

A

A

B

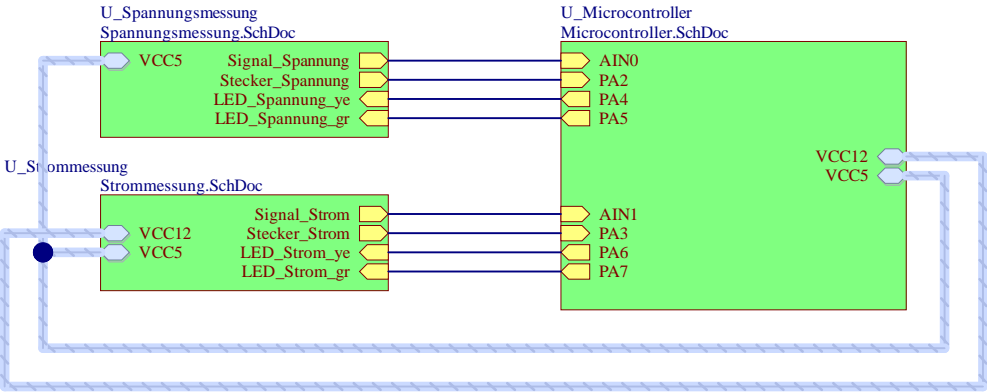
B

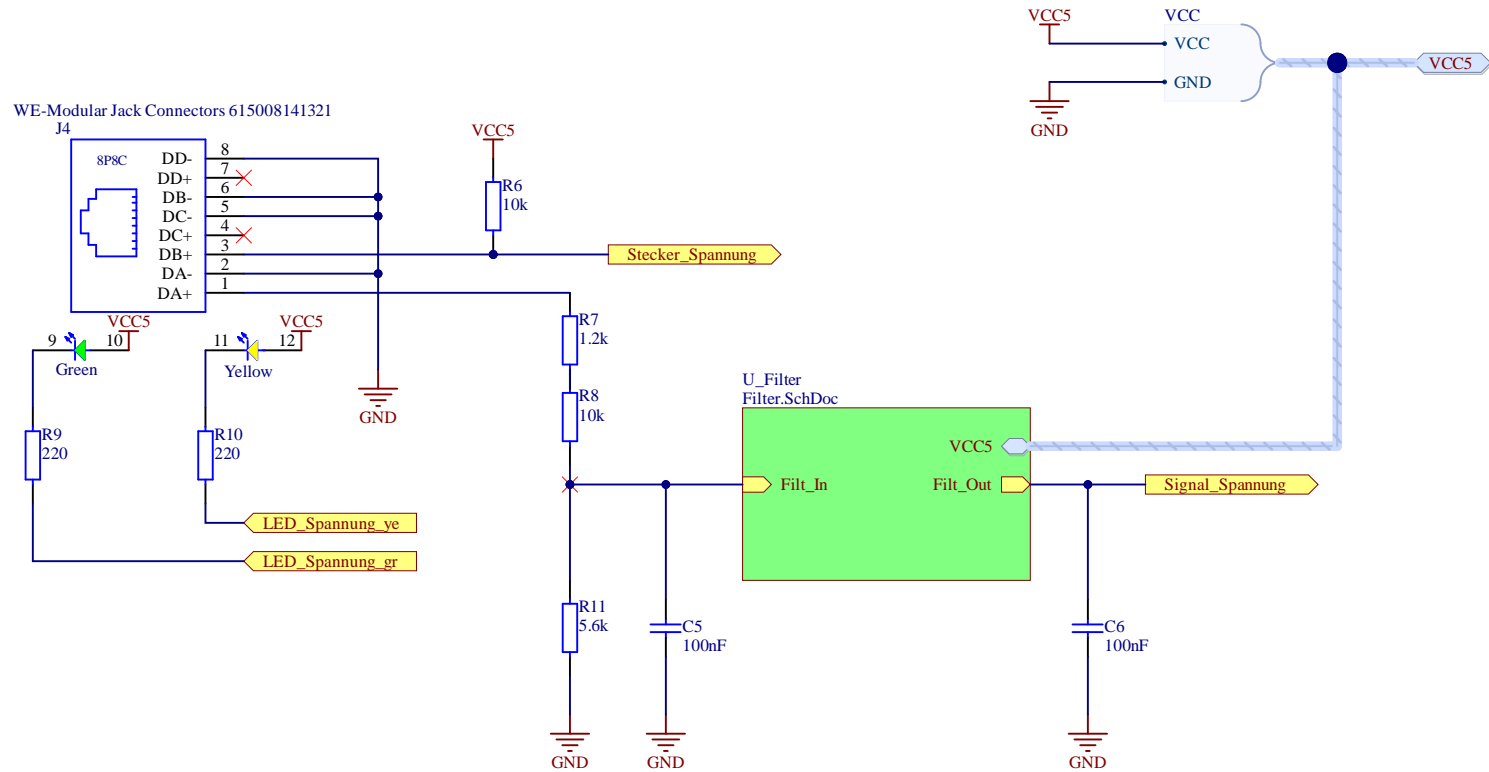
C

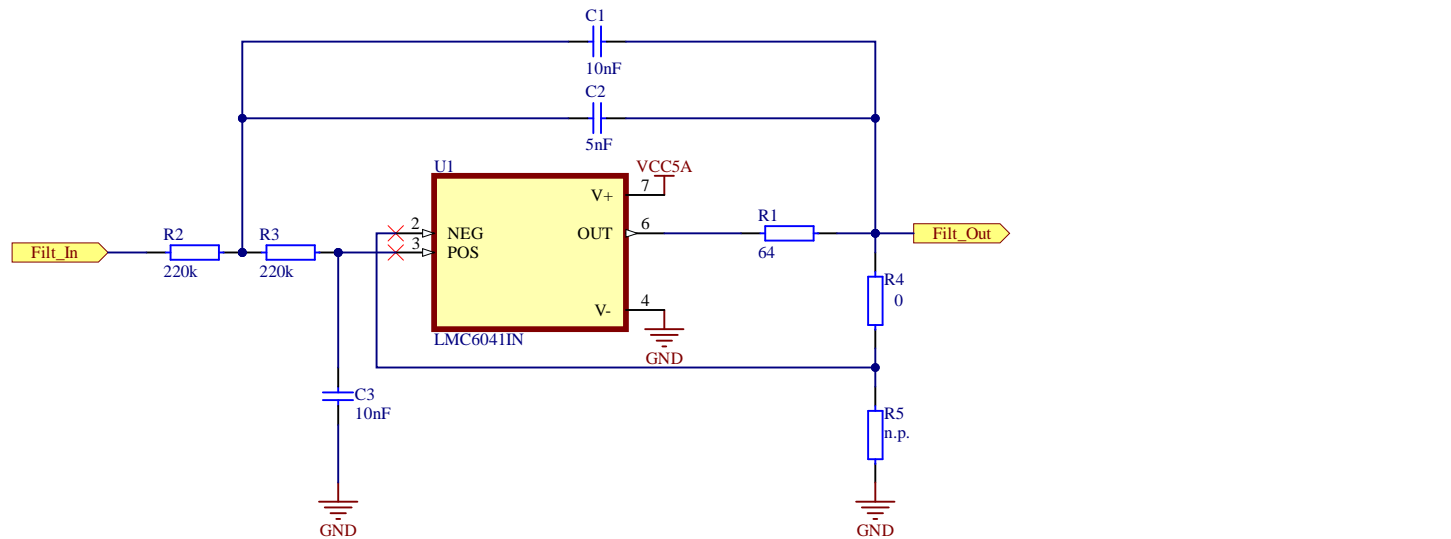
C

D

D



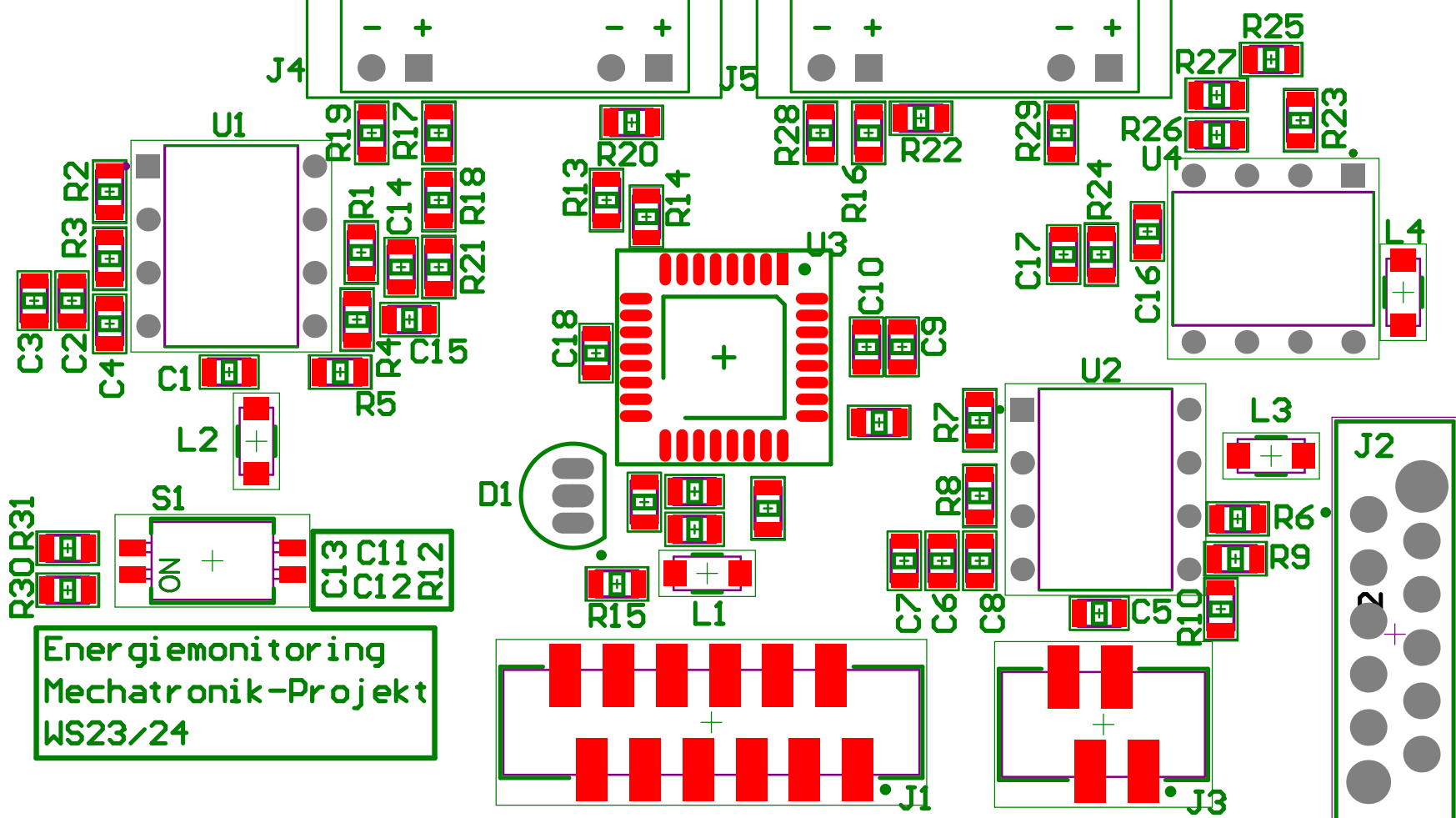








Energiemonitoring  
Mechatronik-Projekt  
WS23/24



# Component list

Bill of Materials for Project [Energiemonitoring.PrjPcb] (No PCB Document Selected)

Source Data From:  
Project:  
Variant:

Energiemonitoring.PrjPcb  
Energiemonitoring.PrjPcb  
None



Report Date: 24.01.2024 16:04  
Print Date: 24-Jan-24 4:04:49 PM

| #  | Value | Designator                             | Description                   | Footprint              | #Column Name Error:' Bezeichnung | #Column Name Error:' Hersteller | Supplier Part Number 1 | Quantity |
|----|-------|--|-------------------------------|------------------------|----------------------------------|---------------------------------|------------------------|----------|
| 1  | 100nF | C1, C5, C10, C11, C14, C15, C16, C17,  | Kondensator                   | SMD-0805               |                                  |                                 |                        | 9        |
| 2  | 10nF  | C2, C4, C6, C8, C13                    | Kondensator                   | SMD-0805               |                                  |                                 |                        | 5        |
| 3  | 5nF   | C3, C7                                 | Kondensator                   | SMD-0805               |                                  |                                 |                        | 2        |
| 4  | 10uF  | C9, C12                                | Kondensator                   | SMD-0805               |                                  |                                 |                        | 2        |
| 5  | 2.5V  | D1                                     | • ±20 mV (±0.8%) max. Initial | TO92-3                 |                                  |                                 | LM285BXZ-2.5/NOPB-ND   | 1        |
| 6  |       | J1                                     | WR-MM Mini Module             | 6,90367E+11            |                                  |                                 |                        | 1        |
| 7  |       | J2                                     | WR-WST REDFIT IDC SKEDD,      | 490107671012_Permanent |                                  |                                 |                        | 1        |
| 8  |       | J3                                     | WR-MM Mini Module             | 6,90367E+11            |                                  |                                 |                        | 1        |
| 9  |       | J4, J5                                 | WR-COM Modular Jack           | 6,15008E+11            |                                  |                                 |                        | 2        |
| 10 |       | L1, L2, L3, L4                         | WE-ML SMT Multilayer          | WE-ML_1206             |                                  |                                 |                        | 4        |
| 11 |       | 64 R1, R6                              | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 2        |
| 12 | 220k  | R2, R3, R7, R8, R23, R24, R26, R27     | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 8        |
| 13 |       | 0 R4, R9                               | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 2        |
| 14 | n.p.  | R5, R10                                | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 2        |
| 15 | 100k  | R11                                    | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 1        |
| 16 | 10k   | R12, R13, R14, R16, R18, R22, R30, R31 | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 8        |
| 17 | 200k  | R15                                    | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 1        |
| 18 | 1.2k  | R17                                    | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 1        |
| 19 |       | 220 R19, R20, R28, R29                 | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 4        |
| 20 | 5.6k  | R21                                    | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 1        |
| 21 |       | 100 R25                                | Widerstand                    | R-SMD-0805             |                                  |                                 |                        | 1        |
| 22 |       | S1                                     | WS-DISV Small Compact SMD     | 4,16131E+11            |                                  |                                 |                        | 1        |
| 23 |       | U1, U2, U4                             | CMOS Single Micropow er       | DIP794W45P254L959H508Q |                                  |                                 |                        | 3        |
| 24 |       | U3                                     | The ATmega808                 | 32-Pin TQFP            |                                  |                                 | 150-ATMEGA808-AURCT-ND | 1        |

|          |       |    |
|----------|-------|----|
| Approved | Notes | 64 |
|          |       |    |