Backplane assemblage lijst

# Top\_layer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| locatie | Naam | component | Mount | aantal | Fabrikant | leverancier | Ordercode |
| R1 | 10kohm THT weerstand | MBB02070C1002FC100 | THT | 1 | Vishay | Farnell | 2614371 |
| R2 | 220ohm THT weerstand | MRS25000C2200FCT00 | THT | 1 | Vishay | Farnell | 9466045 |
| Q1 | P-Channel MOSFET | FQP27P06 | THT | 1 | ON SEMICONDUCTOR | Farnell | 9846530 |
| Q2 | Bipolar (BJT) Single Transistor, NPN | 2N3904BU | THT | 1 | ON SEMICONDUCTOR | Farnell | 1700648 |
| CN2 | 5pin jst connector header | B5B-XH-A (LF)(SN) | THT | 1 | JST | Farnell | 1516281 |
| P18 | 28P 2x14 Pin receptacle recht | SSW-114-01-T-D | THT | 1 | SAMTEC | Farnell | 1804849 |
| F1 | Fuse Holder 5x20 | HTC-15M | THT | 1 | Eaton | Farnell | 2550632 |
| F2 | Fuse SMD0603 2A 32V | SF-0603S200-2 | SMD0603 | 1 | Bourns | Farnell | 1652142 |
| N01 | fuse 12A 35V | 0215012.MXP |  | 1 | Littelfuse | Farnell | 1354618 |

Note 1: N01 moet geplaatst worden in F1.

Note 2: Q1 moet om gekeerd gesoldeerd worden ( Source moet aan Vcc en Drain aan Vsw)

# Bottom\_layer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| locatie | Naam | component | Mount | aantal | Fabrikant | leverancier | Ordercode |
| CN1 | XT30 Female | XT30 Female | THT | 1 | Reely | Conrad | 1460540 |

Note: CN1 soldeer contacten moeten iets naar elkaar geknepen worden met een tank tot ze in de pcb passen.

# Benodigdheden voor verbindingen met PCB

## Power 30V

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Locatie | Naam | Component | Fabrikant | Leverancier | Ordercode |
| CN1 | XT30 Male | XT30 Male | Reely | Conrad | 1460539 |

## Power 5V

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Locatie | Naam | Component | Fabrikant | Leverancier | Ordercode |
| CN2 | 5pin jst connector receptacle | XHP-5 | JST | Farnell | 1516268 |

Note: Alle JST connectoren receptacle gebruiken Crimp contact BXH connectoren van Farnell (ordercode: 1516301)