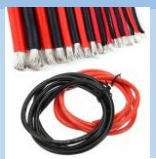
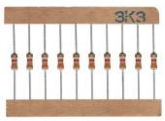
Class	1MCT2
First Name:	Jonas
Name	Van Slambrouck
Project Name :	SmartSkate
Assembly Revision :	2
Approval Date :	16/03/2021
Part Count :	25
Total Cost :	€528,92

Part #	Part Name	Image	Description
1	VECS		Flipsky Mini FSESC4.20 50A ESC Based Upon VESC With Aluminum Anodized Heat Sink for Rc Car
2	RPI		raspberry pi 4
3	Battery		2Pcs ZOP Power 11.1V 5000mAh 60C 3S Lipo Battery XT60 Plug For RC Car Quadcopter
4	Motor		Flipsky 6354 190KV 2450W Brushless Sensored Motor Shaft 8mm for Electric Skateboard RC Models
5	Level shifter for battery voltage		10 Pcs 3.3V 5V TTL Bi-directional Logic Level Converter Geekcreit for Arduino - products that work with official Arduino boards
6	Bolt M4		M4 x 55mm Bolt
7	OLED		Geekcreit® 0,96 inch 4-pins blauw geel IIC I2C OLED displaymodule Geekcreit voor Arduino - producten die werken met officiële Arduino-boards
8	Anti-spark xt-90		Amass Anti Spark Sparkproof Connector Plug XT90-S For Batttery RC Drone FPV Racing Multi Rotor
9	Silicone wire		1M 8/10/12/14/16/18/20/22/24/26 AWG Silicone Wire SR Wire - 14AWG
10	Wii remote		Dolphix Wii Remote Controller voor Nintendo Wii, Wii Mini en Wii U / wit

11	Penny board		BRIGHT LIGHT 27"
12	Wheels		BLOOD ORANGE MORGAN PRO MODEL 70MM WHEELS
13	JST-XH		460pcs JST-XH 2.54mm 2/3/4/5/6Pin Connector Male/Female Wire Terminal Block Kit
14	4mm bullet connector		50 Pair 4mm Gold Bullet Connector Banana Plug For ESC Battery Motor
15	Timing belt		Belt - 270mm
16	GPS		Beitian BN-880 Flight Control GPS Module Dual Module Compass With Cable for RC Drone FPV Racing
17	Button		Machifit DC 5V 19mm 4 Pin Momentary Switch Led Light Metal Push Button Waterproof Switch - Green
18	Motor Pulley		Flipsky 8mm D/Round Shape Motor Pulley Electric Skateboard Gear Accessories - Round Shape 10mm
19	XT-90 Connector		10 Pair Amass XT90+ Plug Connector Male & Female With Sheath for RC Drone Airplane Car Battery Cable
20	lvl-shifter		MCP3008 - 8-Channel 10-Bit ADC With SPI Interface
21	power bank		XTORM POWER BANK RUGGED 10.000
22	schrink tube		Soloop 328pcs 2:1 Polyolefin Halogen-Free Heat Shrink Tube Sleeving 5 Color 8 Size
23	PCB		Geekcreit® 40pcs FR-4 2.54mm Double Side Prototype PCB Printed Circuit Board

24	resistor set		300Pcs 1RΩ-3MΩ 1/2W 5% Carbon Film Resistor 30 Value Assorted Kit

Total

Revisi	Qty	Supplier	also available from	Units	Unit Cost
1	1	Banggood	https://www.banggood.com/Fli	each	€ 54,08
1	1	SosSolutions	https://www.sossolutions.nl/raspberry-pi-4-model-b-4gb	each	€ 59,95
1	1	Banggood	https://www.banggood.com/2P	each	€ 54,58
1	1	Banggood	https://www.banggood.com/Fli	each	€ 56,78
1	1	Banggood	https://www.banggood.com/10-Pcs-3_3V-5V-TTL-Bi-directional-Logic-Level-Converter-p	each	€ 4,41
1	5	Mboards	https://www.mboards.co/collec	each	€ 0,42
1	1	Banggood	https://nl.banggood.com/Geekcreit-0_96-Inch-4Pin-Blue-Yellow-IIC-I2C-OLED-Display-Module-Geekcreit-for-Arduino	each	€ 3,02
1	1	Banggood	https://www.banggood.com/An	each	€ 3,70
1	2	Banggood	https://www.banggood.com/1M-8-or-10-or-12-or-14-or-16-or-18-or-20-or-22-or-24-or-26-AWG-Silicone-Wire-SR-Wire-	each	€ 3,72
1	1	Bol	https://www.bol.com/nl/p/dolphix-wii-remote-controller-voor-nintendo-wii-wii-mini-wii-u-	each	€ 25,99

1	1	Penny	https://eu.pennyskateboards.com/penny-cruiser-27-bright-light-black+turquoise.html	each	€ 119,99
1	1	SickBoards	https://www.sickboards.nl/en/lc	each	€ 64,95
1	1	Banggood	https://www.banggood.com/460pcs-JST-XH-2_54mm-2-or-3-or-4-or-5-or-6Pin-Connector-	460	€ 10,72
1	1	Banggood	https://www.banggood.com/50-Pair-4mm-Gold-Bullet-Connector-Banana-Plug-For-	50	€ 2,61
1	1	Mboards	https://www.mboards.co/collections/pulleys-and-mounts/products/belt-270mm	each	€ 8,34
1	1	Banggood	https://www.banggood.com/Beitian-BN-880-Flight-Control-GPS-Module-Dual-Module-	each	€ 18,15
1	1	Banggood	https://www.banggood.com/DC-5V-19mm-4-Pin-Momentary-Switch-Led-Light-Metal-Push-Button-	each	€ 2,78
1	1	Banggood	https://www.banggood.com/Flipsky-8mm-D-or-Round-Shape-Motor-Pulley-Electric-Skateboard-Gear-	each	€ 11,44
1	1	Banggood	https://www.banggood.com/Flipsky-Mini-FSESC4_20-50A-ESC-Based-Upon-VESC-With-Aluminum-Anodized-	10	€ 14,81
1	1	adafruit	https://www.adafruit.com/product/856	each	€ 3,08
1	1	xtorm	https://www.xtorm.eu/en/shop/xtorm-power-bank-rugged-10-000/	each	€ 59,00
1	1	Banggood	https://www.banggood.com/Soloop-328pcs-2-1-Polyolefin-Halogen-Free-Heat-Shrink-Tube-Sleeving-5-Color-8-Size-	each	€ 6,58
1	1	Banggood	https://www.banggood.com/Geekcreit-40pcs-FR-4-2_54mm-Double-Side-Prototype-PCB-Printed-Circuit-Board-p-	each	€ 5,76

1	1	Banggood	https://www.banggood.com/300Pcs-1R-3M-1-or-2W-5-pencent-Carbon-Film-Resistor-30-Value-Assorted-Kit-p	each	€ 6,58
20	**25**				

Max Cost	Real Cost
€ 54,08	
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€	**528,92**