Row Number	Name	(Major/Minor Components)	Quantity	Material	Body Type	Unit Mass (g)	Total Mass (g)	Diameter/ Width (mm)	Length (mm)	Height (mm)
	CougSat 1	Major	1	Mixed	Box	772.85	772.85	100	113.5	100
1	Structure	Major	1	Aluminium 6061-T6	Hollow Box	240.96	240.96	100	113.5	100
2	Spring Plunger	Minor	2	AISI 304	Cylinder	1.03	2.06	4.17	15.16	4.17
3	Button Head Hex Drive Screw	Minor	6	Black-Oxide Alloy Steel	Bolt	0.05	0.3	5.7	5.65	5.7
4	Black-Oxide Alloy Steel Socket Head Screw	Minor	2	Black-Oxide Alloy Steel	Bolt	0.02	0.04	3	6.6	3
5	Switch Block	Minor	1	Aluminun 6061-T6	Box	0.25	0.25	5	7	4
6	18-8 Stainless Steel Threaded Rod	Minor	1	18-8 Stainless Steel	Cylinder	0.24	0.24	3	12	3
7	Magnetorquer Standoff	Minor	3	Aluminun 6061-T6	Flat Rectangle	9.92	29.76	81	92	3.8
8	Heat sink Standoff	Minor	2	Aluminum 6061-T6	Bent Rectangle	4	8	27	30.5	3.8
9	Button Head Hex drive screw	Minor	4	Black-Oxide Alloy Steel	Bolt	0.55	2.2	5.7	9.65	5.7
10	Button Head Hex drive screw	Minor	2	Black-Oxide Alloy Steel	Bolt	0.08	0.16	5.7	11.65	5.7
11	Black-Oxide Alloy Steel Socket Head Screw	Minor	4	Black-Oxide Alloy Steel	Bolt	0.68	2.72	5.5	8	5.5
12	Black-Oxide Alloy Steel Socket Head Screw	Minor	12	Black-Oxide Alloy Steel	Bolt	0.73	8.76	5.5	9	5.5
13	316 Stainless Steel Washer	Minor	12	316 Stainless Steel	Cylinder	0.15	1.8	0.5	0.7	0.5
14	Camera Lens	Minor	3	Plastic/Glass	Cylinder	5	15	14	17.8	14
15	GPS Patch Antenna	Minor	1	Ceramic	Box	10	10	25	25	4
16	Li-ion Batteries	Minor	2	Lithium	Cylinder	45	90	18	65	18
17	Antenna	Minor	1	Nitinol	Straight Wire	0.5	0.5	0.6	350	0.6
18	Antenna	Minor	1	Nitinol	Helical Wire	1.6	1.6	0.6	1500	0.6
19	Solar Cell	Minor	8	Glass & Germanium	Flat	8	64	69	40	0.5
20	Germination Chamber	Major	1	Aluminum 6061-T6	Hollow Box	164.6	164.6	98	96	34.3
21	Clamping Plate	Minor	1	Aluminum 6061-T6	Flat Plate	59.9	59.9	91	86	5
22	Magentorquer coil	Minor	3	Copper	Loop of Wire	22	66	80	90	4
23	Low gain antenna form	Minor	4	Brass	Arc	1	4	12	5	4