

	Component	Qty (nominal)	Qty (recommended)	Recommended	Notes
Ammunition	Chose your favouriote one	1	2	Haribo	Don't eat it all at once!
Fasteners	M3 Lock Nut	20	30	TME	
Fasteners	M3 Hexnut	8	20	TME	
Fasteners	M3 Insert	2	10	TME	OD=4.2mm H=5.3mm
Fasteners	M3 x 30mm FHCS	1	10	TME	
Fasteners	M3 x 20mm FHCS	13	20	TME	
Fasteners	M3 x 18mm FHCS	4	10	TME	
Fasteners	M3 x 16mm FHCS	3	10	TME	
Fasteners	M3 x 16mm SHCS	3	10	TME	Head OD has to be 5.5mm
Fasteners	M3 x 12mm FHCS	4	10	TME	
Fasteners	M3 x 10mm BHCS	2	10	TME	
Fasteners	M3 x 10mm FHCS	2	10	TME	
Fasteners	M3 x 8mm SHCS	5	10	TME	Head OD has to be 5.5mm
Fasteners	M3 x 5mm SHCS	3	10	TME	
Fasteners	M2.3 x 10mm cheese head screw	2	10	TME	
Fasteners	M1.6 x 5mm FHCS	2	10	TME	
Fasteners	M3 x 12mm spacer	3	10	TME	OD=6mm
Fasteners	8mm height spacer	1	10	Hestore	OD=7mm ID=3.6mm H=8mm
Fasteners	M3 x 0.5mm plastic washer	12	20	TME	
Fasteners	M7 x 0.75 Hexnut	1	2	Hestore	For the encoder
Motion	61803 ZZ Bearing	4	5	Aliexpress	OD=26mm ID=17mm W=5mm
Electronics	JST - PHR - 5	1	10	TME	
Electronics	JST - PHR - 4	1	10	TME	
Electronics	JST - PHR - 3	2	10	TME	
Electronics	JST - PHR - 2	4	10	TME	
Electronics	JST - SPH-001T-P0.5C	23	40	TME	Tool to crimp it: PA-09
Electronics	Stranded Wire 0.22mm2	4040mm	5000mm	TME	
Electronics	Rotary encoder module	1	2	Hestore	AB+SW, 20 pulse
Electronics	Mini geared motor	1	2	Hestore	30rpm at 6V
Electronics	Power Jack	1	2	Hestore	Plug size: OD=5.5mm ID=2.1mm
Electronics	End sleeve	2	10	TME	0.25mm2

Electronics	OMRON - SS-5GL2T	2	3	TME	
Electronics	Arduino UNO R3	1	1	TME	
Electronics	Oled Display	1	2	Hestore	128x32 pixels with SSD1306 driver
Electronics	Humidifier module	1	2	Hestore	
Electronics	470uF 10V capacitor for the LED strip	1	3	TME	
Electronics	Programmable LED strip	27 LED long	1 meter	TME	WS2812 and WS2813 LED drivers are supported. The distance between two LEDs should be around 16.7mm (60 LED per meter strip)
Electronics	Programmable LED disc	1	2	Hestore	
Electronics	Mean Well PSU - GST25E05-P1J	1	1	Hestore	5V-DC, 4A
Misc	Magnet	2	5	TME	OD=10mm H=3mm neodymium
Misc	Rubber Feet	4	One sheet	Hestore	10mm diameter
Filament	Color for internal parts(Yellow PLA)	45.79 g		Prusa	Prusament PLA Pineapple Yellow
Filament	Color for water tank(Blue PETG)	15.07g		Prusa	Prusament PETG Chalky Blue
Filament	Color for enclosure parts(Black PLA)	254.36 g		Prusa	Prusament PLA Galaxy Black
Filament	Color for LED holder(White PLA)	226.44 g		Prusa	Prusament PLA Vanilla White
Filament	Color for glowing parts(Green PLA)	12.58 g		3D JAKE	Glow in the dark green PLA