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| --- | --- | --- | --- | --- | --- |
| Code | Component | Code | Component | Code | Component |
| R1 | 10K 0805 |  |  |  |  |
| R2 | 10K 0805 |  |  |  |  |
| R3 | 10K 0805 |  |  |  |  |
| R4 | 10K 0805 |  |  |  |  |
| R5 | 10K 0805 |  |  |  |  |
| R6 | 10K 0805 |  |  |  |  |
| R7 | 10K 0805 |  |  |  |  |
| R8 | 10K 0805 |  |  |  |  |
| R9 |  |  |  |  |  |
| R10 | 10K 0805 |  |  |  |  |
| R11 |  |  |  |  |  |
| R12 |  |  |  |  |  |
| R13 |  |  |  |  |  |
| R14 |  |  |  |  |  |
| R15 |  |  |  |  |  |
| R16 |  |  |  |  |  |
| R17 |  |  |  |  |  |
| R18 |  |  |  |  |  |
| R19 |  |  |  |  |  |
| R20 |  |  |  |  |  |
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Raspberry PI I/O expander component list

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Code | Component | Code | Component | Code | Component |
| R1 | **10K 0805** | R27 | 10Ω 0805 | S1 | Tact Switch |
| R2 | **10K 0805** | R28 | 10Ω 0805 | S2 | Tact Switch |
| R3 | **10K 0805** | R29 | 10Ω 0805 | S3 | Tact Switch |
| R4 | **10K 0805** | R30 | 22Ω 0805 | S4 | Tact Switch |
| R5 | **10K 0805** | R31 | 22Ω 0805 | S5 | Tact Switch |
| R6 | **10K 0805** | R32 | RGB led 0805 | S6 | Tact Switch |
| R7 | **10K 0805** | R33 | RGB led 0805 | S7 | Tact Switch |
| R8 | **10K 0805** | R34 | RGB led 0805 | S8 | Tact Switch |
| R9 | **?(voor LED) 0805** | R35 | 7-segmentled | S17 | Tact Switch |
| R10 | **10K 0805** | R36 | 7-segmentled | LED1 | Green LED 0603 |
| R11 | **3.3K 0805** | R37 | 7-segmentled | LED2 | Green LED 0603 |
| R12 | **3.3K 0805** | R38 | 7-segmentled | LED3 | Green LED 0603 |
| R13 | **?(voor LED) 0805** | R39 | 7-segmentled | LED4 | Green LED 0603 |
| R14 | **?(voor LED) 0805** | R40 | 7-segmentled | LED5 | Green LED 0603 |
| R15 | **?(voor LED) 0805** | R41 | 7-segmentled | LED6 | Green LED 0603 |
| R16 | **?(voor LED) 0805** | R42 | 7-segmentled | LED7 | Green LED 0603 |
| R17 | **?(voor LED) 0805** | C1 | 100nF 0805 | LED8 | Green LED 0603 |
| R18 | **?(voor LED) 0805** | C2 | 100nF 0805 | LED18 | Green LED 0603 |
| R19 | **?(voor LED) 0805** | C3 | 100nF 0805 | LED9 | RGB led 5mm |
| R20 | **?(voor LED) 0805** | C4 | 100nF 0805 | PI-GPIO | Header 2x20 |
| R21 | **10Ω 0805** | U1 | PCF8574AT | J\_BT | Header 1x4 |
| R22 | **10Ω 0805** | U2 | PCF8574AT |  |  |
| R23 | **10Ω 0805** | U3 | PCF8574AT |  |  |
| R24 | **10Ω 0805** | D1 | 13mm 7-segment |  |  |
| R25 | **10Ω 0805** | Serial Expander | Header 2x4 |  |  |
| R26 | **10Ω 0805** | Expander | Header 2x7 |  |  |