

CLASS: 1MCT4
NAME: Buyse
FIRSTNAME: Tjörven
Assembly Name : _____
Assembly Revision : 2
Approval Date : _____
Part Count : 11
Total Cost : €182

Part #	Part Name	Description	Revision	Qty
1	Raspberry Pi 4 Model B / 4GB	Raspberry Pi to control the entire system	1	1
3	USB powerbank	Battery for powering device	1	1
5	LCD screen	To display statistics	1	1
6	MPU6050	To get orientation of sword and internal temperature	1	3
7	3D print housing	3D printed sword + holders for components	1	1
9	Fan	To cool down the Pi and sensors	1	1
10	capacitive touch button	To start the game	1	1
12	MCP3008	To read analog values and send them to Raspberry Pi	1	1
13	ME110	moisture sensor	1	1

Total

11

Picture of Assembly

Supplier	also available from	Units	Unit Cost
/nl/p/raspberry-pi-4-b-4-gb-4-x-1-5-ghz-raspe/nl/product/836200/raspberry-		1	€ 97.00
87640%2Ctid_aud-1676968687630%3Apla-337413982753%2Cgn_g%2C		1	€ 54.00
-google-shopping-clicks&utm_campaign=s 2532-S-1075852962858-9300C		1	€ 8.20
ree-google-shopping-clicks&utm_campaign=shopping-feed&vat=true&qcli		3	€ 4.00
own design and printer		1	€ -
reporpuse from 3d printer		1	€ -
VL/ref=sr_1_3?crd=17STMOCUBP3UT&keywords=capacitive+touch+swi		1	€ 6.00
microchip.com/en-us/product/MCP3008#buy-from-store		1	€ 2.91
ad.com/p/iduino-me110-soil-moisture-sensor-1-pcs-1616242		1	€ 1.69

Max Cost	Real Cost
€ 97.00	
€ 54.00	
€ 8.20	
€ 12.00	
€ -	
€ -	
€ 6.00	
€ 2.91	
€ 1.69	
€ -	

€ 181.80