Bill of Materials

Product Name	Hexapod
Assembly (Parent) Description	Main Hexapod Assembly
Current Revision	REV A - 122023
Assembly (Parent) Cost	$400.08
3D Printing Cost	$87.49
Off the Shelf Part Cost	$312.59

					Quantity			Cost			REV Description			
Level	Item Name	Item Description & Notes	Price	Unit of Measure	REV A	REV B	REV C	REV A2 - 122023	REV B -	REV C -	REV A - Initial Design	REV B -	REV C -	Life Cycle Phase
1	Base	3D Printed Item	$17.91	Each	1			$17.91						Design
2	LiPo Battery	Zeee 2S Lipo Battery	$32.99	Each	1			$32.99						In Cart
3	Battery Cover	3D Printed Item	$1.22	Each	1			$1.22						Design
4	Base - Arduino Plate	3D Printed Item	$2.42	Each	1			$2.42						Design
5	ArduinoMega	ELEGOO MEGA 2560	$20.99	Each	1			$20.99						In Cart
6	Base - Cover	3D Printed Item	$3.26	Each	1			$3.26						Design
7	SubAssembly - Base Servo Holder	Sub-assembly	$13.32	Each	6			$79.93						Design
7.1	Base - Servo Holder	3D Printed Item	$0.40	Each	1			$0.40						Design
7.2	Servo Motor	DS3230	$12.68	Each	1			$12.68						In Cart
7.3	ThreadedInsert_M3 Standard	Threaded insert M3 Standard	$0.12	Each	2			$0.24						In Cart
8	Base - Bearing Plate	3D Printed Item	$0.38	Each	6			$2.28						Design
9	SubAssembly - Leg	Sub-assembly	$37.36	Each	6			$224.17						Design
9.1	Coxa	3D Printed Item	$1.59	Each	1			$1.59						Design
9.2	Servo Horn	Included with motor, along with appropriate screws	-	Each	3			-						Design
9.3	Servo Motor	DS3230	$12.68	Each	2			$25.37						In Cart
9.4	Coxa - Bearing Plate	3D Printed Item	$0.35	Each	1			$0.35						Design
9.5	Femur	3D Printed Item	$1.95	Each	1			$1.95						Design
9.6	Femur - Bearing Arm	3D Printed Item	$1.11	Each	1			$1.11						Design
9.7	608RS Ball Bearing	608RS ball bearings	$0.70	Each	2			$1.40						In Cart
9.8	Tibia	3D Printed Item	$3.32	Each	1			$3.32						Design
9.9	Tibia - Bearing Plate	3D Printed Item	$0.36	Each	1			$0.36						Design
9.10	ThreadedInsert_M3 Standard	Threaded insert M3 Standard	$0.12	Each	13			$1.56						In Cart
9.11	B18.6.7M - M3 x 0.5 x 10 Type I Cross Recessed FHMS --10N	M3 Phillips Flat Head Countersunk Screw 10 mm Length	$0.04	Each	5			$0.20						In Cart
9.12	B18.6.7M - M3 x 0.5 x 13 Type I Cross Recessed FHMS --13N	M3 Phillips Flat Head Countersunk Screw 13 mm Length	$0.04	Each	4			$0.16						In Cart
10	Coxa - Bearing Arm	3D Printed Item	$0.98	Each	6			$5.89						Design
11	608RS Ball Bearing	608RS ball bearings	$0.70	Each	6			$4.19						In Cart
12	ThreadedInsert_M3 Standard	Threaded insert M3 Standard	$0.12	Each	16			$1.92						In Cart
13	ThreadedInsert_M3 Short	Threaded insert M3 Short	$0.12	Each	6			$0.72						In Cart
14	B18.6.7M - M3 x 0.5 x 10 Type I Cross Recessed FHMS --10N	M3 Phillips Flat Head Countersunk Screw 10 mm Length	$0.04	Each	6			$0.24						In Cart
15	B18.6.7M - M3 x 0.5 x 13 Type I Cross Recessed FHMS --13N	M3 Phillips Flat Head Countersunk Screw 13 mm Length	$0.04	Each	28			$1.10						In Cart
16	B18.6.7M - M3 x 0.5 x 8 Type I Cross Recessed FHMS --8N	M3 Phillips Flat Head Countersunk Screw 8 mm Length	$0.04	Each	6			$0.24						In Cart
17	B18.6.7M - M3 x 0.5 x 20 Type I Cross Recessed FHMS --20N	M3 Phillips Flat Head Countersunk Screw 20 mm Length	$0.04	Each	12			$0.47						In Cart
18	B18.6.7M - M3 x 0.5 x 6 Type I Cross Recessed PHMS --6N	M3 Phillips Pan Head Screw 6 mm Length	$0.04	Each	3			$0.13						In Cart