

Project Number: RAM205 Yahboom G1 Tank Extension Parts

Assembly Name: Student Kit

Assembly Revision: 3.05

Revision Date: 1/6/2025

BOM Level	0	1	2	3	NMC Part #	Part Name	Quantity	Unit of Measure	Procurement Type	Cost	Price
1		*				400 Point Breadboard	1	each	OTS	\$ 1.67	\$ 1.67
1		*				Power Supply with Barrel Connector 12V, 3A	1	each	OTS	\$ 9.49	\$ 9.49
1		*				Barrel Connector Extension Leads - Pair	1	each	OTS	\$ 0.95	\$ 0.95
1		*				Trailer LED Assembly	1	each	OTS	\$ 2.60	\$ 2.60
1		*				MOSFet Module	1	each	OTS	\$ 1.40	\$ 1.40
1		*				Mini Micro JST 2.0 PH 2-Pin cable	1	each	OTS	\$ 0.30	\$ 0.30
1		*				Servo Cable Male to Female 15cm	2	each	OTS	\$ 0.60	\$ 1.20
1		*				Servo Cable Male to Male 10cm	2	each	OTS	\$ 0.33	\$ 0.67
1		*				Jumper wires Male to Male 10cm (10x - 10 colors)	1	each	OTS	\$ 1.20	\$ 1.20
1		*				Test Leads (5x - 5 colors)	1	each	OTS	\$ 1.70	\$ 1.70
1		*				Red LED	2	each	OTS	\$ 0.04	\$ 0.07
1		*				Micro switch	2	each	OTS	\$ 0.30	\$ 0.60
1		*				10K 1/4W Resistor	2	each	OTS	\$ 0.04	\$ 0.08
1		*				330 1/4W Resistor	2	each	OTS	\$ 0.04	\$ 0.08
1		*				Zip Tie extra small 3 inch	3	each	OTS	\$ 0.01	\$ 0.03
1		*				Screw #4 1/2 in	3	each	OTS	\$ 0.03	\$ 0.09
1		*				Locknut #4	3	each	OTS	\$ 0.03	\$ 0.09
1		*				Spacer #4 1/8 in	3	each	OTS	\$ 0.03	\$ 0.09
1		*				LED assembly screw (included in Trailer LED package?)	3	each	OTS	\$ 0.03	\$ 0.09
1		*				LED assembly nut	3	each	OTS	\$ 0.03	\$ 0.09
1		*				Meter fuse 10A	1	each	OTS	\$ 0.60	\$ 0.60
1		*				AA Battery	2	each	OTS	\$ 0.40	\$ 0.79
1		*				Storage container	1	each	OTS	\$ 0.34	\$ 0.34

Notes

subtotal \$ 24.22