

# LDO V0.1 Kit BOM

Parts Box	Items/Specs/Part NO	Qty.
Build Plate & Parts	Drag Chain, 7x7mm	1
	Aluminum Build Plate, 120x120x8mm Cast Aluminum	1
	Keenovo Silicone Heater, 100x100mm, 24VDC 60W, w/ Thermal Fuse	1
	Die Springs, Yellow, 8x4x20mm	3
	<b>LDO</b> Flex Plate, 120x120mm, Double Side PEI Coated	1
	<b>LDO</b> Flex Plate, 120x120mm, Single Side Smooth PEI	1
	Rubber Magnetic Pad, 120x120mm (130 DegC MAX)	1
	Thumb Nut, M3, SS304	3
Electronics & Wiring	DC/DC Buck Converter, 24V to 5V	1
	MicroSD Card, 16G	1
	Blower Fan, 3010, 24V	2
	Axial Fan, 3006, 5V	1
	AC Inlet	1
	Fuse, Slow Blow, 250VAC 2A	2
	Heat Cartridge, 24V 50W	1
	Thermistor, NTC 100K B3950	1
	<b>LDO</b> V0.1 Cable Kit (pre-cut&wired)	1
	Bowden Tubing, 4x3mm	1
	Zip Ties, 3x150mm	100

Fasteners, Tools & Misc	Shim Washer, 6x3x0.5mm	38
	Hex Nut, M2	60
	Hex Nut, M3	130
	Square Nut, M3	110
	Lock Nut, M3	6
	Machine Screw, BHCS, M2x6	75
	Machine Screw, FHCS, M2x6	12
	Machine Screw, SHCS, M2x8	12
	Machine Screw, BHCS, M2.5x6	6
	Machine Screw, BHCS, M3x6	63
	Machine Screw, BHCS, M3x8	110
	Machine Screw, BHCS, M3x10	28
	Machine Screw, BHCS, M3x12	28
	Machine Screw, BHCS, M3x16	6
	Machine Screw, BHCS, M3x25	12
	Machine Screw, BHCS, M3x30	12
	Machine Screw, BHCS, M3x35	33
	Machine Screw, BHCS, M3x40	12
	Self-tapping Screw, M2x10	17
	T Nut, 15x5.4x1.5	2
	Brass Heatset Insert, M3x5x4	60
	<b>LDO</b> customized Brass Heatset Insert Tool (Solder Tip)	1
	3M VHB Tape	1
	Rubber Feet, 14x11x9mm	4
	Magnets, Neodymium, Round, 6x3mm	10
	Drill bit, 2mm	1

	Hex Wrench, 1.5mm	3
	Hex Wrench, 2mm	1
	Hex Wrench, 2.5mm	1
Frame Kit	<b>LDO</b> V0 Frame kit (Color options: Black, Red, Blue, Purple, Green, Orange, Gold)	1
Linear Rail Kit	<b>LDO</b> customized Linear Rail Mounting Bar for V0.1	5
	<b>LDO</b> Stainless Steel Linear Rail Kit 5xLDO-SLR7H-150Z0	1
	<b>LDO</b> Anti Backlash Nut, POM, Tr8X8	1
Motor Kit	<b>LDO</b> -36STH20-1004AHG(VRN) with Teflon coated Z motor leadscrew shaft	1
	<b>LDO</b> -35STH52-1504AH(VRN)	2
	Side Panel 211mm x 229mm x 3mm Acrylic, Clear	2
	Front Door 212mm x 239mm x 3mm Acrylic, Clear	1
	Rear Panel Top 212mm x 63mm x 3mm Acrylic, Clear Black	1
	Rear Panel Bottom 212mm x 185mm x 3mm Acrylic, Clear Black	
Panels	Mid panel 170mm x 230mm x 3mm Acrylic, Matte Black	1
	Motor Panel 37mm x 122mm x 3mm Acrylic, Matte Black	1
	Deck Panel 172mm x 209mm x 3mm Acrylic, Matte Black	1
	TopHat Front/Rear Panel 2mm Acrylic, Clear	2
	TopHat Side Panel 2mm Acrylic, Clear	2
	TopHat Top Panel 2mm Acrylic, Clear	1
Toolhead & Motion	Original <b>Bondtech</b> Drive Gear Kit	1
	Teflon Tube, 4x2mm	1
	Thumb Screw Assembly	1
	Bearing, MR85	2
	Bearing, F623-RS	24

	Pulley 2GT 20T (6mm wide) (5mm bore)	2
	<b>Gates</b> Belt, 2GT RF, 6mm	4 meter
	Machine Screw, SHCS, M3x30, Partially Threaded	2
	Machine Screw, SHCS, M3x35, Partially Threaded	3
PSU	<b>Meanwell</b> LRS-150-24	1
Controller	<b>Bigtreetech</b> SKR mini E3 (v2)	1
Power Cord	C13 Power Cord, 1.5 meter	1
Hotend	<p><b>Phaetus</b> DragonFly BMO Hotend (Please don't use the SCHC M2.5x6 in the hotend kit,</p> <p>and use the <b>BHCS</b> M2.5x6 from hardware kit for mounting)</p>	1
N/A	PVC Wire Duct, 20Wx25H-mm	330mm
	Raspberry Pi Heatsink	1
	Print a Steppy hanging kit	1
RevA, 7/23/2021, by LDO Motors&LDO Systems		
RevB, 8/23/2021, by LDO Motors&LDO Systems, removed shipping sensitive items, correct panel thickness.		
RevC, 1/6/2022, by LDO Motors&LDO Systems, add (1) Raspberry Pi heatsink (2) Change rear panel to 2 pieces design for easy wiring maintain (3) Change SKR-PSU cable to a thicker size (4) add "print as steppy hanging kit. From DEC/2021 shipment. Serial NO start from V0-2112xxxx		
RevD, 5/19/2022, LDO Motors&LDO Systems, change Z motor from LDO-35STH48-1684AH to <b>LDO-36STH20-1004AHG</b> (VRN); AB motor from LDO-35STH48-1684AH to <b>LDO-35STH52-1504AH</b> (VRN).		