Mechanical BOM
2025-02-01
D. Iacobacci
Google Sheets Link

Type	Item	Quantity	Approx. Unit Cost	Approx. Total Cost	Notes	Purchased / Completed
Printed Parts	base	1		-		☐
Printed Parts	s0	6	-	-		☐
Printed Parts	s1	6	-	-		☐
Printed Parts	s2	6	-	-		☐
Printed Parts	s2_cover	6	-	-		☐
Printed Parts	s3	6	-	-		☐
Printed Parts	bearing_connector	18	-	-		☐
Printed Parts	toes	6	-	-		☐
Printed Parts	feet	6	-	-		☐
Printed Parts	brace	1	-	-		☐
Printed Parts	pcb_standoff	4	-	-		☐
Printed Parts	led_ring	1	-	-		☐
Bearings	Deep Groove Ball Bearings, ID 8mm x OD 14mm x Width 4mm	14	$0.50	$7.00		☐
Screws	M4 x 10 Knurled-Head Thumb Screw	5	$3.40	$17.00		☐
Screws	M4 x 55 Hex Drive Socket Head Screw	12	$0.95	$11.38		☐
Screws	M3 x 10 Hex Drive Flat Head Screw	36	$0.07	$2.63		☐
Screws	M3 x 8 Hex Drive Button Head Screw	21	$0.08	$1.68	Attaches leg pcb to S0; Led ring to base	☐
Screws	M4 x 10 Hex Drive Flat Head Screw	72	$0.07	$5.26		☐
Screws	M2 x 12 Phillips Drive Self-Tapping Button Head Screw	12	$0.01	$0.17	Attaches microswitches to s3	☐
Screws	M2.5 x 16 Hex Drive Button Head Screw	4	$0.04	$0.14	Raspberry Pi + Shield Attachment	☐
Heat Set Inserts	M2.5 x 5.8	4	$0.13	$0.51		☐
Heat Set Inserts	M3 x 5 x 4	27	$0.12	$3.24		☐
Heat Set Inserts	M4 x 4.7	77	$0.14	$10.78		☐
Magnets	25 x 5 x 3 Neodymium Magnets Bars	24	$0.33	$8.00		☐
Dowel Pin	5mm x 40mm Stainless Steel Dowel Pin	6	$1.20	$7.22		☐
	Total			$67.80		☐