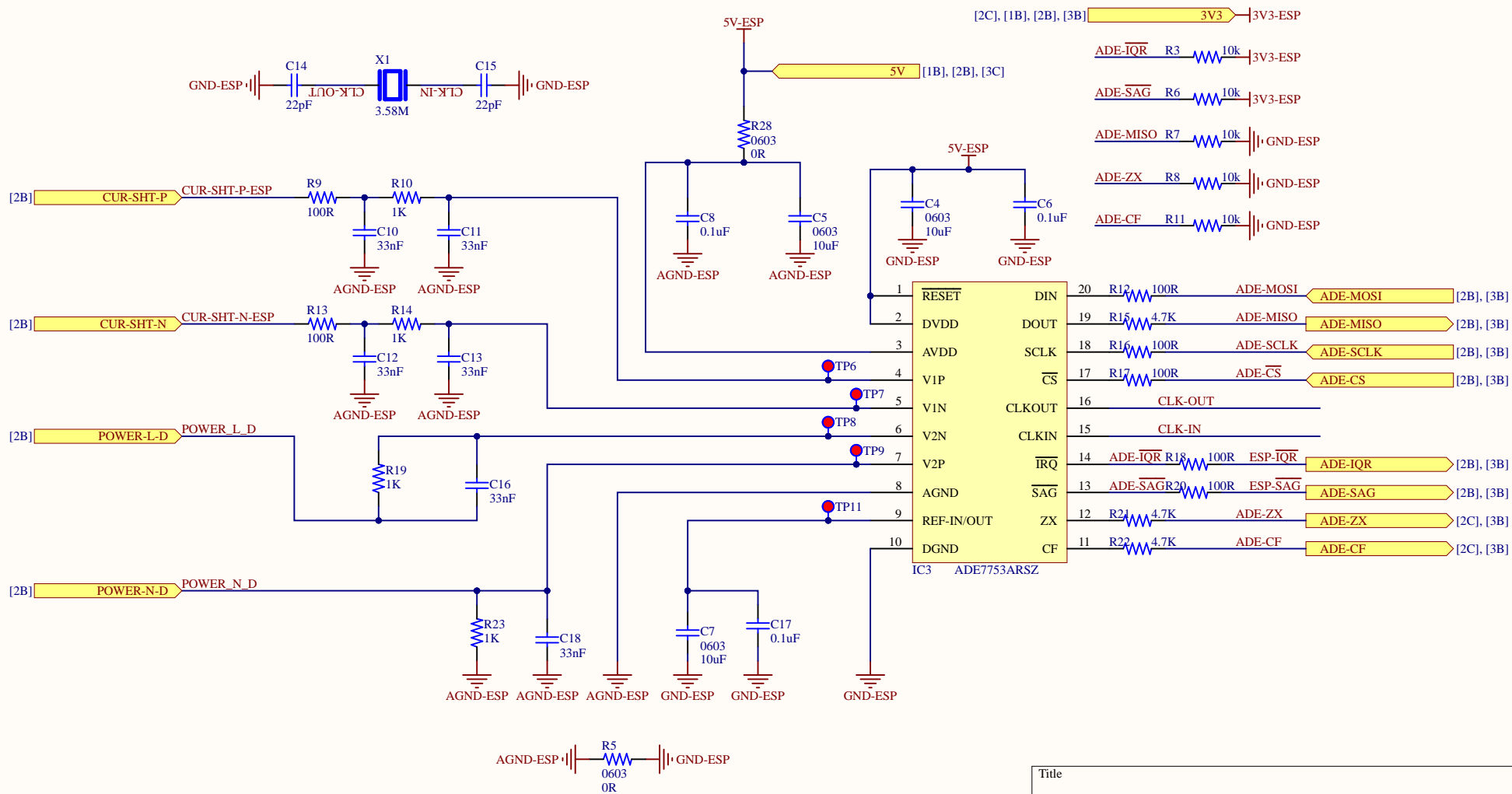
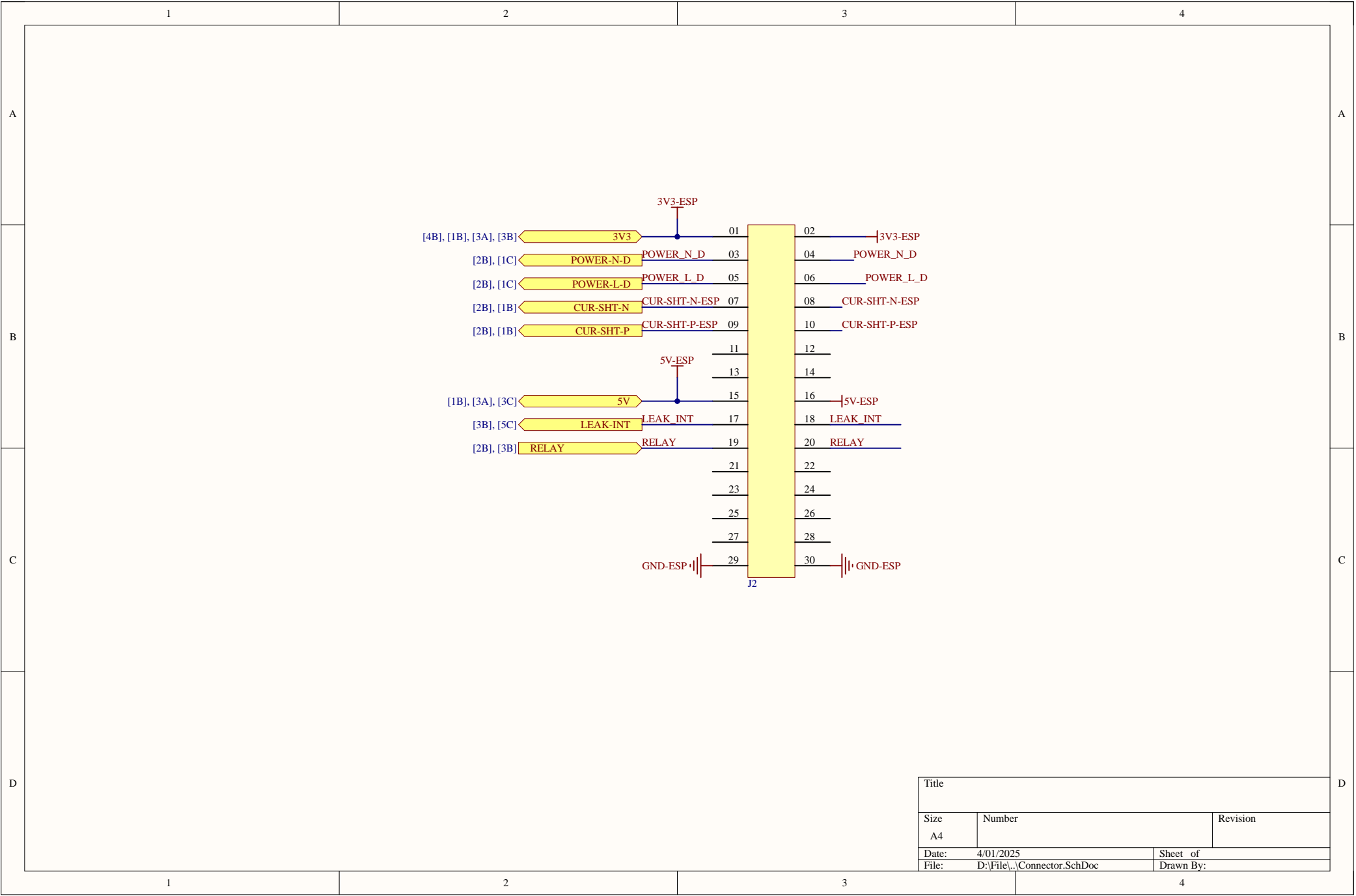
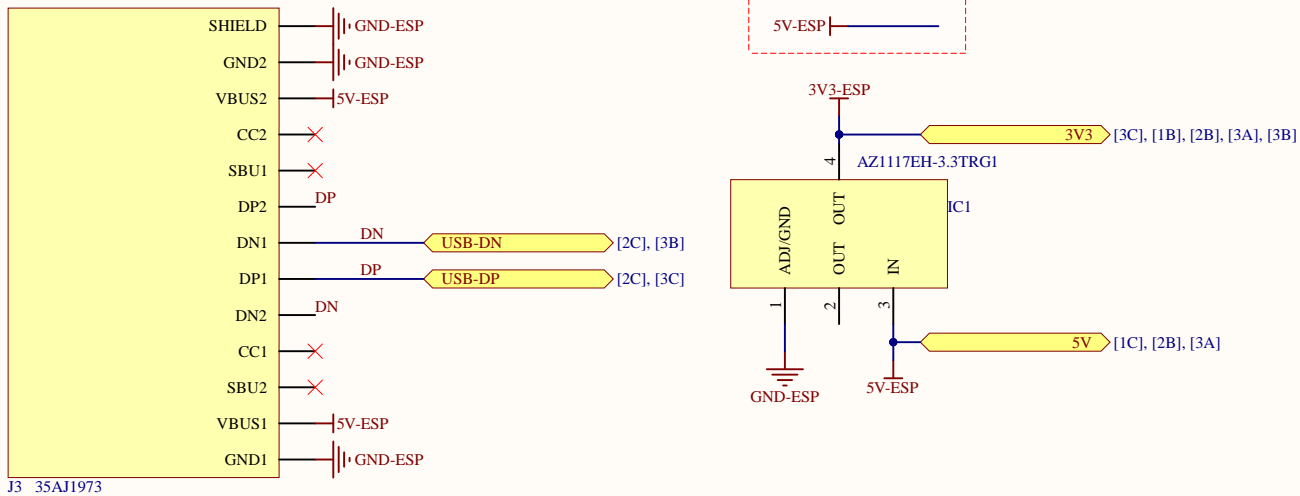


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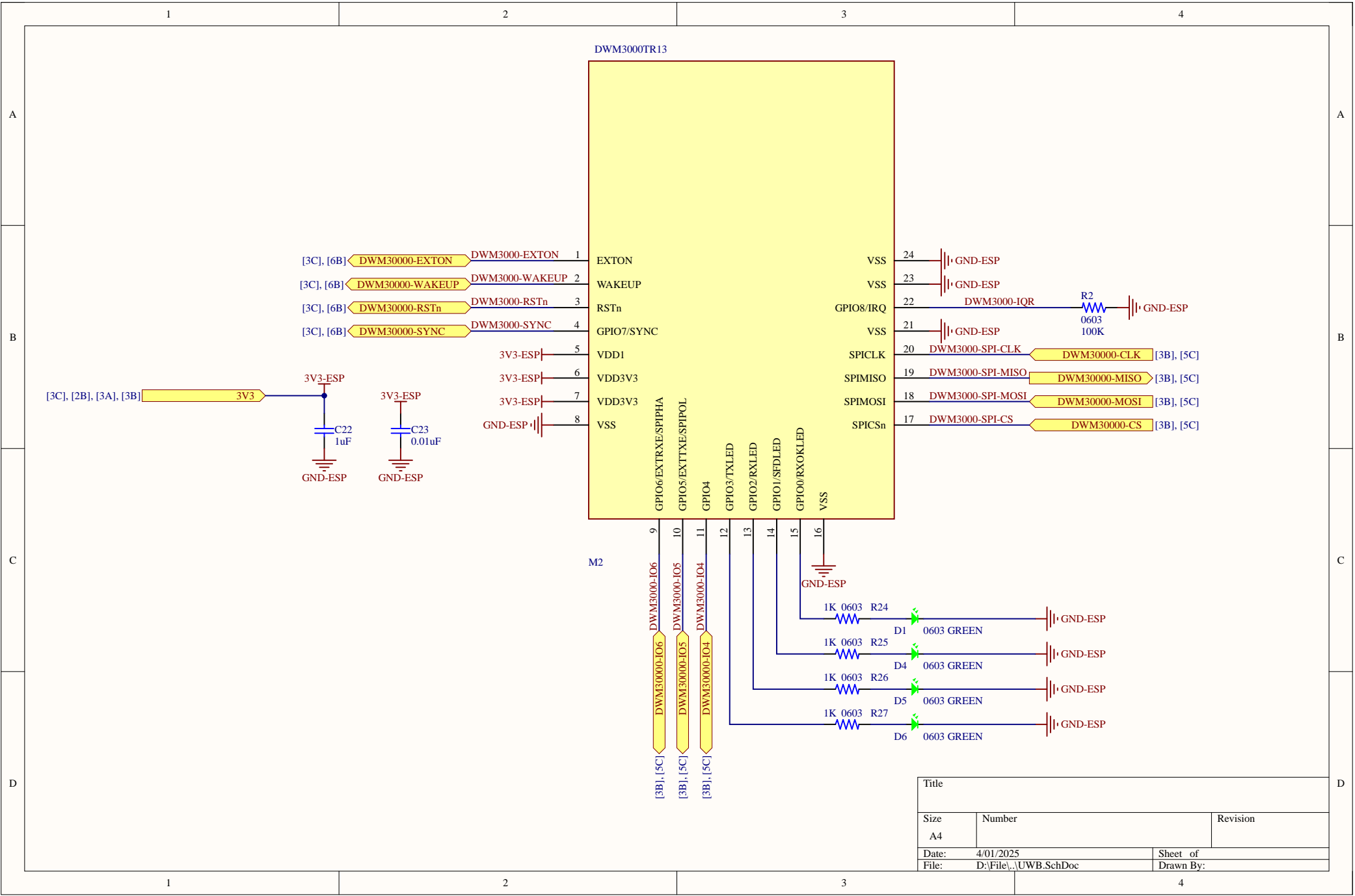


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| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---|--|--|---|--|----------|
| 0.1µF±10%/10V Ceramic Capacitor XFR0603 (1608 Metric) | Multilayer Ceramic Capacitor, 0.1 µF, 10 V, ±10%, XFR, 0603 [1608 Metric] | C1, C23 | SMD-CAP-0603- VAGEO | CAP: 0.1µF; 10V; 0603; SMD; 020603KFR07RBB104 | 2 |
| 10000PF±10%/16V Ceramic Capacitor XFR0603 (1608 Metric) | Multilayer Ceramic Capacitor, 0.01 µF, 16 V, ±10%, XFR, 0603 [1608 Metric] | C2, C21 | SMD-CAP-0603- VAGEO | CAP: 0.01µF; 16V; 0603; SMD; 020603KFR07RBB103 | 2 |
| 1µF±10%/16V Ceramic Capacitor XFR0603 (1608 Metric) | 0603 1µF 16V±10% Tolerance XFRSMT Multilayer Ceramic Capacitor | C3, C22 | SMD-CAP-0603- VAGEO | CAP: 1µF; 16V; 0603; SMD; 020603KFR07RBB105 | 2 |
| 10µF±20%/25V Ceramic Capacitor XFR0603 (1608 Metric) | Multilayer Ceramic Capacitor, 10 µF, 25 V, 1/2, 20%, XFR, 0603 [1608 Metric] | C4, C5, C7 | SMD-CAP-0603- VAGEO | CAP: 10µF; 25V; SMD; 0603; 020603MR06RBB106 | 3 |
| 0.1µF±10%/16V Ceramic Capacitor XFR0603 (1608 Metric) | 0603 0.1µF 16V±10% Tolerance XFRSMT Multilayer Ceramic Capacitor | C6, C8, C17 | SMD-CAP-0603- VAGEO | CAP: 0.1µF; 16V; 0603; SMD; 020603KFR07RBB104 | 3 |
| 0.033µF±5%/16V Ceramic Capacitor XFR0603 (1608 Metric) | Multilayer Ceramic Capacitors MLCC- SMD SMT 16V 0.033µF XFR0603 5% | C10, C11, C12, C13, C16, C18 | SMD-CAP-0603- KEMET | CAP: 0.033µF; 33nF; 0603; 16V; 06030333JRECE2411 | 6 |
| 22pF±1%/50V Ceramic Capacitor C03, NFR0603 (1608 Metric) | Multilayer Ceramic Capacitor, 22pF, 50 V, 1/2, 1%, C03(NFR), 0603 [1608 Metric] | C14, C15 | SMD-CAP-0603- VAGEO | CAP: 22pF; 50V; SMD; 020603FRNFC06K226 | 2 |
| 0603 GREEN | 225mcd-650mcd Colorless Transparent Lens - 4µC-+50°C Positive Stick-Solder-535mm Green 120° 70mW 2.4V-3V 0603 LED Indication - Discrete R04S | D1, D2, D3, D4, D6, D8 | LED0603_GREEN | L0603_GREEN | 6 |
| Linear Voltage Regulator IC Positive Fixed 1 Output 1A SOT- 223-3 | Linear Voltage Regulator IC 1 Output 1A SOT-223 | IC1 | SOT-223-3-D1 | LDQ: 3V/3; 1A; SMD; AZ1117B-1.33TRG1 | 1 |
| Single Phase Meter IC 20-SSOP | Single Phase Multifunction Metering IC 20-Pin SSOP Tube | IC3 | SSOP-20-ADI | ADE7753ARSZ | 1 |
| HEADER, 15x2PIN; 2.54; HOR | USB (USB TYPEC) USB 2.0 Receptacle Connector 24 (16+8 Dummy) Position Surface Mount, Right Angle, Through Hole | J2 | HEADER 2.54-15x2- HOR-USD | HEADER: 15x2PIN; 2.54; HOR | 1 |
| 0603 GREEN | USB Connector, 16 Contact(s), Female, Right Angle, Surface Mount Terminal, Locking, Receptacle Flash, pcb ant | J3 | TYPEC-HOR- RECEPTACLE-24PIN- MODULE | Type-C, USB, HOR RECEPTACLE: 24PIN; 2717179-0001 | 1 |
| Bluetooth, VHT 802.11b/g/n Bluetooth v4.2-EDR Transceiver Module 2.4GHz - 2.5GHz PCB Trace Surface Mount | SMD mod, ESP32- S3R8 with 3.3V, 5MB Octal PSRAM die inside, 6MBQWad SPI flash, pcb ant | M1 | MODULE-ESP32-S3- WROOM-1-N16R8 | ESP32-S3-WROOM-1- N16R8; SMD; | 1 |
| 802.15.4, Bluetooth, Cellular UWB, Zigbee Transceiver Module 6.25GHz - 8.25GHz Integrated, Ceramic Patch Surface Mount | RF Modules UWB XCR Module | M2 | MODULE-DWM6000SR | DWM6000TR13 | 1 |
| 10kOhms±1%/0.25W, 1/4W Chip Resistor 0603 (1608 Metric) Automotive AEC- Q200, Pulse Withstanding Thick Film | SMD Chip Resistor, 10 kOhm, ±1%, 250mW/ 0603 [1608 Metric], Thick Film, Anti-Surge | R1, R3, R4, R6, R7, R8, R11 | SMD-RES-0603-SE | RES: 10K; 0603; SMD; ESR03E2PF1002 | 7 |
| 100kOhms±5% 0.25W, 1/4W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200, Pulse Withstanding Thick Film | Res Thick Film 0603 100K Ohm 5% 0.25W(1/4W) ±200ppm/°C Pad SMD Automotive T/R | R2 | SMD-RES-0603-SE | RES: 100K; 0603; SMD; ESR03E2PF1004 | 1 |
| 0 Ohms Jumper Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film | Res Thick 0603 0 Ohm Jumper 1/10W 100Ppm/°C Ind Rehta Compliant, Yes | R5, R28 | SMD-RES-0603-SE | RES: 0R; 0603; SMD; RMC0760320TR00 | 2 |
| 100 Ohms±1%/0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC- Q200, High Voltage Thick Film | Res Thick Film 0603 100 Ohm 1% 0.1W(1/10W) ±100ppm/°C Pad SMD T/R Automotive AEC Q200 | R6, R12, R13, R16, R17, R18, R20 | SMD-RES-0603-RS | RES: 100R; 0603; SMD; KTR03E2PF1000 | 7 |
| 1kOhms±1%/0.25W, 1/4W Chip Resistor 0603 (1608 Metric) Automotive AEC- Q200, Pulse Withstanding Thick Film | SMD Chip Resistor, 1 kOhm, ±1%, 250mW/ 0603 [1608 Metric], Thick Film, Anti-Surge | R20, R14, R19, R23, R24, R25, R26, R27, R29, R30 | SMD-RES-0603-SE | RES: 1K; 0603; SMD; ESR03E2PF1001 | 10 |
| 4.7kOhms±1%/0.1W 1/10W Chip Resistor 0603 (1608 Metric) Anti-Sulfur Thick Film | Res Anti-Sulfured Thick Film 0603 4.7k Ohm 1% 1/10W ±100ppm/°C Molded Paper T/R | R15, R21, R22 | SMD-RES-0603-RS | RES: 4.7K; 0603; SMD; SFR03E2PF4701 | 3 |
| https://www.digikey.c om/en/products/detail/panasonic/ electronic- components/EQO- P7LD1P 4429463 | Tactile Switch SPST- NO Side Actuated Surface Mount, Right Angle | SW1 | SW-HLW- 1.1x3.5x2.9-PEC | BUT: SW; SMD; EQO- P7LD1P | 1 |
| Tactile Switch SPST- NO Top Actuated Surface Mount | Switch Tactile N.O. SPST Rectangular Button J-Band 0.05A 12VDC 1.77N SMD T/R | SW3 | SW-HLW- 5.0x6.0x3.5-C&K | BUT: SW; SMD; P73C3636J0.5MTRFS | 1 |
| Test Point | Test Point | TP1, TP2, TP3, TP4, TP6, TP7, TP8, TP9, TP10, TP11, TP12 | TEST_POINT | TEST_POINT | 11 |
| 3.579545MHz ±20ppm Crystal 18pf 180 Ohms HC-49/US | Crystal 3.579545MHz ±20ppm (Tol) ±50ppm (Stability) 18pf FLUXO 180Ohm 2-Pin HC- 49/US SMD T/R | X1 | SMD-HC-49/US-ALLC | CRC: 3.58M; 3.579545M; ABL5 3.579545M±2-B2-T | 1 |