

Part #	Component	Description	Quantity	Cost Per Unit	Total Cost
HE1A	<a href="#">MK8 HotEnd</a>	Pre-assembled Ender 3 hot end	1	19	19
HE2A	<a href="#">Heat Break Fan</a>	FAN AXIAL 40X20MM 24VDC WIRE 4.4 CFM	1	6	6
HE3A	<a href="#">Print Fan</a>	Ender 3 Stock Print Fan	1	9	9
HE4A	<a href="#">Mini Heated Bed</a>	100mm x 100mm 24/12V Openbuild Heated Bed	1	10.99	10.99
HE5A	<a href="#">Bed Thermistor</a>	THERM NTC 100KOHM 4263K BEAD	1	1.19	1.19
HE6A	<a href="#">Bowden Tube</a>	Bowden PTFE Tube for 1.75mm Filament with Fittings	1	11.45	11.45
HW1	<a href="#">Z-Axis 3030 Aluminum Extrusion</a>	288.5mm Long, Black Anodized	1	6.66	6.66
HW2	<a href="#">Y-Axis 3030 Aluminum Extrusion</a>	261mm Long, Black Anodized	2	6.66	13.33
HW3	<a href="#">MGN12H Linear Rail</a>	200mm Long	4	13.99	55.96
HW4	<a href="#">8mm Metric Acme Lead Screw</a>	290mm long	1	10.99	10.99
HW5	<a href="#">Anti-Backlash Nut Block</a>	For 8mm Metric Acme Lead Screw	1	9.99	9.99
HW6	<a href="#">5mm * 8mm Flexible Coupling</a>	For 8mm Metric Acme Lead Screw	1	6.99	6.99
HW7	<a href="#">Flanged Bearing</a>	688ZZ 8x16x5	2	1.5	3
HW8	<a href="#">Timing Belt</a>	GT2-2M, 5 Ft.	1	12.45	12.45
HW9	<a href="#">Belt Crimps</a>	Copper	4	2.5	10
HW10	<a href="#">Smooth Idler Pulley</a>	OD: 22mm ID: 16mm Width: 12.7mm	2	5.99	11.98
HW11	<a href="#">Extruder Drive Gear</a>	36Teeth Bore 5mm Stainless Steel Drive Gear	1	6.99	6.99
HW12	<a href="#">Timing Pulley Gear</a>	30 Tooth GT2-2M	2	6.99	13.98
HW13	<a href="#">Bearing Block Spacer</a>	M5 ID, 40mm,10mm OD, Aluminum	4	1.5	6
HW14	<a href="#">Extruder Idler Bearing</a>	4mmx13mmx4mm Double Metal Shielded Carbon Steel Bearings	1	0.66	8
E1A	<a href="#">RAMPS 1.4 Sheild</a>	Shield For Arduino Mega	1	10	10
E2A	<a href="#">Arduino Mega</a>	Mega 2560 5V	1	20.99	20.99
E3A	<a href="#">24V Meanwell Power Supply</a>	LRS-350-24, 24V/14.6A MeanWell Power Supply	1	37.52	37.52
E4A	<a href="#">Stepper Motor Driver</a>	A4988 clones, 5 drivers and 5 heatsinks per 10\$	4	2	10
E5A	<a href="#">End Stop Switches</a>	Kailh BOX Black Switches Plate Mount - Linear	3	1.16	3.5
E6A	<a href="#">Stepper Motor</a>	42-40 Stepper Motor, 2 Phase 1A 1.8 Degree 0.4 N.M	4	13	52
E7A	<a href="#">JST 2Pin Connector Female</a>	Amazon, 20pcs per 8.99\$	7	0.45	8.99
E8A	<a href="#">Stepper Motor Cabels</a>	Amazon, 6pcs per 11\$	4	1.83	11
P1	<a href="#">X-AxisBackPlate</a>	41g PETG, 0.8mm nozzle, 20% infill	1	1.03	1.03
P2	<a href="#">X-AxisMotorFixture</a>	31g PETG, 0.8mm nozzle, 20% infill	1	0.78	0.78
P3A	<a href="#">HotEndBackPlate</a>	8g PETG, 0.8mm nozzle, 20% infill	1	0.2	0.2
P4	<a href="#">HotEndFrontPlate</a>	6g PETG, 0.8mm nozzle, 20% infill	1	0.15	0.15
P5	<a href="#">X-AxisBackPlateSpacer</a>	1g PETG, 0.8mm nozzle, 20% infill	2	0.03	0.06

P6	<a href="#">X-AxisTensionerBase</a>	40g PETG, 0.8mm nozzle, 20% infill	1	1	1
P7	<a href="#">Y-AxisRailConnectingPlate</a>	14g PETG, 0.8mm nozzle, 20% infill	1	0.35	0.35
P8	<a href="#">BedBasePlate</a>	27g PETG, 0.8mm nozzle, 20% infill	1	0.68	0.68
P9	<a href="#">LevelingKnob</a>	1g PETG, 0.8mm nozzle, 20% infill	4	0.03	0.12
P10	<a href="#">Y-AxisFrontPlate</a>	42g PETG, 0.8mm nozzle, 20% infill	1	1.05	1.05
P11	<a href="#">BearingPillowBlockPlate</a>	5g PETG, 0.8mm nozzle, 20% infill	1	0.13	0.13
P12	<a href="#">Z-AxisMotorFixture</a>	16g PETG, 0.8mm nozzle, 20% infill	1	0.4	0.4
P13	<a href="#">LeadScrewBearingFixture</a>	16g PETG, 0.8mm nozzle, 20% infill	1	0.4	0.4
P14	<a href="#">Y-AxisRearPlate</a>	54g PETG, 0.8mm nozzle, 20% infill	1	1.35	1.35
P15	<a href="#">X-AxisTensioner</a>	13g PETG, 0.8mm nozzle, 20% infill	1	0.33	0.33
P16	<a href="#">ExtruderMotorFixture</a>	25g PETG, 0.8mm nozzle, 20% infill	1	0.63	0.63
P17	<a href="#">PowerSupplyMountingPlate</a>	126g PETG, 0.8mm nozzle, 20% infill	1	3.15	3.15
P18	<a href="#">Y-AxisTensioner</a>	10g PETG, 0.8mm nozzle, 20% infill	1	0.25	0.25
P19	<a href="#">Y-AxisBeltAnchor</a>	2g PETG, 0.8mm nozzle, 20% infill	1	0.05	0.05
P20	<a href="#">X-AxisEndStop</a>	5g PETG, 0.8mm nozzle, 20% infill	1	0.13	0.13
P21	<a href="#">HotEndSpacer</a>	3g PETG, 0.8mm nozzle, 20% infill	4	0.08	0.32
P22	<a href="#">Z-AxisBasePlate</a>	70g PETG, 0.8mm nozzle, 20% infill	1	1.75	1.75
P23A	<a href="#">PrintFanFixture</a>	6g PETG, 0.8mm nozzle, 20% infill	1	0.15	0.15
P25	<a href="#">Z-AxisEndStopFixture</a>	3g PETG, 0.8mm nozzle, 20% infill	1	0.08	0.08
P26	<a href="#">Y-AxisEndStopFixture</a>	10g PETG, 0.8mm nozzle, 20% infill	1	0.25	0.25
P27	<a href="#">FrontBasePlate</a>	50g PETG, 0.8mm nozzle, 20% infill	1	1.25	1.25
P28	<a href="#">ArduinoCaseBottom</a>	119g PETG, 0.8mm nozzle, 20% infill	1	2.98	2.98
P29	<a href="#">ArduinoCaseTop</a>	117g PETG, 0.8mm nozzle, 20% infill	1	2.93	2.93
P30	<a href="#">ArduinoCaseGrate</a>	10g PETG, 0.8mm nozzle, 20% infill	1	0.25	0.25
P31	<a href="#">Y-Z-AxisConnectingBracket</a>	7g PETG, 0.8mm nozzle, 20% infill	1	0.18	0.18
P32	<a href="#">ExtruderLever</a>	7g PETG, 0.8mm nozzle, 20% infill	1	0.18	0.18
P33	<a href="#">ExtruderPlate</a>	11g PETG, 0.8mm nozzle, 20% infill	1	0.28	0.28
P34	<a href="#">ExtruderSpringEndstop</a>	1g PETG, 0.8mm nozzle, 20% infill	1	0.03	0.03
P35	<a href="#">EndStopCap</a>	2g PETG, 0.8mm nozzle, 20% infill	1	0.05	0.05
P36	<a href="#">BacklashNutSpacer</a>	1g PETG, 0.8mm nozzle, 20% infill	2	0.03	0.06
F1A	<a href="#">M3 Socket Head Kit</a>	Contains required fastners F1-F6 and F20	1	19	19
F7	<a href="#">M3x45mm Socket Head</a>	Openbuilds, 1 pc per 0.29\$	4	0.29	1.16
F8	<a href="#">M3x70mm Socket Head</a>	amazon, 10pcs per 8\$	4	1.25	8
F2A	<a href="#">M3 Flat Head Kit</a>	Contains required fastners F9-F12	8	0.05	5.45

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