

Switch-Adapts	Price (\$)	Link
Big Total	877.88	~
Air Cannon (AirToobz)	129.95	AC
Bubble	0.00	B
Capacitive Pressure Switch	16.44	CPS
PLA/PETG (6kg)	77.94	PLA
Rubber Grip Sheet	9.99	RGS
Wooden Board 3x6ftm (Tentative)	67.62	
Spider man toy	0.00	SP
Fubbles Bubble Machine 2	21.52	FBM
Dyanmo		
775 DC Motor	15.99	MO
8mm shaft	26.07	SH
15mm shaft	9.99	SH
lock bearing (15ID 35 OD)	27.66	BG
608-2rs bearing (ID8 22OD)	5.99	BG
nonlock bearing (6202-ZZ)	8.05	BG
Airtoobz		
Encoder	18.88	EC
Seedulino	10.99	SD
2035 bearing (20 ID 35 OD)	8.19	BG
20mm OD rod	17.99	RD

Fidget Board	Price (\$)	Link
Total	145.67	~
Latch	6.99	L
Latch & Door (wood)		
Door hinge	6.89	DH
Plug	0	P
Zipper (CM)		Z
Rotary Dial	0	RD
Xylophone	0	X
Music Box	0	MB
Gear Train (JV)		
Sliding Tile Puzzle (TH)		
Door Stopper	7.11	DS
Flipping Sequins	0	FS
Octopus Mechanism (SC)		
Labyrinth (CS)		
Bike Horn	0	BH
Embedded Roller (click) (CM)		
Big Lever Light Switch		
Fidget Spinner (JV)		
Beads in Disc (Rotating Bead Wheel)		
Mechanical Buttons (Creamy)	0	MBC
Button Set	0.00	BS
Paint (Vibrant Green & Yellow 2 pack, 2	18.00	PT
acrylic enclosure 1/8th in, 12x24 (2 or 3	26.88	AC
Pilot Light (24v)	0	PL
Giant Keyboard SWITCH (x4)	79.8	KBS

Rube-Goldberg Machine	Price (\$)	Link	Voltage	Purpose
Total	258.99	~		
LED Strips	41.98	LED	5v	Illuminate rube goldberg path casino style (Addressable)
ESP32	19.99	ARD	5v	Brains
Push buttons	18.99	PB	12v	Interactive
LED Matrix 32x32	39.95	LEDM	12v	Display screen (stuff falling over - push button to interact with it - sand)
24v PSU	16.99	PSU	+5V/8A +12V/8A +24V/3A	Poweer
Multiple voltage PSU Reg	0	PSU	5, 3.5, 12v output 10-40V 3A input	power
DAC	16.99	AB		Audio
1.5W 8ohm Audio Driver	6.99	AD		Audio
Protoboard	13.49	PB		
Wire	11.99	W		Power
Breadboard	8.99	BB		
Rotating LED matrix (Sand)				
Slip Ring	24.59	SR		
Imu	11.79	IMU		
Audio				
Volume Rocker	6.99	VR		
Mute (Toggle Rocker)	9.34	MTR		
Abacus (Wood & PLA)				
Dowel (3/8) x 12in	9.89	DW		

discontinued
to model
ignored
total
purchased

Potential budget fixes

Standardize shaft size, bearing type
15mm shaft, 6202 bearings

Dynamo & Airtoobz (new)	158.12
15mm shaft (3x)	32.97
nonlock bearing (6202-ZZ) (1x)	48.30
775 DC Motor (1x)	15.99
Encoder	18.88
Seedulino	10.99
lock bearing (15ID 35 OD)	30.99

Something wrong...

Dynamo (old)	93.75
Airtoobz (old)	56.05
Total	149.80

Description or Vendor Link	Qty	Cost per part	Total Cost
Air Cannon	1	129.95	129.95
Fubble Bubble Machine	1	21.52	21.52
Paint	1	18.00	18.00
Giant Keyboard Switches	4	19.95	79.80
Latch	1	6.99	6.99
Door Stopper	1	7.99	7.99
Acrylic	2	13.44	26.88
Door Hinge	1	7.56	7.56
PLA (3 Mint green, 3 Vivid yellow)	6	12.99	77.94
Rubber Grip Sheet	1	9.99	9.99
MO	1	15.99	15.99
LED Strip	2	20.99	41.98
SH	3	8.69	26.07
Encoder	1	18.99	18.99
Capacitive Pressure Switch	1	16.44	16.44
SH	1	9.99	9.99
BG	1	27.66	27.66
Seedulino	1	10.99	10.99
608-2rs	1	5.99	5.99
2035 bearing (20 ID 35 OD)	1	8.19	8.19
6202-ZZ	1	8.05	8.05
ARD	1	19.99	19.99
20mm OD rod	1	17.99	17.99
Mute (Toggle Rocker)	1	9.34	9.34
DAC	1	16.99	16.99
1.5 W 8 Ohm Audio Driver	1	6.99	6.99
Arcade Button	1	18.99	18.99
Volume Rocker	1	6.99	6.99
Wire	1	11.99	11.99
LEDM	1	39.95	39.95
24v psu	1	16.99	16.99
Protoboard	1	13.49	13.49
Slip Ring	1	24.59	24.59
Breadboard	1	8.99	8.99
IMU	1	11.79	11.79
Birchwood Board (1/4 in x 4 ft x 8 ft)	2	46.74	93.48
Wooden Board (2 in x 4 in x 8 ft)	6	4.25	25.50
Wooden Pole 8 ft x 1 in	3	12.55	37.65
			958.66