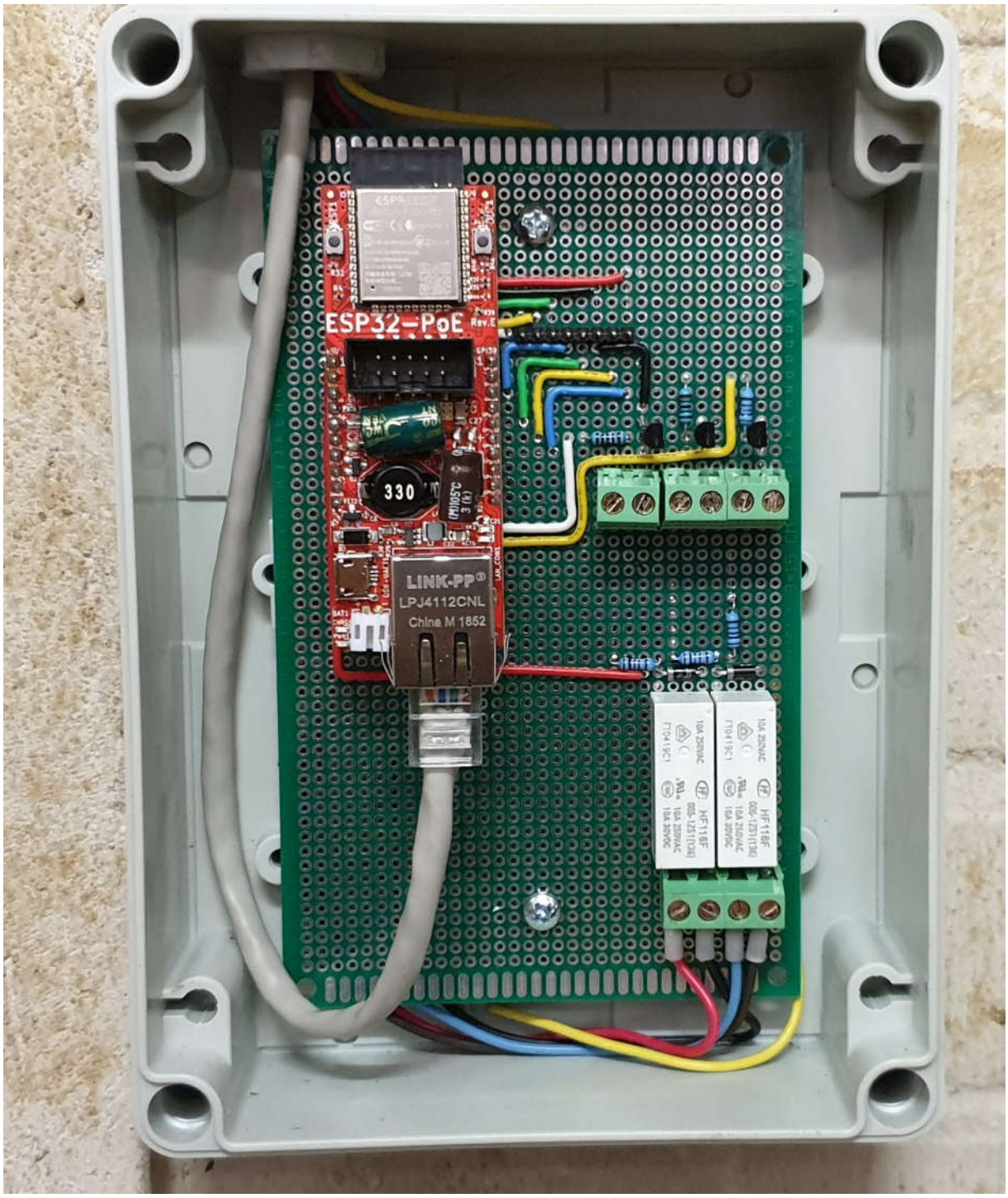
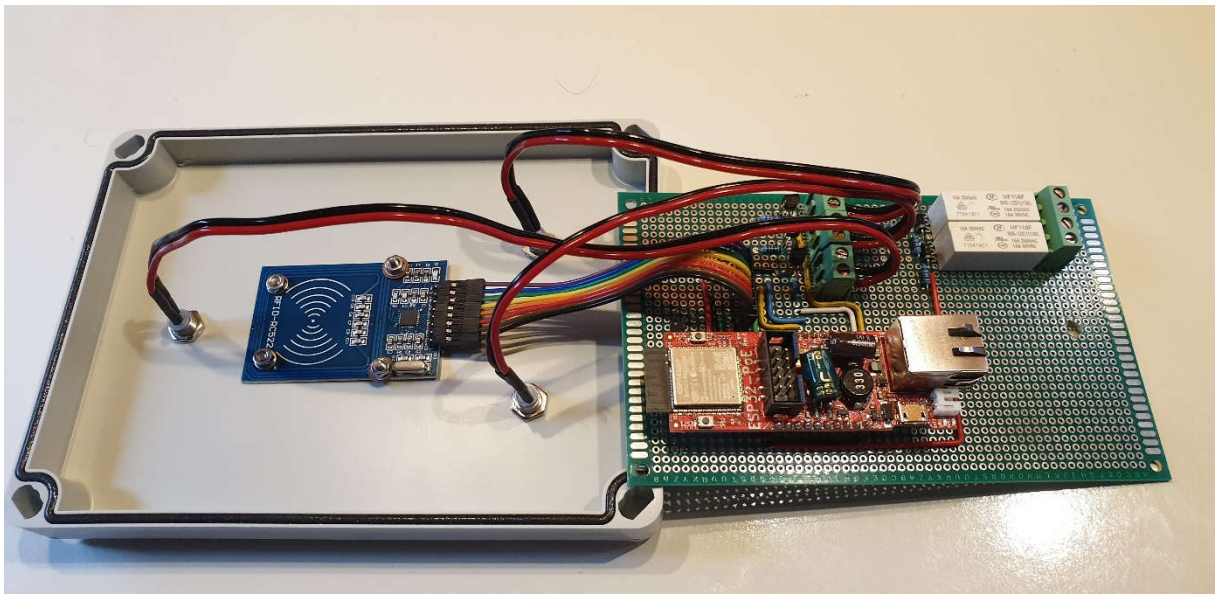
MetalNode MakerSpace Leiden

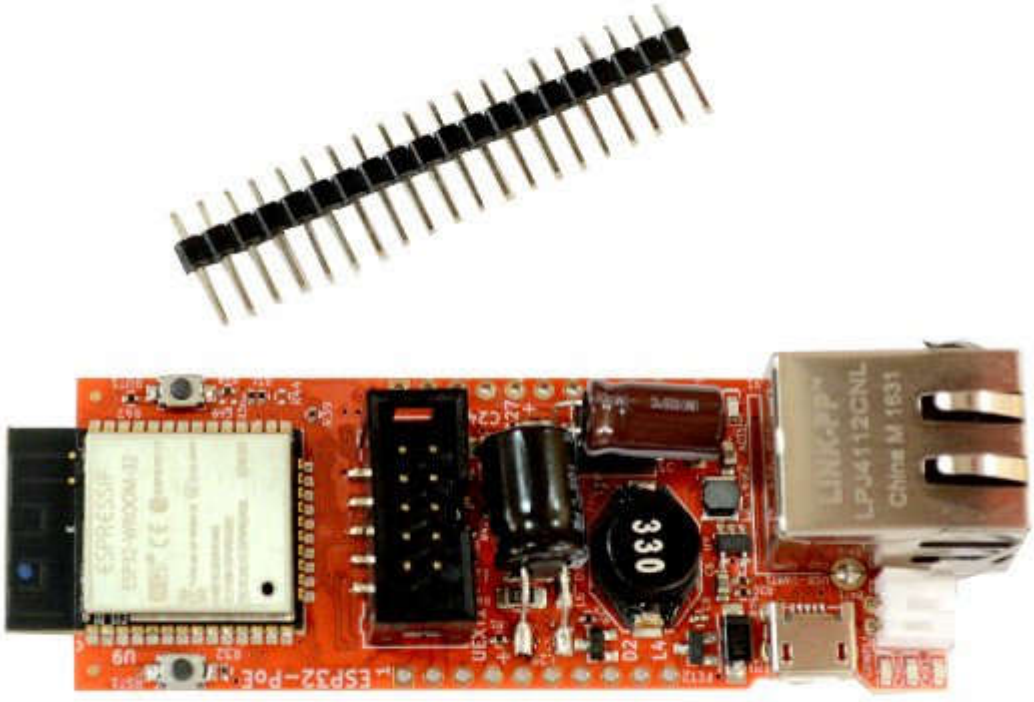




Components used:

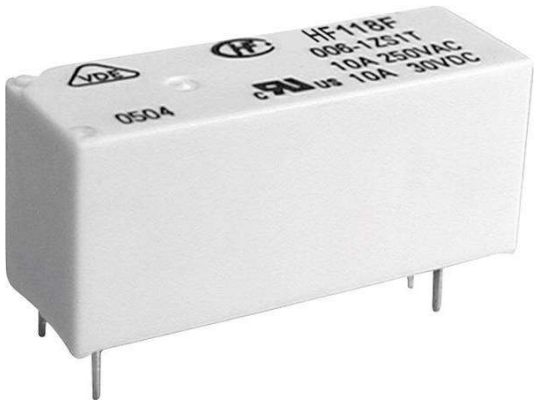
1x EsP32-PoE:

https://www.olimex.com/Products/IoT/ESP32/ESP32-POE/open-source-hardware

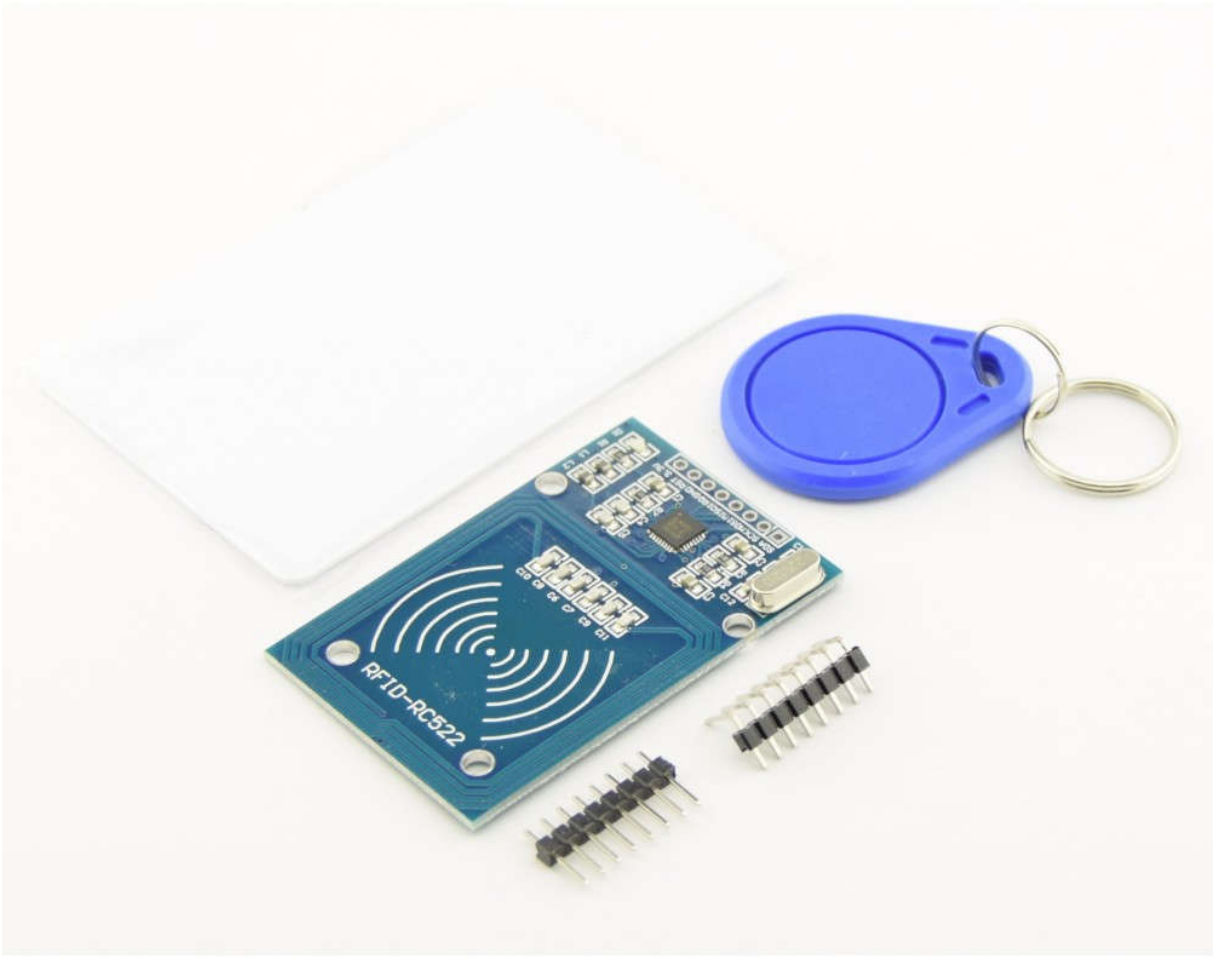


2x Hongfa HF118F/005-1ZS1(136) Printrelais 5 V/DC 8 A 1x wisselcontact 1 stuk(s):

https://www.conrad.nl/p/hongfa-hf118f005-1zs1136-printrelais-5-vdc-8-a-1x-wisselcontact-1-stuks-629540



1x RFID KIT MFRC522 S50 Mifare:
https://www.tinytronics.nl/shop/nl/communicatie/rfid/rfid-kit-mfrc522-s50-mifare-met-kaart-en-key-tag



3x Diotec Transistor (BJT) - discreet BC547C TO-92-3 Aantal kanalen 1 NPN:
https://www.conrad.nl/p/diotec-transistor-bjt-discreet-bc547c-to-92-3-aantal-kanalen-1-npn-140539?searchTerm=140539&searchType=suggest&searchSuggest=product

2x Diode 1N4007:
https://www.tinytronics.nl/shop/nl/componenten/diode/diode-1n4007

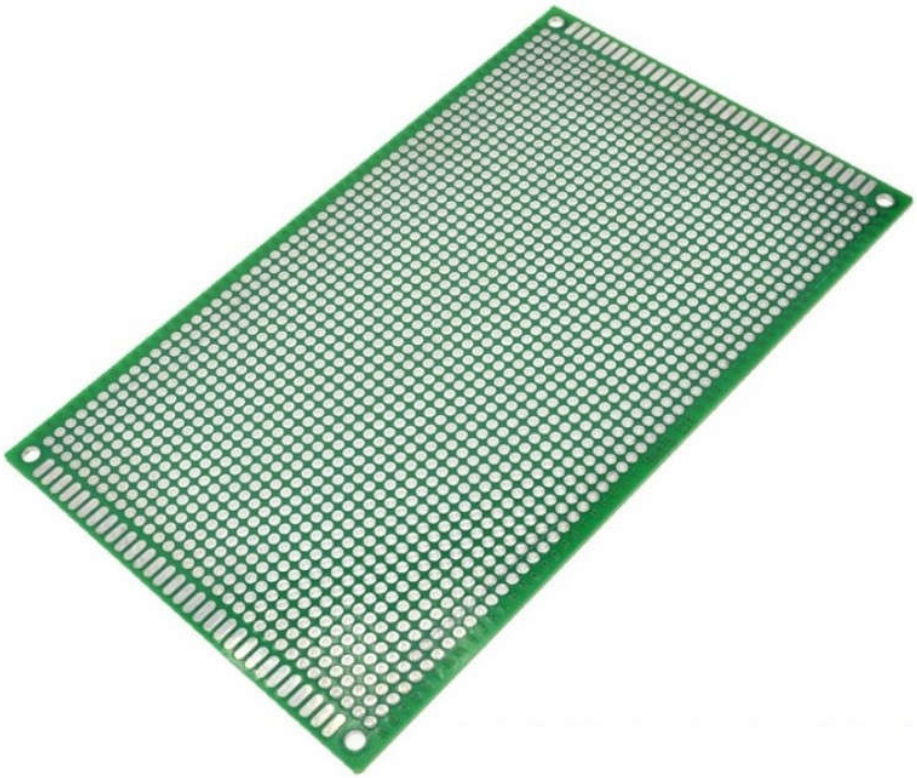
6x 1KΩ weerstand:
https://www.tinytronics.nl/shop/nl/componenten/weerstanden/1k%CF%89-weerstand

2x Rode LED - 5mm Diffuus:
https://www.tinytronics.nl/shop/nl/verlichting/led-los/rode-led-5mm-diffuus

1x Groene LED - 5mm Diffuus:
https://www.tinytronics.nl/shop/nl/verlichting/led-los/groene-led-5mm-diffuus

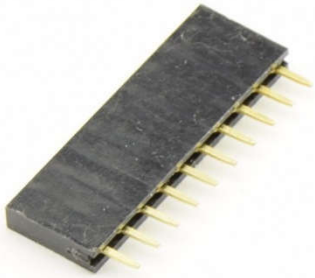
3x 5mm LED Houder – Metaal:
https://www.tinytronics.nl/shop/nl/verlichting/accessoires/5mm-led-houder-metaal

1x Experimenteer-printplaat 9cm*15cm – Dubbelzijdig:
https://www.tinytronics.nl/shop/nl/prototyping/printplaten/experimenteer-printplaat-9cm*15cm-dubbelzijdig



5x 2 Pin Schroef Terminal Block Connector 5.08mm Afstand:
https://www.tinytronics.nl/shop/nl/connectoren/schroef-terminal/2-pin-schroef-terminal-block-connector-5.08mm-afstand

2x 10 Pins header Female:
https://www.tinytronics.nl/shop/nl/connectoren/10-pins-header-female



1x DuPont Jumper draad Female-Female 10cm 10 draden:
https://www.tinytronics.nl/shop/nl/kabels/prototype-draden/dupont-jumper-draad-female-female-10cm-10-draden

1x Spelsberg TK PS 1813-6F-M Installatiebehuizing 130 x 180 x 63 Polycarbonaat Lichtgrijs:
https://www.conrad.nl/p/spelsberg-tk-ps-1813-6f-m-installatiebehuizing-130-x-180-x-63-polycarbonaat-lichtgrijs-1-stuks-1387570?searchTerm=1387570&searchType=suggest&searchSuggest=product