## вом

Part name	Quantity
DF45L024048-A – Brushless DC motor Hobbywing FPV XRotor 3110 900KV 6s 1300mAh -120C - GNB HV XT60	4 1 1
M3 16mm galvanized steel countersunk screw, 100 pack	1
M3 galvanized steel locking washers, 200 pack	1
M3 steel locking washers, 200 pack	1
M3 stainless steel nut, 100 pack PHR-6	1 8
B6B-PH-K-S	10
VHR-5N	10
Bearings with flange iglidur® M250	200
X-RING 3.63X2.62/NBR70	100
SEN0374	1
Raspberry Pi RTC	1
LT3751	2
LM74500QDDFRQ1	2
BUK9Y8R5-80EX	2
NUCLEO-H723ZG	1
SX1280IMLTRT	1
SKY66122-11	1
B-G431B-ESC1	5
Wheel hub 4mm	4
Raspberry Pi 4 Model B/8GB	1 1
Raspberry Pi Kameramodul 3 Bearings 5mm	6
M3 threaded inserts 3mm, 50 pack	1
APDS-9960	1
TOF400C-VL53L1	1
VL6180 TOF	1
XT60PW-M	1
2-post pillow block, 32mm bore	4
B5P-VH	10
OFFERT finns för nedanstående, se bifogad fil OFFERT – BROADCOM AEDB-9140-A13	8

## Distributor

https://www.nanotec.com/eu/en/products/1786-df45l024048-a

https://www.elefun.se/p/prod.aspx?v=65193

https://www.elefun.se/p/prod.aspx?v=63197

https://www.elfa.se/sv/foersaenkt-skruv-foersaenkt-huvud-torx-t10-m3-16mm-paket-med-100-delar-rnd-rnd-610-00397/p/3017

https://www.elfa.se/sv/lasbricka-m3-foerzinkat-stal-bossard-az-2x6x0/p/30071826

https://www.elfa.se/sv/lasbricka-m3-stal-bossard-az-2x6x0-cll4880/p/30071831

https://www.elfa.se/sv/sexkantsmutter-m3-4mm-rostfritt-stal-rnd-rnd-610-00485/p/30172720?trackQuery=M3%20mutter&pos= https://www.elfa.se/sv/hylskontakthus-crimpanslutning-uttag-sockel-positioner-2mm-jst-phr/p/14301984?redirectQuery=PHR-0

https://www.elfa.se/sv/stiftlist-enradig-rak-6p-kontaktdon-anslutningsdon-positioner-2mm-jst-b6b-ph/p/14301948?itemList=cor

https://www.elfa.se/sv/crimp-kontakthus-uttag-sockel-positioner-96mm-jst-vhr-5n/p/30021738 https://www.igusab.se/iglidur-ibh/flanged-bearings/product-details/iglidur-m250-m?artnr=MFM-0103-02#quantity=100&dimens

https://webbshop.teknikprodukter.se/x-ring-3-63x2-62-nbr70-2111395n70

https://www.mouser.se/ProductDetail/DFRobot/SEN0374?qs=81r%252BiQLm7BRSXhV57X59YA%3D%3D

https://www.mouser.se/ProductDetail/Seeed-Studio/103030277?qs=0lSvoLzn4L8soh3xbH07wQ%3D%3D

https://www.mouser.se/ProductDetail/Analog-Devices/LT3751IFEPBF?qs=hVkxq5c3xu8wGIOCrD9eEw%3D%3D

https://www.mouser.se/ProductDetail/Texas-Instruments/LM74500QDDFRQ1?qs=stqOd1AaK7%252BDaoIIEn1S7q%3D%3E https://www.mouser.se/ProductDetail/Nexperia/BUK9Y8R5-80EX?qs=5XOdhvmYM0NT76c8T6Twdw%3D%3D

https://www.mouser.se/ProductDetail/511-NUCLEO-H723ZG

https://www.mouser.se/ProductDetail/Semtech/SX1280IMLTRT?qs=5aG0NVq1C4xuoq8G6ZzdxQ%3D%3D

https://www.mouser.se/ProductDetail/Skyworks-Solutions-Inc/SKY66122-11?qs=stqOd1AaK7%2F9zH4JdBCX2A%3D%3D

https://www.mouser.se/ProductDetail/511-B-G431B-ESC1

https://www.electrokit.com/axelnav-med-klamfaste-4mm

https://www.electrokit.com/raspberry-pi-4-model-b/8gb

https://www.electrokit.com/raspberry-pi-kameramodul-3-12mp-75

https://www.electrokit.com/kullager-5mm

https://www.electrokit.com/ganginsats-m3-x-3mm-50-pack

https://www.electrokit.com/apds-9960-rgb-och-rorelsesensor

https://www.amazon.com/Teyleten-Robot-TOF400C-VL53L1X-Distance/dp/B0CLDKMGZR

https://www.tinytronics.nl/en/sensors/distance/vl6180-time-of-flight-tof-distance-sensor

https://www.tme.eu/se/details/xt60pw-m/dc-kontaktdon/amass/

https://eu.robotshop.com/products/servocity-1-side-2-post-pillow-block-32mm-bore

https://se.farnell.com/jst-japan-solderless-terminals/b5p-vh-lf-sn/connector-header-5pos-3-96mm-1row/dp/2399164

https://uk.farnell.com/broadcom-limited/aedb-9140-a13/encoder-3channel-500cpr-8mm/dp/1161087

	ВОМ
Distributor Part Number	
DF45L024048-A	
	65193
004 70 000	63197
301-72-632	
300-71-826	
300-71-831	
301-72-720 143-01-984	
143-01-984 143-01-948	
300-21-738	
MFM-0103-02	
2111395N70	
426-SEN0374	
713-103030277	
584-LT3751IFE#PBF	
595-LM74500QDDFRQ1	
771-BUK9Y8R5-80EX	
511-NUCLEO-H723ZG	
947-SX1280IMLTRT	
873-SKY66122-11	
511-B-G431B-ESC1	
	41020172
41017664 - Raspberry Pi	
41020240 - Raspberry Pi	
	41019266
	41018554
41013512 – Sparkfun	
VTCODWA	

XT60PW-M RP-Sct-2151 JST (JAPAN SOLDERLESS TERMINALS) B5P-VH(LF)(SN)

BROADCOM AEDB-9140-A13

## ВОМ

Manufacturer	Mfr Part number	Á price
		818.4
https://www.hobbywing.com/	HW30418005	219
http://www.gaonengbattery.com/	GNB13006S120AHV	442
https://www.elfa.se/sv/manufacturer/rnd/man_rnd	RND 610-00397	21.6
https://www.bossard.com/se-sv/	AZ 3,2X6X0,4	69.7
https://www.bossard.com/se-sv/	AZ S 3,2X6X0,4 / CLL4880 S	83.3
https://www.elfa.se/sv/manufacturer/rnd/man_rnd	RND 610-00485	21.85
https://www.elfa.se/sv/manufacturer/jst/man_jst	PHR-6	1.07
https://www.elfa.se/sv/manufacturer/jst/man_jst	B6B-PH-K-S	5.43
https://www.elfa.se/sv/manufacturer/jst/man_jst	VHR-5N	2.22
https://www.igusab.se/	MFM-0103-02	3.34
		6.2
https://www.mouser.se/manufacturer/dfrobot/	SEN0374	191.48
https://www.mouser.se/manufacturer/seeed-studio/	103030277	' 1
https://www.mouser.se/manufacturer/analog-devices/	LT3751IFE#PBF	147.09
https://www.mouser.se/manufacturer/texas-instruments/	LM74500QDDFRQ1	16.45
https://www.mouser.se/manufacturer/nexperia/	BUK9Y8R5-80EX	17.94
https://www.mouser.se/manufacturer/stmicroelectronics/	NUCLEO-H723ZG	322.58
https://www.mouser.se/manufacturer/semtech/	SX1280IMLTRT	75.44
https://www.mouser.se/manufacturer/skyworks-solutions/	SKY66122-11	40.48
https://www.mouser.se/manufacturer/stmicroelectronics/	B-G431B-ESC1	208.96
https://www.gobilda.com/	1309-0016-0004	139
https://www.raspberrypi.com/		979
https://www.raspberrypi.com/		369
		15
		95
https://www.sparkfun.com/	APDS-9960	199
https://www.mouser.se/manufacturer/stmicroelectronics/	VL53L1CBV0FY/1	176.32
https://www.st.com/en/imaging-and-photonics-solutions/vl6180.html	VL6180	33
https://www.tme.eu/se/katalog/p,amass_1260/	XT60PW-M	11.21
https://www.servocity.com/	1602-0032	172.29
https://se.farnell.com/b/jst-japan-solderless-terminals	B5P-VH(LF)(SN)	5.21
https://uk.farnell.com/b/broadcom	AEDB-9140-A13	309

## BOM

1 Robot Cost Lead time	Notes
3273.6 In stock	BLDC motors for the wheels, compact size, ligh Sensored ESC is required if these are used
219 In stock	BLDC motor for the dribbler
442 In stock	Battery
21.6 In stock	Dattory
69.7 In stock	
83.3 In stock	
21.85 In stock	
8.56 In stock	Hall sensor connector for the motor
54.3 In stock	Hall sensor connector for the motor
22.2 In stock	Motor connectors
334 in stock	Price dependent on the amount you buy
620 in stock	Price dependent on the amount you buy
191.48 4 left in stock	9Dof IMU
47.61 In stock	
	Capacitor charging controller for kicker
294.18 In stock	
32.9 In stock	Reverse polarity protection
35.88 In stock	Mosfet used with the reverse polarity protection
	If we do not develop our own pcb this microcon
322.58 In stock	Er, ADC, communication, supports micro ros
75.44 In stock	RF Transceiver Long range 2.4 GHz Wireless 1
40.48 In stock	RF Front End OFDM, 863 to 928 MHz, Wi-SUN
1044.8 In stock	Datasheet
556 in stock	
979 In stock	Can be substituted with Raspberry Pi 4 Model E
369 In stock	Needs to be ordered with Raspberry Pi 4 Mode
90 In stock	for dribbler assembly.
95 In stock	Chasen by Ilda A. DCD conser
199 In stock	Chosen by UdeA, RGB sensor
176.32 In stock	Chosen by UdeA, could not find from another s
33 In stock 11.21 In stock	Chosen by UdeA, could not find from another s XT60 PCB connector
	71.00.00
689.16 On demand, 1 month delivery time 52.1 In stock	For extra support for the wheels, compatible will Motor connectors
DZ.I III SlUCK	MOTOL COULECTORS
2472 In stock	Offert från farnell med studentrabatt

12977.25