

Mechanical BOM
2025-01-25
D. Iacobacci

[Google Sheets Link](#)

Type	Item	Quantity	Approx. Unit Cost	Approx. Total Cost	Notes	Purchased / Completed
Printed Parts	base	1	-			<input type="checkbox"/>
Printed Parts	s0	6	-	-		<input type="checkbox"/>
Printed Parts	s1	6	-	-		<input type="checkbox"/>
Printed Parts	s2	6	-	-		<input type="checkbox"/>
Printed Parts	s2_cover	6	-	-		<input type="checkbox"/>
Printed Parts	s3	6	-	-		<input type="checkbox"/>
Printed Parts	bearing_connector	18	-	-		<input type="checkbox"/>
Printed Parts	toes	6	-	-		<input type="checkbox"/>
Printed Parts	feet	6	-	-		<input type="checkbox"/>
Printed Parts	brace	1	-	-		<input type="checkbox"/>
Printed Parts	pcb_standoff	4	-	-		<input type="checkbox"/>
Printed Parts	led_ring	1	-	-		<input type="checkbox"/>
Bearings	<u>Deep Groove Ball Bearings, ID 8mm x OD 14mm x Width 4mm</u>	14	\$0.50	\$7.00		<input type="checkbox"/>
Screws	M4 x 10 Knurled-Head Thumb Screw	5	\$3.40	\$17.00		<input type="checkbox"/>
Screws	<u>M4 x 55 Hex Drive Socket Head Screw</u>	12	\$0.95	\$11.38		<input type="checkbox"/>
Screws	<u>M3 x 10 Hex Drive Flat Head Screw</u>	36	\$0.07	\$2.63		<input type="checkbox"/>
Screws	<u>M3 x 8 Hex Drive Button Head Screw</u>	21	\$0.08	\$1.68	Attaches leg pcb to S0; Led ring to base	<input type="checkbox"/>
Screws	<u>M4 x 10 Hex Drive Flat Head Screw</u>	72	\$0.07	\$5.26		<input type="checkbox"/>
Screws	<u>M2 x 12 Phillips Drive Self-Tapping Button Head Screw</u>	12	\$0.01	\$0.17	Attaches microswitches to s3	<input type="checkbox"/>
Screws	<u>M2.5 x 16 Hex Drive Button Head Screw</u>	4	\$0.04	\$0.14	Raspberry Pi + Shield Attachment	<input type="checkbox"/>
Heat Set Inserts	<u>M2.5 x 5.8</u>	4	\$0.13	\$0.51		<input type="checkbox"/>
Heat Set Inserts	<u>M3 x 5 x 4</u>	27	\$0.12	\$3.24		<input type="checkbox"/>
Heat Set Inserts	<u>M4 x 4.7</u>	77	\$0.14	\$10.78		<input type="checkbox"/>
Magnets	25 x 5 x 3 Neodymium Magnets Bars	24	\$0.33	\$8.00		<input type="checkbox"/>
Total				\$67.80		<input type="checkbox"/>