

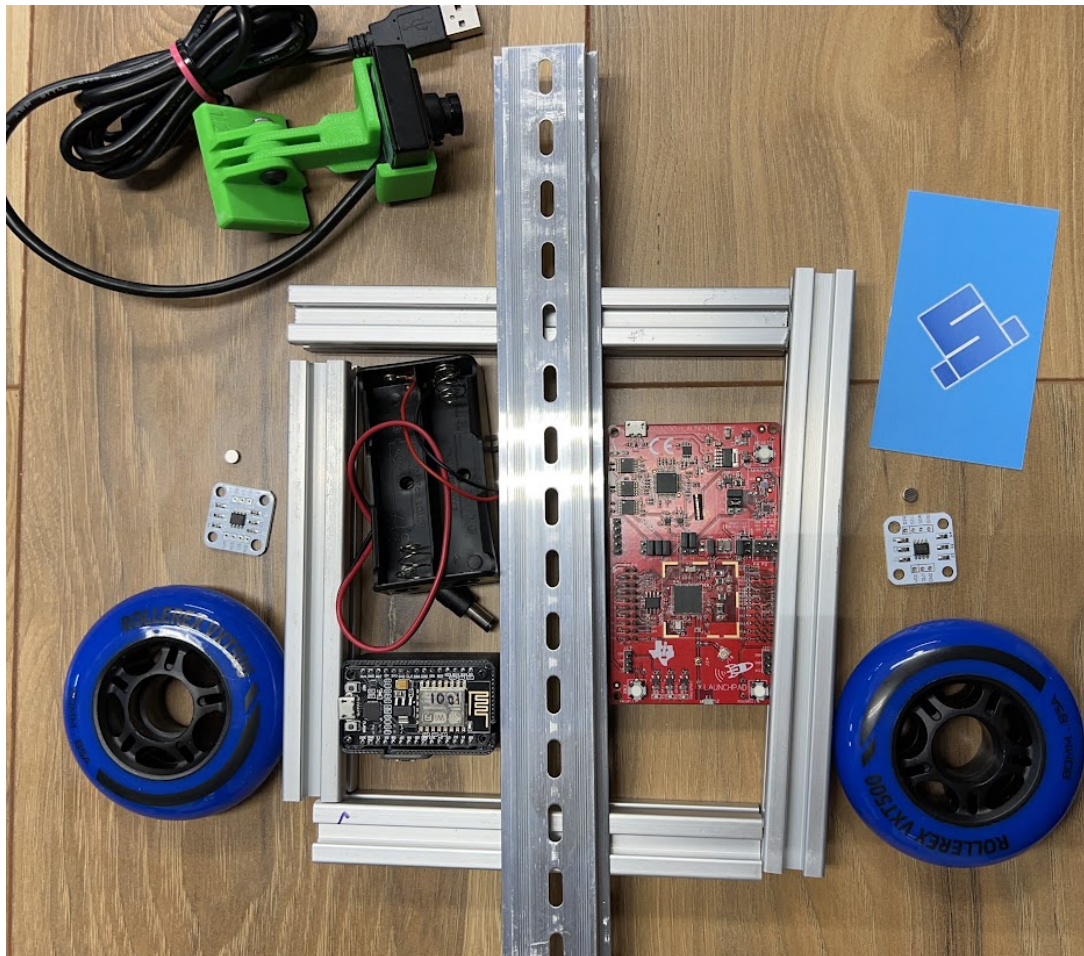
Miniature SCUTTLE (1/2 scale) Bill of Materials

Last Updated: 6/11/2022

Item	Product	Price	Fraction Req'd	Selected?	Subtotal
Extrusion	10pcs 1m amazon	93.99	0.08	1	7.52
Motor Driver	4pcs L298N Amazon	12.99	0.2	1	2.60
Encoders	AS5600 10-bit Encoder, Amazon	17.99	0.4	1	7.20
Motors	10pcs gearmotor 113RPM Amazon	33.95	0.2	1	6.79
Connectors	75pcs lever wire connectors	11.98	0.1	1	1.20
Camera	arducam 5mp	9.99	1	1	9.99
Battery	LiPo 4pack Amazon	35.82	0.25	1	8.96
Fasteners	M5 drop in nuts	8.99	0.1	1	0.90
DIN rail	10pcs 1m amazon	39.99	0.025	1	1.00
Corners	20sets M5 corner brkt	21.97	0.1	1	2.20
casters	50pcs blue caster amazon	54.99	0.04	1	2.20
belts	timing belt GT2, 10pcs, amazon	7.99	0.2	1	1.60
pulley	aluminum pulley GT2x16, amazon	7.99	0.4	1	3.20
3D Parts	Filament, 1kg, amazon	19.99	0.2	1	4.00

TOTAL

59.33



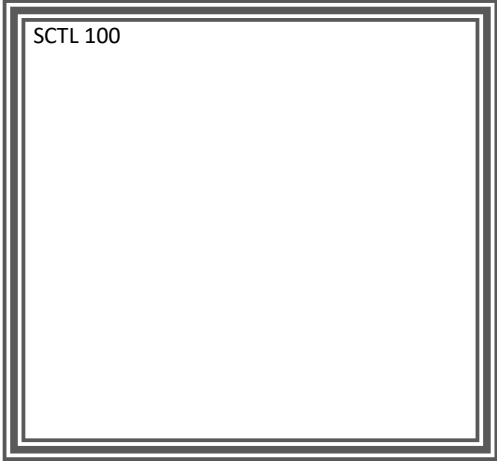
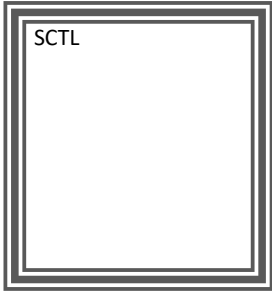
SCUTTLE Chassis Dimensions

Updated 2/22/2025
Author D Malawey

Table 1: Chassis Dimension

recommended scale for standardized variants

Original	Width (mm)	Length (mm)	extrusion (mm)	Payload (kg)
SCTL	305	365	30	10
SCLT-10	160	200	20	40
SCTL-100	500	600	30	100



ms excel images (vector graphics) above are scaled to relative size of chassis