

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	Supplier 1: Links & Price ea.	Supplier 2: Links & Price ea.
1	1	Herculien_Frame (Subassembly)			
1.1	4	HFS5-2020-609.5(holes_added)	20mmx20mm609.5mm aluminum extrusion for vertical supports at the corners. Extrusions requires holes be drilled. 3d model for drill guide	<u>\$15.00 / 1500mm</u>	<u>\$3.47</u>
1.2	2	HFS5-2080-569.5 (SidesBottom_Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.3	1	HFS5-2080-569.5 (LeftTop_Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.4	1	HFS5-2080-569.5 (RightTop_Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.5	3	HFS5-2080-569.5 (Default_No Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.6	1	HFS5-2080-569.5 (BackTop_Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.7	1	HFS5-2080-569.5 (FrontTop_Holes)	20x80x569.5mm aluminum extrusions.	<u>\$30.00 / 1500mm</u>	<u>\$11.90</u>
1.8	2	V-Slot_20mmX80mm489.5mm	20mmx80mmx489.5mm Vslot Extrusion	<u>\$20.00 / 1000</u>	<u>\$20.00 / 1000</u>
1.9	16	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
1.1	6	HSCA5-R_460mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
1.11	6	HSCA5-R_569.5mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
1.12	1	Acrylic_or_Polycarbonate_Rightside_Panel	http://goo.gl/oR3krK	<u>\$15.70 (24"x24")</u>	
1.13	1	Acrylic_or_Polycarbonate_Leftside_Panel	http://goo.gl/YAD9aY	<u>\$15.70 (24"x24")</u>	
1.14	1	Acrylic_or_Polycarbonate_Backside_Panel	http://goo.gl/BmHRNU	<u>\$15.70 (24"x24")</u>	
1.15	88	91239A224	5mm x 10mm button head screw	<u>\$7.93 / 100</u>	
2	1	Top_Cover (Subassembly) (Optional, not needed for printer function)			
2.1	3	HFS5-2020-330	20x20x330mm Extruded Aluminum	<u>\$10.00 / 1000mm</u>	<u>\$1.88</u>
2.2	1	HFS5-2020-330 (configuration)	20x20x330mm Extruded Aluminum	<u>\$10.00 / 1000mm</u>	<u>\$1.88</u>
2.3	7	HFS5-2020-569.5	20x20x569.5mm Extruded Aluminum	<u>\$15.00 / 1500mm</u>	<u>\$3.24</u>
2.4	1	HFS5-2020-515	20x20x515mm Extruded Aluminum	<u>\$15.00 / 1500mm</u>	<u>\$2.93</u>
2.5	1	HFS5-2020-100	20x20x100mm Extruded Aluminum	<u>from drop cut</u>	<u>\$3.03</u>
2.6	1	HFS5-2020-54.5	20x20x54.5mm Extruded Aluminum	<u>from drop cut</u>	<u>\$3.03</u>
2.7	2	HHPSN5	Hinge for 20x20 Extrusion	<u>\$5.60</u>	
2.8	10	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
2.9	7	HSCA5-R_300mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.1	1	HSCA5-R_515mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.11	1	HSCA5-R_98mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.12	1	HSCA5-R_48.5	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.13	1	HSCA5-R_200mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.14	11	HSCA5-R_569.5mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
2.15	4	HFC5-2020-B	Extrusion Endcap	<u>\$1.88</u>	
2.16	3	Acrylic or Polycarbonate Left Front Back Cover	http://goo.gl/mjZ4er	<u>\$15.70 (24"x24")</u>	
2.17	1	Acrylic or Polycarbonate Right Cover	http://goo.gl/rPAJGD	<u>\$15.70 (24"x24")</u>	
2.18	1	Acrylic or Polycarbonate Top Cover	http://goo.gl/I9hLrq	<u>\$15.70 (24"x24")</u>	
2.19	18	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
2.2	8	91294A207	5mm x 8mm flat head socket cap screw	<u>\$6.75 / 100</u>	
2.21	1	1078A311	Plastic Handle	<u>\$3.76</u>	
2.22	2	90965A160	5mm stainless flat washer	<u>\$4.62 / 100</u>	
2.23	2	92290A228	5mm x 12mm SST socket head cap screw	<u>\$7.72 / 25</u>	
3	1	Front_Door (Subassembly)			
3.1	2	HFS5-2020-407.5	20x20x407.5mm Extruded Aluminum	<u>\$10.00 / 1000mm</u>	<u>\$2.32</u>
3.2	2	HFS5-2020-567.5	20x20x567.5mm Extruded Aluminum	<u>\$10.00 / 1000mm</u>	<u>\$3.23</u>
3.3	2	HHPSN5	Hinge for 20x20 Extrusion	<u>\$5.60</u>	
3.4	8	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
3.5	2	HSCA5-R_537.5mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
3.6	2	HSCA5-R_407.5mm	T-SLot Covers (To Hold Clear Panels)	<u>\$3.00 / 1000mm</u>	<u>\$2.38 / 2000mm</u>
3.7	1	Acrylic_or_Polycarbonate_Door_Window	http://goo.gl/HMq1ng	<u>\$15.70 (24"x24")</u>	
3.8	8	91294A207	5mm x 8mm flat head socket cap screw	<u>\$6.75 / 100</u>	
3.9	4	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
4	1	Power Supply (Subassembly)			
4.1	1	Meanwell_SE-450-24	24V 450W Power Supply (Lower Watt Version can be used with 120V bed)	<u>\$64.95</u>	<u>39.99</u>
4.2	1	Power Supply Bracket 1	3D Printed	<u>NA</u>	
4.3	2	Power Supply Bracket 2	3D Printed	<u>NA</u>	
5	1	Electronics_Package (Subassembly)			
5.1	1	Q24169PCDCC	Hoffman Qline Enclosure (233x153x84mm)	<u>\$58.34</u>	<u>\$58.41</u>
5.2	1	Hinge(McMaster_1598A180)	Hinge top swing electronics out of the way	<u>\$1.83</u>	
5.3	1	Azteeg X3 V2	Printer Controler Board	<u>\$174.99 w/ stepper</u>	<u>\$109.99 or \$41.99</u>
5.4	1	raspberrypi_b+	Raspberry Pi B+ Print Server (for octoprint / octopi)	<u>\$39.99</u>	
5.5	1	ViKi LCD	print controller lcd	<u>\$75.00</u>	<u>\$12.99</u>
5.6	2	Jamicon_KF0410-01	40x40mm 24v fan	<u>\$2.95</u>	
5.7	1 lot	Cable Sleaving	Cable Sleeve to keep wiring clean	<u>\$1.99 / Meter</u>	
6	1	Outlet_And_Network_Mount			
6.1	1	Outlet_Switch_And_Network_Mount	3D Printed	<u>NA</u>	
6.2	1	Amazon_Electrical_Fused_Plug	Fuse & Power Socket 10A 250V 3 Pin IEC320 C14	<u>\$3.01</u>	
6.3	1	CAT5 Toolless IDC Keystone Jack	Network Keystone Jack	<u>\$4.35</u>	

7	1	Solid State Relay (Subassembly)			
7.1	1	G3NA_220B	20A DC to AC Solid State Relay (to run heated bed at 120C AC)	<u>\$27.32</u>	
7.2	2	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
7.3	2	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
8	1	Y_Limit_Switch (Subassembly)			
8.1	1	XY_LimitSwitch_Mount_A	3D Printed	<u>NA</u>	
8.2	1	Micro Switch Button	NO / NC Limit Switch	<u>\$1.99</u>	<u>\$2.00</u>
8.3	1	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
8.4	2	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
8.5	1	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
9	1	X_Limit_Switch (Subassembly)			
9.1	1	XY_LimitSwitch_Mount_B	3D Printed	<u>NA</u>	
9.2	1	Micro Switch Button	NO / NC Limit Switch	<u>\$1.99</u>	<u>\$2.00</u>
9.3	1	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
9.4	2	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
9.5	1	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
10	2	Drive_Corner_Bracket_A (Subassembly)			
10.1	1	Corner_Bearing_Bracket_A	3D Printed	<u>NA</u>	
10.2	14	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
10.3	2	5972K164	10mm x 22mm x 6mm (6900 series bearing)	<u>\$9.99 / 10</u>	
10.4	14	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
11	2	Drive_Corner_Bracket_B (Subassembly)			
11.1	1	Corner_Bearing_Bracket_B	3D Printed	<u>NA</u>	
11.2	14	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
11.3	2	5972K164	10mm x 22mm x 6mm (6900 series bearing)	<u>\$9.99 / 10</u>	
11.4	14	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
12	1	X/Y Gantry Rods (Subassembly)			
12.1	4	SFJ10-610	10mm x 610mm hardened precision rods for x/y axis guides	<u>\$20.33</u>	
12.2	2	SFJ10-512	10mm x 512mm hardened precision rods for x/y overhead gantry	<u>\$15.10</u>	
13	2	XY_Axis_Belt_Tensioner_A			
13.1	1	XY Axis Belt Tensioner A	3D Printed	<u>NA</u>	
13.2	1	XY Axis Belt Tensioner Block A	3D Printed	<u>NA</u>	
13.3	2	a_7z41mpsb10m	10mm self aligning bronze sintered bushings	<u>\$9.99 / 4</u>	
13.4	2	91290A137	3mm x 50mm socket head cap screw	<u>\$3.34 / 25</u>	
13.5	4	90576A102	3mm nylock hex nut	<u>\$3.27 / 100</u>	
13.6	1	90591A146	3mm standard hex nut (DIN 934)	<u>\$2.08 / 100</u>	
13.7	1	91239A232	5mm x 16mm button head socket cap screw	<u>\$8.82 / 100</u>	
13.8	2	91290A125	3mm x 25mm socket head cap screw	<u>\$11.74 / 100</u>	
14	2	XY_Axis_Belt_Tensioner_B			
14.1	1	XY Axis Belt Tensioner B	3D Printed	<u>NA</u>	
14.2	1	XY Axis Belt Tensioner Block B	3D Printed	<u>NA</u>	
14.3	2	a_7z41mpsb10m	10mm self aligning bronze sintered bushings	<u>\$9.99 / 4</u>	
14.4	2	91290A137	3mm x 50mm socket head cap screw	<u>\$3.34 / 25</u>	
14.5	4	90576A102	3mm nylock hex nut	<u>\$3.27 / 100</u>	
14.6	1	90591A146	3mm standard hex nut (DIN 934)	<u>\$2.08 / 100</u>	
14.7	1	91239A232	5mm x 16mm button head socket cap screw	<u>\$8.82 / 100</u>	
14.8	2	91290A125	3mm x 25mm socket head cap screw	<u>\$11.74 / 100</u>	
15	1	XY Gantry Belts and Pulleys			
15.1	10	GT2_Aluminum_Timing_Pulley_32_Tooth	GT2 2mm pitch, 10mm ID, 32 tooth pulley	<u>\$2.10</u>	
15.2	5	Bulk GT2 (2MM pitch x 6mm wide) Belt	Bulk GT2 (2MM pitch x 6mm wide) Belt	<u>\$1.8 / Meter</u>	<u>\$2 / meter</u>
15.3	2	A 6R51M113060	113 tooth (226mm long) closed loop GT2 Belt (2mm pitch x 6mm wide)	<u>\$4.86</u>	
16	2	X/Y Gantry Drive Motor (Subassembly)			
16.1	1	External_Motor	3D Printed	<u>NA</u>	
16.2	1	NEMA_17_60mm_1.5A	High Torque 6.5kg/cm 60mm Long Nema 17 Stepper Motor	<u>\$11.80</u>	
16.3	4	91290A137	3mm x 50mm socket head cap screw	<u>\$3.34 / 25</u>	
16.4	4	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
16.5	1	GT2_Aluminum_Timing_Pulley_20_Tooth	20 tooth GT2 Pulley (5mm ID) (2mm pitch)	<u>\$1.85</u>	<u>\$5.49</u>
16.6	4	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
16.7	4	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
17	1	Carriage Dual E3DV6			
17.01	1	Double Carriage_E3DV6	3D Printed	<u>NA</u>	
17.02	1	Dual_Bowden_Tube_Carriage_Adapter_E3DV6	3D Printed	<u>NA</u>	
17.03	1	Blower_Duct_1	3D Printed	<u>NA</u>	
17.04	1	Blower_Duct_1Mirror	3D Printed	<u>NA</u>	
17.05	1	Front_Clamp_With_Fan_Mount_E3DV6	3D Printed	<u>NA</u>	
17.06	1	Dual_Fan_Shroud_E3DV6	3D Printed	<u>NA</u>	
17.07	4	a_7z41mpsb10m	10mm self aligning bronze sintered bushings	<u>\$9.99 / 4</u>	
17.08	2	E3D_V6	Hot End (need 24V fan and heater cartridge if 24V power supply is used, by default E3D V6 is designed for 12V system)	<u>\$79.99</u>	
17.09	2	50x50x15_Fonsoning_FSY5015S24H_Blower	50x50x15 centrifugal blower fan (needs to be 24V if 24V power supply is used)	<u>\$6.81</u>	

17.10	2	30x30_Fan	included with e3d kit (needs to be 24v if 24V power supply is used)	<u>Request 24v when ordering</u>	
17.11	11	90591A121	3mm hex nut (Din 934)	<u>\$1.39 / 100</u>	
17.12	4	92095A185	3mm x 20mm button head socket cap screw	<u>\$5.31 / 50</u>	
17.13	7	92095A184	3mm x 16mm button head socket cap screw	<u>\$8.85 / 100</u>	
17.14	2	91292A029	3mm x 18mm socket head cap screw	<u>\$5.60 / 100</u>	
17.15	2	91100A120	3mm oversized flat washer (Din 9021)	<u>\$1.10 / 100</u>	
17.16	2	91292A123	3mm x 20mm socket head cap screw	<u>\$6.00 / 100</u>	
18	2	Manual_Movement_Knob			
18.1	1	Rod_End_Knob	3D Printed	<u>NA</u>	
18.2	1	90591A121	3mm hex nut (Din 934)	<u>\$1.39 / 100</u>	
18.3	1	94500A222	3mm x 8mm button head socket cap screw	<u>\$5.90 / 100</u>	
19	1	Z_Bed_Assembly			
19.1	2	Z_Axis_Module (Sub-Sub Assembly)			
19.1.1	1	MTSBRW12-480-F10-V8-S26-Q8	12mm Lead Screw 480L (both ends stepped to 8mm)	<u>\$51.25</u>	
19.1.2	1	Z_Leadscrew_Bearing_Holder_Top	3D Printed	<u>NA</u>	
19.1.3	1	Z_Leadscrew_Bearing_Holder_Base	3D Printed	<u>NA</u>	
19.1.4	2	608ZZ-8x22x7	608ZZ Bearing	<u>\$0.90</u>	<u>\$0.30</u>
19.1.5	1	GT2_Aluminum_Timing_Pulley_36_Tooth	GT2 2mm pitch, 8mm ID, 36 tooth pulley	<u>\$2.50</u>	<u>\$11.95</u>
19.1.6	2	91290A252	5mm x 25mm socket head cap screw	<u>\$7.24 / 50</u>	
19.1.7	4	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
19.1.8	2	91239A232	5mm x 16mm button head socket cap screw	<u>\$8.82 / 100</u>	
19.2	2	Z_Gantry_Angle_Plate (Sub-Sub Assembly)			
19.2.1	1	Z_Gantry_Plate	ASTM B221-08 6063-T52 Aluminum Architectural Unequal Leg Angle 3-1/2" x 1-1/4" x 1/8"	<u>\$8.88</u>	
19.2.2	4	Dual_V_Wheel_Bolt_Assembly	Open Builds V-slot wheel kit	<u>\$3.85</u>	<u>\$3.85</u>
19.2.3	4	1/4" Eccentric Spacer	1/4" Eccentric Spacer	<u>\$2.00</u>	<u>\$2.00</u>
19.2.4	1	MTSRN12	12mm / 2mm pitch lead screw nut	<u>\$25.95</u>	
19.2.5	4	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
19.2.6	4	94500A230	5mm x 8mm button head socket cap screw	<u>\$6.15 / 50</u>	
19.2.7	2	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
19.3	1	Heated_Bed_Assembly			
19.3.01	1	Aluminum_Build_Plate	1/4" ASTM B209-10 5052-H32 Aluminum Plate	<u>\$32.07</u>	
19.3.02	1	MDF_Insulator_Board	3/4" MDF Insulator board from local hardware store	<u>\$11.97</u>	
19.3.03	4	92125A219	5mm x 70mm flat head socket cap screw	<u>\$4.38 / 10</u>	
19.3.04	4	9657K292	Spring (0.75"L x 0.50"OD x 0.062"wire)	<u>\$8.38 / 6</u>	
19.3.05	14	91100A140	5mm oversized flat washer (DIN 9021)	<u>\$3.45 / 100</u>	
19.3.06	2	92125A220	5mm x 30mm flat head socket cap screw	<u>\$6.55 / 25</u>	
19.3.07	6	94205A240	5mm nylock nut (DIN 985)	<u>\$6.09 / 50</u>	
19.3.08	4	94545A225	5mm wing nut (DIN 315)	<u>\$6.21 / 10</u>	
19.3.09	1	380mmx380mm_800W_120V_Silicone_Heater(Alirubber)	AliRubber Custom Silicon Heated Bed (You can spec Voltage, Wattage, Size, Thermistor Location,	<u>\$34.30 + Shipping</u>	
19.3.10	1	Window_Glass_420mm X 430mm	Window Glass 420mm X 430mm or Boro Glass	<u>\$5.00</u>	
19.3.11	2	Bed_Glass_Clip	3D Printed	<u>NA</u>	
19.3.12	2	Bed_Glass_Clip_Mirror	3D Printed	<u>NA</u>	
19.3.13	2	HFS5-2020-519_5	20x20x519.5mm Extruded Aluminum	<u>\$15.00 / 1500mm</u>	<u>2.95</u>
19.4	1	Z_Limit_Assembly			
19.4.1	1	Limit Switch Mounting Bracket	Aluminum Limit Switch Mounting Bracket	<u>\$2.00</u>	<u>\$2.00</u>
19.4.2	1	Micro Switch Button	NO / NC Limit Switch	<u>\$1.99</u>	<u>\$2.00</u>
19.4.3	1	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
19.4.4	2	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
19.4.5	2	93475A210	3mm flat washer (DIN 125)	<u>\$1.62 / 100</u>	
19.4.6	1	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
20	1	Z_Drive_Mount_With_Nema17_60mm			
20.1	1	External_Motor	3D Printed	<u>NA</u>	
20.2	1	NEMA_17_60mm_1.5A	High Torque 6.5kg/cm 60mm Long Nema 17 Stepper Motor	<u>\$11.80</u>	
20.3	4	91290A137	3mm x 50mm socket head cap screw	<u>\$3.34 / 25</u>	
20.4	4	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
20.5	1	GT2_Aluminum_Timing_Pulley_20_Tooth	20 tooth GT2 Pulley (5mm ID) (2mm pitch)	<u>\$1.85</u>	<u>\$5.49</u>
20.6	4	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
20.7	1	Timing Belt GT2 Profile - 2mm pitch - 6mm wide 1164mm long	1164mm Long GT2 (2mm pitch) (6mm wide) (1164mm Long)	<u>\$9.95</u>	
20.8	4	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
21	2	Z_Belt_Idler			
21.1	1	Z_Idler_Slide_Support	3D Printed	<u>NA</u>	
21.2	1	Smooth_Idler_Pulley kit	GT2 Smooth Idler Pulley	<u>\$4.85</u>	<u>\$4.85</u>
21.3	2	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
21.4	1	91290A254	5mm x 30mm socket head cap screw	<u>\$7.87 / 50</u>	
21.5	1	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	

22	2	Spool_and_Holder			
22.1	1	Spool_Holder_Flange	3D Printed	<u>NA</u>	
22.2	1	50mm_Threaded_Spool_Holder_Full_Round	3D Printed	<u>NA</u>	
22.3	4	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
22.4	4	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
23	2	HercuStruder_V2			
23.01	1	HercuLien_Extruder_Base_V2	3D Printed	<u>NA</u>	
23.02	1	HercuStruder_Bearing_Pivot	3D Printed	<u>NA</u>	
23.03	1	HercuStruder_Dogbone_Connector	3D Printed	<u>NA</u>	
23.04	1	HercuStruder_Pin	3D Printed	<u>NA</u>	
23.05	2	Bowden_Tube_Nut_Trap	3D Printed	<u>NA</u>	
23.06	2	HNTTSN5-5	T-Slot Nuts	<u>\$0.20</u>	<u>\$28.00 / 100</u>
23.07	1	4mmODx2mmID_Teflon_Tube_Section	Teflon tube for extruder drive inlet and bowden tube from extruder to the carriage	<u>\$12.00</u>	
23.08	1	608ZZ-8x22x7	608ZZ Bearing	<u>\$0.90</u>	<u>\$0.30</u>
23.09	1	8mm_Shaft_Hobb_Gear	Filament Drive Gear	<u>\$9.95</u>	
23.10	1	NEMA_17_5.18_Planetary	5.18:1 planetary reduced 40mm Long Nema 17 Stepper Motor	<u>\$30.00</u>	
23.11	4	90591A121	3mm hex nut (Din 934)	<u>\$1.39 / 100</u>	
23.12	2	91290A137	3mm x 50mm socket head cap screw	<u>\$3.34 / 25</u>	
23.13	4	93475A210	3mm flat washer (DIN 125)	<u>\$1.62 / 100</u>	
23.14	2	91100A120	3mm oversized flat washer (Din 9021)	<u>\$1.10 / 100</u>	
23.15	2	92095A183	3mm x 12mm button head socket cap screw	<u>\$4.00 / 100</u>	
23.16	4	94500A223	3mm x 10mm button head socket cap screw	<u>\$6.08 / 100</u>	
23.17	2	91290A135	3mm x 35mm socket head cap screw	<u>\$9.07 / 50</u>	
23.18	2	90576A102	3mm nylock hex nut	<u>\$3.27 / 100</u>	
23.19	2	91239A224	5mm x 10mm button head socket cap screw	<u>\$7.93 / 100</u>	
23.20	2	94150A335	4mm hex nut (DIN 934)	<u>\$3.42 / 50</u>	
23.21	2	9657K283	Spring (0.75"L x 0.187" OD x 0.029" Wire)	<u>\$9.80 / 12</u>	

Other good suppliers and resources for parts

Bolts: <http://www.trimcraftaviationrc.com/>

PN#	QTY:
1/4" Eccentric Spacer	4
1078A311	1
30x30_Fan	2
380mmx380mm_800W_ 120V_Silicone_Heater(Alirubber)	1
4mmODx2mmID_Teflon_Tube_Section	2
50mm_Threaded_Spool_Holder_Full_Round	2
50x50x15_Fonsoning_FSY5015S24H_Blower	2
5972K164	8
608ZZ-8x22x7	6
8mm_Shaft_Hobb_Gear	2
90576A102	20
90591A121	21
90591A146	4
90965A160	2
91100A120	6
91100A140	14
91239A224	201
91239A232	8
91290A125	8
91290A135	4
91290A137	24
91290A252	4
91290A254	2
91292A029	2
91292A123	2
91294A207	16
92095A183	4
92095A184	7
92095A185	4
92125A219	4
92125A220	2
92290A228	2
93475A210	10
94150A335	4
94205A240	6
94500A222	2
94500A223	26
94500A230	8
94545A225	4
9657K283	4
9657K292	4
A 6R51M113060	2
a_7z41mpsb10m	12

Acrylic or Polycarbonate Left Front Back Cover	3
Acrylic or Polycarbonate Right Cover	1
Acrylic or Polycarbonate Top Cover	1
Acrylic_or_Polycarbonate_Backside_Panel	1
Acrylic_or_Polycarbonate_Door_Window	1
Acrylic_or_Polycarbonate_Leftside_Panel	1
Acrylic_or_Polycarbonate_Rightside_Panel	1
Aluminum_Build_Plate	1
Amazon_Electrical_Fused_Plug	1
Azteeg X3 V2	1
Bed_Glass_Clip	2
Bed_Glass_Clip_Mirror	2
Blower_Duct_1	1
Blower_Duct_1Mirror	1
Bowden_Tube_Nut_Trap	4
Bulk GT2 (2MM pitch x 6mm wide) Belt	5
Cable Sleaving	0
CAT5 Tooless IDC Keystone Jack	1
Corner_Bearing_Bracket_A	2
Corner_Bearing_Bracket_B	2
Double Carriage_E3DV6	1
Dual_Bowden_Tube_Carriage_Adapter_E3DV6	1
Dual_Fan_Shroud	1
Dual_V_Wheel_Bolt_Assembly	8
E3D_V6	2
External_Motor	3
Front_Clamp_With_Fan_Mount	1
G3NA_220B	1
GT2_Aluminum_Timing_Pulley_36_Tooth	2
GT2_Aluminum_Timing_Pulley_20_Tooth	3
GT2_Aluminum_Timing_Pulley_32_Tooth	10
HercuLien_Extruder_Base_V2	2
HercuStruder_Bearing_Pivot	2
HercuStruder_Dogbone_Connector	2
HercuStruder_Pin	2
HercuStruder_V2	2
HFC5-2020-B	4
HFS5-2020-100	1
HFS5-2020-330	3
HFS5-2020-330 (configuration)	1
HFS5-2020-407.5	2
HFS5-2020-515	1
HFS5-2020-519_5	2
HFS5-2020-54.5	1

HFS5-2020-567.5	2
HFS5-2020-569.5	7
HFS5-2020-609.5(holes_added)	4
HFS5-2080-569.5 (BackTop_Holes)	1
HFS5-2080-569.5 (Default_No Holes)	3
HFS5-2080-569.5 (FrontTop_Holes)	1
HFS5-2080-569.5 (LeftTop_Holes)	1
HFS5-2080-569.5 (RightTop_Holes)	1
HFS5-2080-569.5 (SidesBottom_Holes)	2
HHP5N5	4
Hinge(McMaster_1598A180)	1
HNTTSN5-5	139
HSCA5-R_200mm	1
HSCA5-R_300mm	7
HSCA5-R_407.5mm	2
HSCA5-R_460mm	6
HSCA5-R_48.5	1
HSCA5-R_515mm	1
HSCA5-R_537.5mm	2
HSCA5-R_569.5mm	17
HSCA5-R_98mm	1
Jamicon_KF0410-01	2
Limit Switch Mounting Bracket	1
MDF_Insulator_Board	1
Meanwell_SE-450-24	1
Micro Switch Button	3
MTSBRW12-480-F10-V8-S26-Q8	2
MTSRN12	2
NEMA_17_5.18_Planetary	2
NEMA_17_60mm_1.5A	3
Outlet_Switch_And_Network_Mount	1
Power Supply Bracket 1	1
Power Supply Bracket 2	2
Q24169PCDCC	1
raspberrypi_b+	1
Rod_End_Knob	2
SFJ10-512	2
SFJ10-610	4
Smooth_Idler_Pulley kit	2
Spool_Holder_Flange	2
Timing Belt GT2 Profile - 2mm pitch - 6mm wide 1164mm long	1
ViKi LCD	1
V-Slot_20mmX80mm489.5mm	2
Window_Glass_420mm X 430mm	1

XY Axis Belt Tensioner A	2
XY Axis Belt Tensioner B	2
XY Axis Belt Tensioner Block A	2
XY Axis Belt Tensioner Block B	2
XY_LimitSwitch_Mount_A	1
XY_LimitSwitch_Mount_B	1
Z_Gantry_Plate	2
Z_Idler_Slide_Support	2
Z_Leadscrew_Bearing_Holder_Base	2
Z_Leadscrew_Bearing_Holder_Top	2