VALKYRIE V2 - HW BOM

Type - System	Part	Cut length	Qty Required	Pack Order Qty	Pack Price $USD	*Cost Price $USD	Order Link	Supplier
Bearing	04.5mm Bearing Ball		1	1	$ 4	$ 4	OD: 4.5mm G100 - N: 10PCS	Gosenballs
Bearing	05x16x5 Bearing 625ZZ		31	4	$ 5	$ 20	625ZZ - 10PCS	APE
Bearing	06x17x6 Bearing F606ZZ		24	3	$ 8	$ 24	F606ZZ - 10PCS	APE
Bearing	08x16x5 Bearing 688ZZ		2	1	$ 5	$ 5	688ZZ - 10PCS	APE
Bearing	16x400 DBX Draw Slides		2	1	$ 18	$ 18	C: Buffer 16in - 40cm	Naierdi
Bearing	M4x10mm Ball Bearing tapped		3	1	$ 5	$ 5	M4x10 Ball Bearing - 20PCS	Mellow 3D
Bearing	MGN 12H 350 Linear Rail		3	3	$ 42	$ 126	C: L350 - MGN12H - PL None	CNA
Bearing	MGN 12H 400 Linear Rail		2	2	$ 38	$ 76	C: L400 - MGN12H - PL Light	CNA
Bearing	MGN 9H 400 Linear Rail		1	1	$ 36	$ 36	C: L400 - MGN9H - PL Medium	CNA
Electrical	Buffer - LLL Plus Filament Buffer		1	1	$ 40	$ 40	Color: LLL Plus Buffer	Mellow 3D
Electrical	Buildplate Heater 750w	300x300	1	1	$ 78	$ 78	300x300 750W-120V/220V-NO GLUE!	Keenovo
Electrical	Cable Blue 18AWG 200C 600V		1	1	$ 5	$ 5	Color: Blue L: 1M S: 18 AWG	CHYAM
Electrical	Cable Green 18AWG 200C 600V		2	2	$ 5	$ 10	Color: Blue L: 1M S: 18 AWG	CHYAM
Electrical	Cable 2:1 Heat Shrink Tube 3mm		1	1	$ 1	$ 1	Color: black - ID: 3mm - L: 1M	SkyCable store
Electrical	Cable 2:1 Heat Shrink Tube 4mm		1	1	$ 1	$ 1	Color: black - ID: 4mm - L: 1M	SkyCable store
Electrical	Cable 2:1 Heat Shrink Tube 8mm		1	1	$ 1	$ 1	Color: black - ID: 8mm - L: 1M	SkyCable store
Electrical	Cable Black 20AWG		2	1	$ 1	$ 1	Color: Black - L: 2M - S: 20AWG	SkyCable store
Electrical	Cable Black 24AWG		5	1	$ 1	$ 1	Color: Black - L: 5M - S: 24AWG	SkyCable store
Electrical	Cable Blue 20AWG		2	1	$ 1	$ 1	Color: Blue - L: 2M - S: 20AWG	SkyCable store
Electrical	Cable Blue 24AWG		5	1	$ 1	$ 1	Color: Blue - L: 5M - S: 24AWG	SkyCable store
Electrical	Cable Brown 18AWG 200C 600V		1	1	$ 5	$ 5	Color: Brown L: 1M S: 18 AWG	CHYAM
Electrical	Cable Connector JST PH 6-Pin		1	1	$ 2	$ 2	C: Straight pin socket PQ: 10set Pins: 6P	ZSDZFYLLK
Electrical	Cable Green 20AWG		2	1	$ 1	$ 1	Color: Green - L: 2M - S: 20AWG	SkyCable store
Electrical	Cable Green 24AWG		5	1	$ 1	$ 1	Color: Green - L: 5M - S: 24AWG	SkyCable store
Electrical	Cable PET Braid sleeve		5	1	$ 4	$ 4	Color: Black Silver - L: 5M	SkyCable store
Electrical	Cable Red 20AWG		2	1	$ 1	$ 1	Color: Red - L: 2M - S: 20AWG	SkyCable store
Electrical	Cable Red 24AWG		5	1	$ 1	$ 1	Color: Red - L: 5M - S: 24AWG	SkyCable store
Electrical	Cable White 16AWG		5	1	$ 2	$ 2	Color: White - L: 5M - S: 16AWG	SkyCable store
Electrical	Cable White 24AWG		5	1	$ 1	$ 1	Color: White - L: 5M - S: 24AWG	SkyCable store
Electrical	Control Board Super8/Duet 3 6hc		1	1	$ 148	$ 148	Color: Duet 3 6HC	XJW TECH
Electrical	DHT 22 temp/humid sensor		1	1	$ 12	$ 12	C: 1PC DHT22 AM2302	Wxinko ES
Electrical	DIN Rail + terminal block kit UK2.5		1	1	$ 34	$ 34	Din Rail Terminal Block	ZSDZFYLLK
Electrical	ESP32 + Expansion Board		1	1	$ 17	$ 17	ESP32 + Expansion Board Combo	EZ-Electro
Electrical	Fan - CPAP Blower Robo		1	1	$ 10	$ 10	FAN - STYTJ02YM	MIMI Store
Electrical	Fan Dual Ball Bearing 4010		2	2	$ 5	$ 10	Size: 24V	Mellow 3D
Electrical	GX20 flange mount & Plug 10pin		1	1	$ 3	$ 3	Color: 10Pin	MannHwa
Electrical	GX20 flange mount & Plug 6pin		1	1	$ 3	$ 3	Color: 6Pin	MannHwa
Electrical	HDC-HE-10core HD connector female		1	1	$ 5	$ 5	Color: 10 female core	Shop4055013
Electrical	HDC-HE-10core HD connector male		1	1	$ 5	$ 5	Color: 10 male core	Shop4055013
Electrical	HDC-HE-4core HD connector female		2	2	$ 4	$ 9	Color: 4 female core	Shop4055013
Electrical	HDC-HE-4core HD connector male		2	2	$ 4	$ 9	Color: 4 male core	Shop4055013
Electrical	Heater - Cartridge Heater 24v 70W		1	1	$ 4	$ 4	Size: 24V	Mellow 3D
Electrical	Heater - PTC 24V 300W dbx		1	1	$ 14	$ 14	Color: 24V 300W	Tony Tang Store
Electrical	Lighting - 24v led strip 5M		1	1	$ 6	$ 6	Color: DC 24V - L: 5M	Dengsum
Electrical	Load Cell 5kg		1	1	$ 4	$ 4	Adafruit Industries LLC 4541	Digikey
Electrical	Load cell amplifier HX711		1	1	$ 12	$ 12	SparkFun Electronics 13879	Digikey
Electrical	Nema 17 40mm Z motor		3	1	$ 46	$ 46	C: 17HS16 2004S1	STEPPERONLINE
Electrical	Nema 17 48 S55 AB motor		2	2	$ 23	$ 45	C: 17HS19-2504S	STEPPERONLINE
Electrical	Power Fuse 10A		2	1	2.32	$ 2	486-3322-ND	Digikey
Electrical	Power Fuse holder 15A		1	1	4.82	$ 5	2298-PMA-DB-04-Q1S-ND	Digikey
Electrical	Power IEC + switch AC 15A		1	1	12.01	$ 12	CCM1916-ND	Digikey
Electrical	Power IEC extension lead		1	1	3.22	$ 3	Cable length: 1m - Color: Black	Shop5884151
Electrical	PSU 12V DC 35W meanwell		1	1	13.59	$ 14	Output Voltage: LRS-35-12	MEANWELL
Electrical	PSU 24V DC 350W meanwell		1	1	33.7	$ 34	Output Voltage: LRS-350-24 (24V)	STEPPERONLINE
Electrical	Solid State Relay		3	3	$ 15	$ 46	DC5-24V Solid State Relay	Mellow 3D
Electrical	Temp Sensor PT 1000		1	1	$ 12	$ 12	HT PT1000 Thermistor	Mellow 3D

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Fastener	05x10 D5 Shaft Collar DIN 705		1	1	$ 4	$ 4	ID: 5x10x6xM3	Hui Xing HW
Kinematics	GT1.5 Timing Belt AB EPDM 9mm		5	1	$ 19	$ 19	W: 9mm-EPDM L: 5M	POWGE
Kinematics	GT1.5 Timing Pulley 26T 11mm		2	2	$ 2	$ 4	BD: 5mm-Pulley BW: 10mm T: 26T	POWGE
Kinematics	GT2 Gear 20T(5mm)-80T(5mm)-W:6-200		3	3	$ 16	$ 48	BD:20T(5mm)-80T(5mm)-W:6mm-200	POWGE
Kinematics	GT2 Pulley 20T 11mm		6	1	$ 12	$ 12	BD: 5mm BW: 10mm N: 10PCS	POWGE
Kinematics	GT2 Timing Belt Z EPDM 9mm		4	1	$ 25	$ 25	W: red 9mm-EPDM L: 5M	POWGE
Magnet	Buildplate Sheet Magnet 15x03		28	1	$ 60	$ 60	Color: 50pcs 15x3mm	HW Store
Magnet	Magnet 06x05 SamCo HT		4	1	$ 9	$ 9	Color: 6x5mm (10Pcs)	Superb HW Store
Magnet	Magnet 20mm 10kg		6	1	$ 10	$ 10	Color: 6PCS S: A20	SZ-Ming
Magnet	Magnet Keeper 20x3		6	2	$ 2	$ 4	Size: 5pcs M4	TINGOO HS
Nut	M3 Hammer Nut		94	2	$ 3	$ 6	Color: 20-M3	BULK-MAN
Nut	M3 Nut DIN 934		48	2	$ 1	$ 2	S: 25pcs M3	TINGOO HS
Nut	M3 Nut Locknut DIN 985		11	2	$ 1	$ 2	S: 10pcs M3	TINGOO HS
Nut	M4 Nut DIN 934		6	1	$ 1	$ 1	S: 25pcs M4	TINGOO HS
Nut	M4 Nut Locknut		3	2	$ 1	$ 2	S: 10pcs M4	TINGOO HS
Nut	M5 Hammer Nut		192	4	$ 3	$ 12	Color: 20-M5	BULK-MAN
Nut	M5 Nut DIN 934		42	2	$ 1	$ 2	S: 25pcs M5	TINGOO HS
Nut	M5 Nut Locknut		10	1	$ 1	$ 1	S: 10pcs M5	TINGOO HS
Plumbing	LC - 04mm ID Barb 1/4"		6	6	$ 2	$ 13	S: 4mm Barb - TS: 1/4"	EES Store
Plumbing	LC - Extruder radiator 30x30x9.5		1	1	$ 13	$ 13	Color: 30x30	Cynzo
Plumbing	LC - Fan - 120mm		1	1	$ 14	$ 14	Color: P16-b-1fan	PADO OS
Plumbing	LC - Flowmeter		1	1	$ 31	$ 31	Flow Liquid Monitoring LSJ-ZNBJ	FREEZEMOD
Plumbing	LC - M5-4ID Elbow Fitting		2	1	$ 3	$ 3	C: WX-KPC4-M5	ZGUA Store
Plumbing	LC - Pump		1	1	$ 44	$ 44	C: 65mm-Black	SysCooling
Plumbing	LC - Radiator 120mm		1	1	$ 30	$ 30	AS120-T 120mm radiator 22mm	SysCooling
Plumbing	LC - Tubing 4x6 mm IDxOD 5M		3	1	$ 9	$ 9	C: 4x6mm - L: 5M	ANHI Store
Profile	15x15x1 Aluminum Tube L: 230mm	230	4	2	$ 4	$ 8	L: 500mm - S: 15x15x1mm	18th Gw
Profile	2020 Joining Plate 90 Deg		2	1	$ 15	$ 15	Color: 2020 (4pcs)	BULK-MAN
Profile	2020 T-Slot X Profile Top Rear	420	1	1	$ 12	$ 12	Color: L 420mm - 2020	HighQ Store
Profile	2020 T-Slot Z Center Rear	368	1	1	$ 11	$ 11	Color: L 368mm - 2020	HighQ Store
Profile	2020 T-Slot Z Center Rear Top	172	1	1	$ 9	$ 9	Color: L 172mm - 2020	HighQ Store
Profile	2028 T-Slot L-Bracket		34	4	$ 5	$ 22	Color: 10PCS 2028 Silver	HTCC Store
Profile	2040 T-Slot X Length Profile	420	4	4	$ 15	$ 60	Color: L 420mm - 2040	HighQ Store
Profile	2040 T-Slot Y Length Profile	480	4	4	$ 16	$ 64	Color: L 480mm - 2040	HighQ Store
Profile	2040 T-Slot Z Height Profile	750	4	4	$ 40	$ 160	Color: L 750mm - 2040	HighQ Store
Profile	20x20x1 Aluminum Tube L: 410mm	410	1	1	$ 4	$ 4	L: 500mm - S: 20x20x1mm	18th Gw
Profile	300x300x3mm - PC Sheet	286	2	1	$ 18	$ 18	S: 300x300x3mm2	Shop110
Profile	Buildplate Cast AL 5083 8mm	350x350x8	1	1	$ 100	$ 100	Source locally or ask MELLOW	Local
Profile	Plate - AL for DIN & SSR	180x150x3	2	2	$ 10	$ 19	Color: 200x200mm - S: 3mm 1pc	18th Gw
Screw	M3x03 Set Screw DIN 913		7	1	$ 2	$ 2	Size: 50pcs M3 L: 3mm	TINGOO HS
Screw	M3x05 Set Screw DIN 916		4	1	$ 3	$ 3	Size: 20pcs M3 L: 5mm	TINGOO HS
Screw	M3x08 BH ISO 7380		8	1	$ 2	$ 2	S: 25pcs M3 - L: 8mm	TINGOO HS
Screw	M3x08 FH DIN 7991		16	1	$ 2	$ 2	S: 25pcs M3 - L: 8mm	TINGOO HS
Screw	M3x08 SH DIN 912 ISO 4762		122	13	$ 2	$ 26	S: 10pcs M3 - L: 8mm	TINGOO HS
Screw	M3x10 SH DIN 912 ISO 4762		38	4	$ 3	$ 11	S: 10pcs M3 - L: 10mm	TINGOO HS
Screw	M3x12 FH DIN 7991		6	1	$ 2	$ 2	Size: 25pcs M3 L: 12mm	TINGOO HS
Screw	M3x12 SH DIN 912 ISO 4762		20	2	$ 3	$ 6	S: 10pcs M3 - L: 12mm	TINGOO HS
Screw	M3x20 HEX ISO 4017 DIN 933		1	1	$ 3	$ 3	S: 25PCS M3 - L: 20mm	TINGOO HS
Screw	M3x20 SH Din 912		7	1	$ 3	$ 3	S: 10pcs M3 - L: 20mm	TINGOO HS
Screw	M4x12 FH DIN 7991		1	1	$ 2	$ 2	Size: 10pcs M4 L: 12mm	TINGOO HS
Screw	M4x14 SH DIN 912 ISO 4762		3	1	$ 1	$ 1	S: 10pcs M3 - L: 14mm	TINGOO HS
Screw	M4x16 D5 Shoulder Screw		6	6	$ 1	$ 7	S: D5-M4 L: 16	TINGOO HS
Screw	M4x20 FH DIN 7991		4	1	$ 2	$ 2	S: 10pcs M4 - L: 20mm	TINGOO HS
Screw	M4x25 FH DIN 7991		3	1	$ 3	$ 3	S: 10pcs M4 - L: 25mm	TINGOO HS
Screw	M4x35 HEX ISO 4017 DIN 933		2	1	$ 3	$ 3	S: 10PCS M4 - L: 35mm	TINGOO HS
Screw	M4x50 FH DIN 7991		4	1	$ 3	$ 3	S: 10pcs M4 - L: 50mm	TINGOO HS
Screw	M4x55 D5 Shoulder Screw		4	1	$ 6	$ 6	S: 5PCS 5-M4 - L: 55mm	TINGOO HS
Screw	M5x10 BH ISO 7380		166	17	$ 2	$ 41	S: 10pcs M5 - L: 10mm	TINGOO HS
Screw	M5x16 BH ISO 7380		3	1	$ 3	$ 3	S: 10pcs M5 - L: 16mm	TINGOO HS
Screw	M5x20 BH ISO 7380		6	1	$ 3	$ 3	S: 10pcs M5 - L: 20mm	TINGOO HS
Screw	M5x20 HEX ISO 4017 DIN 933		3	1	$ 3	$ 3	S: 10Pcs M5 - L: 20mm	TINGOO HS
Screw	M5x30 BH ISO 7380		4	1	$ 3	$ 3	S: 10pcs M5 - L: 30mm	TINGOO HS
Screw	M5x30 HEX ISO 4017 DIN 933		2	1	$ 3	$ 3	S: 10Pcs M5 - L: 30mm	TINGOO HS
Screw	M5x40 HEX ISO 4017 DIN 933		44	5	$ 3	$ 16	S: 10Pcs M5 - L: 40mm	TINGOO HS
Screw	M5x55 HEX ISO 4017 DIN 933		17	2	$ 4	$ 7	S: 10Pcs M5 - L: 55mm	TINGOO HS
Screw	M6x10 BH ISO 7380		24	3	$ 3	$ 8	S: 10pcs M6 - L: 10mm	TINGOO HS

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Shaft	03x25 Bearing shaft		1	1	$ 3	$ 3	D: 10PCS M3 - L: 25mm	TINGOO HS
Shaft	05x40 Bearing Shaft		6	1	$ 10	$ 10	S: 5x40 - 20PCS	HE Material
Shaft	05x50 Bearing Shaft		6	1	$ 12	$ 12	S: 5x50 - 20PCS	HE Material
Shaft	06x25 Bearing Shaft		4	1	$ 10	$ 10	6x25 - 20PCS	HE Material
Shaft	06x40 Bearing Shaft		8	1	$ 12	$ 12	6x40 - 20PCS	HE Material
Shaft	08x400 Steel Rod - Door Link	400	1	1	$ 6	$ 6	L: 400 D: 8mm	YUNSHUO
Spring	07x10 Spring 0.4 WD		2	1	$ 13	$ 13	L: 10mm(10pcs) - WD: 0.4 - OD: 7mm	AZ-hw
Toolpart	CPAP Part Fan Tube 125C+		1	1	$ 68	$ 68	PFA HT CPAP TUBE	YouQin5 Store
Toolpart	Extruder - BIQU H2 V2X		1	1	$ 35	$ 35	BTT H2 V2X Extruder	BTT
Toolpart	Heater Block Copper NF-Crazy		1	1	$ 18	$ 18	NF-Crazy Heater Block	Mellow 3D
Toolpart	Mothend V2		1	1	$ 48	$ 48	PCBWay	PCB way
Toolpart	NF crazy Screw Kit		1	1	$ 1	$ 1	Color: SET6	Mellow 3D
Toolpart	NF crazy Tubes Kit		1	1	$ 2	$ 2	Color: SET2	Mellow 3D
Toolpart	Nozzle V6 Hardened 0.6		1	1	$ 11	$ 11	Size: 0.6mm	Mellow 3D
Toolpart	V6 Bimetal Heatbreak		1	1	$ 10	$ 10	Color: Bi-Metal Short	Lerge
Washer	05x08x1 Precision Shim		32	1	$ 3	$ 3	M5x8x1mm - 50PCS	TINGOO HS
Washer	06x12x1 Precision Shim		36	1	$ 3	$ 3	ID: M6x12x50PCS OD: 1mm	TINGOO HS
Washer	08x12x1 Precision Shim		2	1	$ 3	$ 3	ID: M8x12x50PCS OD: 1mm	TINGOO HS
Washer	M3 Washer DIN 125		88	2	$ 2	$ 4	ID: M3 50pcs	TINGOO HS
Washer	M4 Washer DIN 125		13	1	$ 3	$ 3	ID: M4 50pcs	TINGOO HS
Washer	M5 Washer DIN 125		183	4	$ 3	$ 11	ID: M5 50pcs	TINGOO HS
	Price exl Taxes					**$ 2,338**	***shipping cost may vary**	