Category	Component	Standard	QTY	Note
Filament	Primary Color ABS/ASA		2	
Filament	Accent Color ABS/ASA		1	
Filament	Primary color TPU		1	For TPU feet (optional)
Printed parts	Printed parts		1	
Fasteners	M5x30 BHCS	ISO 7380-0	4	For TPU feet (optional)
Fasteners	M5x16 BHCS	ISO 7380-1	6	
Fasteners	M5x12 BHCS	ISO 7380-1	131	
Fasteners	M5x10 BHCS	ISO 7380-1	6	
Fasteners	M5x8 BHCS	ISO 7380-1	45	
Fasteners	M4x10 BHCS	ISO 7380-1	4	
Fasteners	M5x100 SHCS	ISO 4762 / DIN 912	4	
Fasteners	M5x30 SHCS	ISO 4762 / DIN 912	4	
Fasteners	M5x25 SHCS	ISO 4762 / DIN 912	2	
Fasteners	M5x20 SHCS	ISO 4762 / DIN 913	8	
Fasteners	M3x20 SHCS	ISO 4762 / DIN 911	4	
Fasteners	M3x10 SHCS	ISO 4762 / DIN 912	46	
Fasteners	M3x8 SHCS	ISO 4762 / DIN 912	12	
Fasteners	M3x5 SHCS	ISO 4762 / DIN 912	28	
Fasteners	M2.5x8 SHCS	ISO 4762 / DIN 912	6	
Fasteners	M3x6 FHCS	ISO 10642	17	
Fasteners	M3 Washer	ISO 7089 / DIN 125	4	
Fasteners	M5 Washer	ISO 7089 / DIN 125	12	
Fasteners	M5 Heated insert		27	
Fasteners	M3 Heated insert		33	
Fasteners	M2.5 Heated insert		6	
Fasteners	M5 Nyloc Hexnut	ISO 10511 / DIN 985	8	
Fasteners	M2x10 self tapping screw for plastics		8	(if using SKR mini E3 form factor boards you only require 12 with a pi and 5 without)
Fasteners	M3x10 Grub Screw	ISO 4026 / DIN 913	4	

Category	Item	Source	Qty	Notes
Fasteners	M5 Spring T-Nut		90	
Fasteners	M3 Spring T-Nut		36	
Fasteners	Fan screws	Mechatronics fan group CS-1	8	
Frame (main)	Openbuilds 4080x470mm C-Beam profile extrusion		1	
Frame (main)	Openbuilds 4080x260mm C-Beam profile extrusion		2	
Frame (main)	Openbuilds 4080x120mm C-Beam profile extrusion		1	
Frame (main)	Openbuilds 4080x250mm C-Beam profile extrusion		1	
Frame (main)	Openbuilds 4080x500mm C-Beam profile extrusion		1	
Frame (main)	Openbuilds 2040x500mm C-Beam profile extrusion		2	
Frame (main)	Aluminium XY mounting plate		1	(optional can be printed)
Frame (main)	Aluminium Z mounting plate		1	(optional can be printed)
Frame (electronics table)	Openbuilds 2080x550mm extrusion		3	
Frame (electronics table)	Openbuilds 2040x580mm extrusion		2	
Frame (electronics table)	Openbuilds 2020x200mm extrusion		1	
Frame (electronics table)	Angled corner connector 2020		12	
Electronics (main)	Nema 23 motor 23HP22-2804S / 2303HS200AW / LDO-57STH56-2804AC		3	
Electronics (main)	Omron SS-5GL micro switch		3	
Electronics (electronics table)	Mean Well LRS-250-24 PSU		1	
Electronics (electronics table)	IEC320 C14 Inlet - Push-fit - w/ Rocker Switch & Fuse		1	
Electronics (electronics table)	40x40 24V axial fan		2	
Electronics (electronics table)	Micro SD card		1	
Electronics (electronics table)	Mellow fly e3 / mellow fly CDY V3.0		1	
Electronics (electronics table)	22mm E-stop switch actuator		1	
Electronics (electronics table)	TMC 2209 (2A RMS) TMC 5160 (3A RMS) TMC 2660 (2.4A RMS) DRV 8825 (2.5A)		3	(use drivers that are suitable for your motors needs i.e match your motor's phase current to your driver's max RMS current)
Motion (main)	XY gantry plate		1	
Motion (main)	Z gantry plate		1	
Motion (main)	200mm GT2 closed loop belt		1	

Motion (main)	MGN15 rail 350mm		2	
Motion (main)	MGN15 rail 250mm		2	
Motion (main)	MGN15 rail 500mm		2	
Motion (main)	MGN15C rail carriage		12	
Motion (main)	TR8x8 4 start leadscrew 550mm (min)		1	
Motion (main)	TR8x8 4 start leadscrew 550mm (min)		1	
Motion (main)	TR8x8 4 start leadscrew 300mm (min)		1	
Motion (main)	TR8x8 4 start brass leadscrew nut		6	
Motion (main)	GT2 20T (6mm wide) Pulley (6.35mm(1/4 inch) bore)		1	
Motion (main)	GT2 40T (6mm wide) Pulley (8mm bore)		1	
Motion (main)	608 2Z shielded deep groove ball bearing		8	
Motion (main)	F608 2Z shielded deep groove ball bearing		4	
Motion (main)	Spider or rigid coupler 8mm to 6.35mm (1/4 inch)		2	
Motion (main)	8mm Bore locking colar		6	
Panel (electronics Table)	Acrylic Eclosure bottom panel		1	
Cables (main)	10x11 Cable Chain - Openable (1m)		3	
Cables (main)	Nylon Cable Ties (less than 5mm wide)		100	
Cables (main)	18AWG* (min) Mains wiring (neutral, line, ground)		1	(*consult your local guidelines for regulation wiring size)
Cables (main)	20AWG Silicone or PTFE Cable (25ft total)		1	
Cables (main)	24AWG PTFE Cable (50ft total)		1	
Cables (main)	Fork Spade Terminal	JST-FVDDF	15	
Cables (main)	Insulated Crimp Receptical	JST-FVDDF	10	
Cables (main)	Ferrule CableTerminations		N/A	(size and use where appropriate)
Cables (main)	JST Connector 2 Position	JST-XH	3	
Cables (main)	JST Connector 4 Position	JST-XH	3	
Misc	Epoxy Resin 1L		1	(optional)
Misc	Granite Sand		1	(optional)