

Class	1MCT2
First Name:	Flor
Name	Werbrouck
Project Name :	Cof-fi
Assembly Revision :	_____
Approval Date :	_____
Part Count :	9
Total Cost :	€124

Part #	Part Name	Description	Revision	Qty
1	rasberry pi	rasberry pi to control the entire system	1	1
2	LCD scherm	Screen to display info on the machine	1	1
3	LDR	LDR to see if there is a mug under the coffee machine	1	1
4	Ultrasonor Sensor	Sensor to get the water level inside the machine	1	1
5	LED strip	LED strip that can be used as progress bar	1	1
	Water temperature sensor	Sensor to get the temperature of the water	1	1
	5v relais	Relais to control the button of the coffee machine	1	1
	level shifter	Level shifter to control the 5v relais	1	1

Power Supply

To give power to the  
raspberry pi and  
electronics

1

1

**Total**

**9**



Supplier	also available from	Units	Unit Cost	Max Cost
<a href="https://www.raspberrystore.nl/">https://www.raspberrystore.nl/</a>	<a href="https://tweakers.net/">https://tweakers.net/</a>	1	\$ 41.95	€ 41.95
<a href="https://www.otronic.nl/a-59864177/displays">https://www.otronic.nl/a-59864177/displays</a>	<a href="https://www.bol.com/nl/p/mini-c">https://www.bol.com/nl/p/mini-c</a>	1	\$ 5.95	€ 5.95
<a href="https://www.kiwi-electronics.nl/lichtgevoelige-weerstand-LDR?search=ldr&amp;description=true">https://www.kiwi-electronics.nl/lichtgevoelige-weerstand-LDR?search=ldr&amp;description=true</a>		1	\$ 1.95	€ 1.95
<a href="https://www.kiwi-electronics.nl/ultrasonic-sensor-hc-sr04">https://www.kiwi-electronics.nl/ultrasonic-sensor-hc-sr04</a>		1	\$ 4.95	€ 4.95
<a href="https://www.ledstripkoning.be/speciale-leds">https://www.ledstripkoning.be/speciale-leds</a>	<a href="https://www.tinytronics.nl/shop">https://www.tinytronics.nl/shop</a>	1	\$ 18.95	€ 18.95
<a href="https://www.tinytronics.nl/ss-101990019?search=one%20wire&amp;description=true">https://www.tinytronics.nl/ss-101990019?search=one%20wire&amp;description=true</a>		1	\$ 8.95	€ 8.95
<a href="https://www.tinytronics.nl/tweekanaals-relais-module-5v?search=5v%20relais&amp;description=true">https://www.tinytronics.nl/tweekanaals-relais-module-5v?search=5v%20relais&amp;description=true</a>		1	\$ 6.95	€ 6.95
<a href="https://www.tinytronics.nl/afe-bi-directional-logic-level-converter-BSS138?search=level%20shifter&amp;description=true">https://www.tinytronics.nl/afe-bi-directional-logic-level-converter-BSS138?search=level%20shifter&amp;description=true</a>		1	\$ 4.75	€ 4.75

<a href="#">)+Embedded+Switch+Mode+Power+Supplies+(SMPS)- -6447067&amp;match</a>	1	\$ 29.51	€ 29.51
			€ -
			€ -
			<b>€ 123.91</b>

**Real Cost**

€ 41.95

€ 5.95

€ 1.95

€ 4.95

€ 18.95

€ 8.95

€ 6.95

€ 4.75

€ 29.51