Soldering Iron Solder	1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ 4.00 \$	34.95 4.00 9.00 4.00	Amazon Amazon Amazon	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Staniey 84-D96 5-inch Needle Nose Piler Dr. Meter 60 Wats High-performance Soldering Iron Lead-Free Solder 5' Roll - IF-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm	Needle Nose Pliers Soldering Iron	1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$	34.95 4.00 9.00	Amazon Amazon	
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter ⁶ 60 Watts High-performance Soldering Iron Lead-Free Solder S' Roll - 16-99	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ 6.50 \$	34.95 4.00 9.00 4.00 6.50	Amazon Amazon Amazon Amazon	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Staniey 84-D96 5-inch Needle Nose Piler Dr. Meter 60 Wats High-performance Soldering Iron Lead-Free Solder 5' Roll - IF-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ 6.50 \$	34.95 4.00 9.00 4.00 6.50 19.98	Amazon Amazon Amazon Amazon	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter* 60 Watts High-performance Soldering Iron Lead-Free Solder 5' Roll - LF-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078/300 8-inch Self-Adjusting Wire Stripper	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ 5 6.50 \$ \$ 19.98 \$	34.95 4.00 9.00 4.00 6.50 19.98	Amazon Amazon Amazon Amazon	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanieg 84-096 5-inch Needle Nose Piler Dr. Meter © Nusts High-performance Soldering Iron Lead-Free Solder 5' Roll - LF-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ 5 6.50 \$ \$ 19.98 \$	34.95 4.00 9.00 4.00 6.50 19.98	Amazon Amazon Amazon Amazon	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Staniey 84-096 5-inch Needle Nose Piler Dr. Meter 60 Watts High-performance Soldering Iron Lead-Free Solder 5' Roll - LF-99 Felbao tools Wire Cutter Piler Yellow 4.5 Inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc.	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 4.00 \$ \$ \$ 6.55 \$ \$ 6.55 \$ \$ 19.98 \$	34.95 4.00 9.00 4.00 6.50 19.98	Amazon Amazon Amazon Amazon	
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter' 60 Watts High-performance Soldering Iron Lead-Free Solder's Fool 1-1-59 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. SD card	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ 5 4.00 \$ \$ \$ 5 4.00 \$ \$ \$ 5 4.00 \$ \$ \$ \$ 5 4.00 \$ \$ \$ \$ 5 4.00 \$ \$ \$ \$ 5 4.00 \$ \$ \$ \$ \$ 5 4.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon	http://octopart.com/102-adafruit+industries-28107416
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter* 60 Watts High-performance Soldering Iron Lead-Free Solder's Roll - LF-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. 5D card DC Power Supply	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 4.00 \$ \$ \$ \$ 19.98 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon Amazon SparkFun	http://octopart.com/276-adafruit+industries-29094024
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter' 60 Watts High-performance Soldering Iron Lead-Free Solder's Floil 1-E-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. 5D card	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 4		-	\$ 34.95 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 4.00 \$ \$ \$ \$ 9.00 \$ \$ \$ 6.50 \$ \$ 19.98 \$ \$ \$ \$ \$ 5.95 \$ \$ \$ 5.95 \$ \$ \$ 6.55 \$ \$ \$ 6.55 \$ \$ \$ \$ \$ 5.95 \$ \$ \$ \$ 6.55 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon SparkFun Adafruit	
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Plier Dr. Meter* 60 Watts High-performance Soldering Iron Lead-Free Solder 5' Roll - 16-99 Felbao tools Wire Cutter Plier Yellow 4.5 Inch 125 Mm Irwin Industrial Tools 2078/300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. SD card DC Power Supply Micro-HDMI Cable Ethernet Cable	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 1 4		-	\$ 34.95 \$ 4.00 \$ \$ 9.00 \$ \$ 4.00 \$ \$ \$ 6.50 \$ \$ 4.00 \$ \$ \$ 6.50 \$ \$ 5.95 \$ \$ 6.50 \$ \$ 5.95 \$ \$ 6.50 \$ \$ 5.95 \$ \$ 6.95 \$ \$ 6.95 \$ 1.55 \$ \$ 6.95 \$ 1	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon SparkFun Adafruit Amazon	http://octopart.com/276-adafruit+industries-29094024 http://octopart.com/1358-adafruit+industries-32978384
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Piler Dr. Meter' 60 Watts High-performance Soldering Iron Lead-free Solder's Flool 1-1-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. SD card DC Power Supply Micro-HDMI Cable Ethernet Cable CS Barel Jack Pilg	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 4		-	\$ 34.95 \$ 5 4.00 \$ 5 9.00 \$ 5 4.00 \$ 5 4.00 \$ 5 5 4.00 \$ 5 5 4.00 \$ 5 5 4.00 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	34.95 4.00 9.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon SparkFun Adafruit	http://octopart.com/276-adafruit+industries-29094024
Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-096 5-inch Needle Nose Plier Dr. Meter* 60 Watts High-performance Soldering Iron Lead-Free Solder 5' Roll - 16-99 Felbao tools Wire Cutter Plier Yellow 4.5 Inch 125 Mm Irwin Industrial Tools 2078/300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. SD card DC Power Supply Micro-HDMI Cable Ethernet Cable	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 1 4		-	\$ 34.95 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 6.50 \$ \$ 19.98 \$ \$ \$ \$ 5.95 \$ \$ 6.95 \$ \$ 1.55 \$ \$ 1.55 \$ \$ 1.76 \$ \$ \$ 1.55 \$ \$ 1.76 \$ \$ \$ 1.76 \$ \$ \$ 1.55 \$ \$ 1.76 \$ \$ 1.55 \$ \$ 1.76 \$ \$ 1.55 \$ \$ 1.76 \$ \$ 1.55 \$ \$ 1.76 \$ \$ 1.55 \$ 1.76 \$ \$ 1.55 \$ 1.76 \$ \$ 1.55 \$ 1.76 \$ \$ 1.76 \$ \$ 1.55 \$ 1.76 \$ \$ 1.	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon SparkFun Adafruit Amazon	http://octopart.com/276-adafruit+industries-29094024 http://octopart.com/1358-adafruit+industries-32978384
Tools Crimping Tool: 0.1-1.0 mm² Capacity, 16-28 AWG Stanley 84-966 5-inch Needle Nose Piler Dr. Meter* 60 Watts High-performance Soldering Iron Lead-free Solder 'S Roll - Lf-99 Felbao tools Wire Cutter Piler Yellow 4.5 inch 125 Mm Irwin Industrial Tools 2078300 8-inch Self-Adjusting Wire Stripper Tools Total Misc. 5D card DC Power Supply Micro-HDMI Cable Ethernet Cable DC Barel Jack Pilg DC Wall Power Supply	Needle Nose Pliers Soldering Iron Solder Wire Cutters	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	\$ 34.95 \$ \$ 4.00 \$ \$ \$ 9.00 \$ \$ \$ 6.50 \$ \$ 19.98 \$ \$ \$ \$ \$ 5.95 \$ \$ \$ 6.55 \$ \$ 5 6.55 \$ \$ 6.5	34.95 4.00 9.00 4.00 6.50 19.98 78.43	Amazon Amazon Amazon Amazon Amazon Amazon Amazon SparkFun Amazon SparkFun Amazon	http://octopart.com/276-adafruit+industries-29094024 http://octopart.com/1358-adafruit+industries-32978384