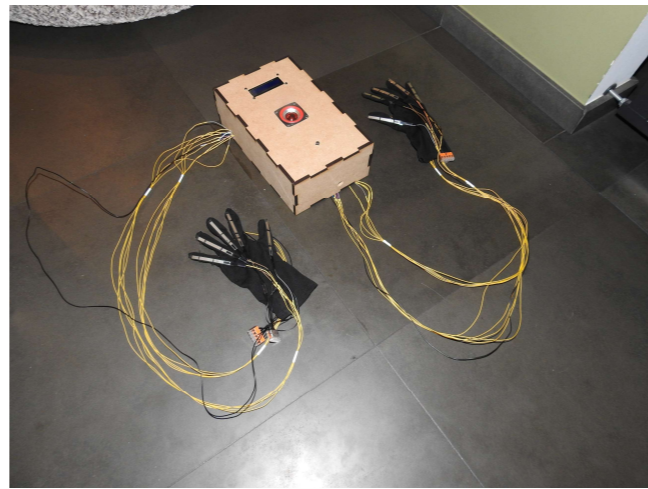


Class 1MCT2  
 First Name: Elliot  
 Name Heyse  
 Project Name : KeyGlove  
 Assembly Revision : 3  
 Approval Date :  
 Part Count : 35  
 Total Cost : €311



| Part # | Part Name                              | Description                            | Revision | Qty | Supplier                                      | also available from                                     | Units | Unit Cost | Max Cost | Real Cost |
|--------|--|--|----------|-----|---|---|-------|-----------|----------|-----------|
| 1      | Raspberry Pi 4 Model B                 | microcontroller                        | 1        | 1   | Unikits                                       | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 65,00   | € 65,00  |           |
| 2      | MicroSD 16GB                           | micro SD geheugenkaart                 | 1        | 1   | Unikits                                       | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 5,99    | € 5,99   |           |
| 3      | 5V 3A USB-C power supply               | voeding voor de Raspberry Pi 4 Model B | 1        | 1   | Unikits                                       | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 10,35   | € 10,35  |           |
| 4      | LCD1602                                | LCD scherm                             | 1        | 1   | Unikits                                       | <a href="https://www.otronic.nl">otronic.nl</a>         | each  | € 3,49    | € 3,49   |           |
| 6      | High precision pressure sensor 20g~2kg | Mechanische druksensor                 | 1        | 10  | Walfront                                      | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 3,56    | € 35,55  |           |
| 7      | Taiwan Alpha Flex Sensor 60mm          | Buigsensor                             | 1        | 10  | Taiwan Alpha                                  | <a href="https://www.tinytronics.nl">tinytronics.nl</a> | each  | € 6,75    | € 67,50  |           |
| 8      | 10 Watt 4 Ohm Speaker                  | geluidsspreker                         | 1        | 1   | allekabels.be                                 | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 6,50    | € 6,50   |           |
| 9      | LM386 amplifier                        | Versterkermodule voor de luidspreker   | 1        | 1   | <a href="https://www.hailege.com">Hailege</a> | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 1,38    | € 1,38   |           |
| 10     | 5V power supply                        | voeding voor de versterker & LCD       | 1        | 1   | unikits                                       | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 11,58   | € 11,58  |           |
| 11     | MCP3008                                | SPI-bus expander                       | 2        | 4   | unikits                                       | <a href="https://www.amazon.com">amazon.com</a>         | each  | € 22,90   | € 91,60  |           |

|              |                            |                               |           |   |                      |  |                 |   |       |   |                 |
|--------------|----------------------------|-------------------------------|-----------|---|----------------------|--|-----------------|---|-------|---|-----------------|
| 12           | ESP32                      | microcontroller               | 3         | 1 | unikits              | <a href="http://bol.com">bol.com</a>           | each            | € | 9,99  | € | 9,99            |
| 13           | button                     | drukknop                      | 3         | 1 | unikits              | <a href="http://otronic.nl">otronic.nl</a>     | each            | € | 0,30  | € | 0,30            |
| 14           | potentiometer              | trimmer                       | 3         | 2 | unikits              | <a href="http://otronic.nl">otronic.nl</a>     | each            | € | 0,90  | € | 1,80            |
| 15           | breadboard                 | breadboard                    | 3         | 3 | unikits, Gotron Gent | <a href="http://gotron.be">gotron.be</a>       | each            | € | 10,75 | € | 32,25           |
| 16           | gloves                     | fine gloves to mount sensors  | 3         | 1 | decathlon            | <a href="http://shein.com">shein.com</a>       | pair            | € | 1,00  | € | 1,00            |
| 17           | 600x450x6mm MDF wood sheet | material to construct housing | 3         | 1 | IDC Howest Kortrijk  | <a href="http://houtmarkt.nl">houtmarkt.nl</a> | mm <sup>2</sup> | € | 1,00  | € | 1,00            |
| 18           | Raspberry Pi4 T-cobbles    | connector for breadboard      | 3         | 1 | unikits              | <a href="http://bol.com">bol.com</a>           | each            | € | 6,29  | € | 6,29            |
| <b>Total</b> |                            |                               | <b>35</b> |   |                      |  |                 |   |       |   | <b>€ 311,03</b> |