

Power

| Reference | Value | Footprint | Datasheet | Manf#(Manufacturer Reference) |
|-----------|------------------|-------------------------------------|---|-------------------------------|
| Q1 | IPD200N15N3 | Package_TO_SOT_SMD:TO-252-2 | https://www.infineon.com/dgdl/Infineon-IPD200N15N3%20G-DS-v02_07-EN.pdf?fileId=5 | IPD200N15N3GATMA1 |
| Q2 | IPD200N15N3 | Package_TO_SOT_SMD:TO-252-2 | https://www.infineon.com/dgdl/Infineon-IPD200N15N3%20G-DS-v02_07-EN.pdf?fileId=5 | IPD200N15N3GATMA1 |
| R2 | 2,2 | Resistor_SMD:R_0805_2012Metric | ~ | CR0805AF/-2R20EAS |
| R1 | 2,2 | Resistor_SMD:R_0805_2012Metric | ~ | CR0805AF/-2R20EAS |
| R32 | 1k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-071KL |
| Rs1 | R_Small | Resistor_SMD:R_0805_2012Metric | ~ | x |
| Rs2 | R_Small | Resistor_SMD:R_0805_2012Metric | ~ | x |
| Cs2 | C_Small | Capacitor_SMD:C_0805_2012Metric | ~ | x |
| Cs1 | C_Small | Capacitor_SMD:C_0805_2012Metric | ~ | x |
| D_H1 | STTH1002CB | Package_TO_SOT_SMD:TO-252-2 | https://www.st.com/resource/en/datasheet/stth1002c.pdf | STTH1002CB |
| D_L1 | STTH1002CB | Package_TO_SOT_SMD:TO-252-2 | https://www.st.com/resource/en/datasheet/stth1002c.pdf | STTH1002CB |
| U3 | ACS712xLCTR-20A | Package_SO:SOIC-8_3.9x4.9mm_P1.27mm | http://www.allegromicro.com/~media/Files/Datasheets/ACS712-Datasheet.ashx?la=en | ACS712ELCTR-20A-T |
| C2 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C5 | 1nF | Capacitor_SMD:C_0805_2012Metric | ~ | 885382207004 |
| D3 | STPS0520Z | Diode_SMD:D_SOD-123 | https://www.st.com/resource/en/datasheet/stps0520z.pdf | STPS0520Z |
| D2 | STPS0520Z | Diode_SMD:D_SOD-123 | https://www.st.com/resource/en/datasheet/stps0520z.pdf | STPS0520Z |
| C13 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | | 12101C475K4Z2A |
| C11 | 100nF | Capacitor_SMD:C_1210_3225Metric | ~ | 1210PC104KAT1A |
| L2 | 47uH | Footprints:WE-HCF-2013 | https://www.we-online.com/catalog/datasheet/7443634700.pdf | 7443634700 |
| C24 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C22 | 1nF | Capacitor_SMD:C_0805_2012Metric | ~ | 885382207004 |
| L1 | 47uH | Footprints:WE-HCF-2013 | https://www.we-online.com/catalog/datasheet/7443634700.pdf | 7443634700 |
| R4 | 0 | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-070RL |
| R3 | 0 | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-070RL |
| C1 | 1nF | Capacitor_SMD:C_0805_2012Metric | ~ | 885382207004 |
| U4 | ACS730xLCTR-20AB | Package_SO:SOIC-8_3.9x4.9mm_P1.27mm | http://www.allegromicro.com/~media/Files/Datasheets/ACS730-Datasheet.ashx?la=en | ACS730KLCTR-20AB-T |
| Rv1 | 150K | Resistor_SMD:R_0805_2012Metric | ~ | PCF-W0805LF-03-1503-B-P-LT |
| Rv3 | 150K | Resistor_SMD:R_0805_2012Metric | ~ | PCF-W0805LF-03-1503-B-P-LT |
| Rv4 | 470 | Resistor_SMD:R_0805_2012Metric | ~ | TNPW0805470RDEEA |
| Rv2 | 470 | Resistor_SMD:R_0805_2012Metric | ~ | TNPW0805470RDEEA |
| Rv6 | 5.6K | Resistor_SMD:R_0805_2012Metric | | ERA-6AEB562V |
| Rv5 | 330K | Resistor_SMD:R_0805_2012Metric | ~ | RG2012P-334-B-T5 |
| R33 | 0 | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-070RL |
| R35 | 1k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-071KL |
| C12 | 100nF | Capacitor_SMD:C_1210_3225Metric | ~ | 1210PC104KAT1A |
| D4 | STPS0520Z | Diode_SMD:D_SOD-123 | https://www.st.com/resource/en/datasheet/stps0520z.pdf | STPS0520Z |
| D_L2 | STTH1002CB | Package_TO_SOT_SMD:TO-252-2 | https://www.st.com/resource/en/datasheet/stth1002c.pdf | STTH1002CB |
| D_H2 | STTH1002CB | Package_TO_SOT_SMD:TO-252-2 | https://www.st.com/resource/en/datasheet/stth1002c.pdf | STTH1002CB |
| Cs3 | C_Small | Capacitor_SMD:C_0805_2012Metric | ~ | x |
| Cs4 | C_Small | Capacitor_SMD:C_0805_2012Metric | ~ | x |
| Rs4 | R_Small | Resistor_SMD:R_0805_2012Metric | ~ | x |
| Rs3 | R_Small | Resistor_SMD:R_0805_2012Metric | ~ | x |
| R5 | 2,2 | Resistor_SMD:R_0805_2012Metric | ~ | CR0805AF/-2R20EAS |
| Q5 | IPD200N15N3 | Package_TO_SOT_SMD:TO-252-2 | https://www.infineon.com/dgdl/Infineon-IPD200N15N3%20G-DS-v02_07-EN.pdf?fileId=5 | IPD200N15N3GATMA1 |
| Q4 | IPD200N15N3 | Package_TO_SOT_SMD:TO-252-2 | https://www.infineon.com/dgdl/Infineon-IPD200N15N3%20G-DS-v02_07-EN.pdf?fileId=5 | IPD200N15N3GATMA1 |
| J1 | 2604-1102 | Footprints:WAGO-2604-1102 | https://www.wago.com/fr/connexion-de-circuits-imprim%C3%A9s/borne-pour-circuits-imprim%C3%A9s | 2604-1102 |
| J4 | 2604-1102 | Footprints:WAGO-2604-1102 | https://www.wago.com/fr/connexion-de-circuits-imprim%C3%A9s/borne-pour-circuits-imprim%C3%A9s | 2604-1102 |
| Rbleed1 | 1M | Resistor_SMD:R_0805_2012Metric | ~ | CMP0805-FX-1004ELF |
| Rbleed2 | 1M | Resistor_SMD:R_0805_2012Metric | ~ | CMP0805-FX-1004ELF |
| R6 | 2,2 | Resistor_SMD:R_0805_2012Metric | ~ | CR0805AF/-2R20EAS |
| R36 | 1k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-071KL |
| D5 | STPS0520Z | Diode_SMD:D_SOD-123 | https://www.st.com/resource/en/datasheet/stps0520z.pdf | STPS0520Z |

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| R34 | 0 | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-070RL |
| C15 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C17 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C19 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C21 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C25 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C14 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C16 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C18 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C20 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C23 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C26 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C7 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C9 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C6 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C8 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C10 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| C3 | 4.7uF | Capacitor_SMD:C_1210_3225Metric | ~ | 12101C475K4Z2A |
| U1 | ACS730xLCTR-20AB | Package_SO:SOIC-8_3.9x4.9mm_P1.27mm | http://www.allegromicro.com/~media/Files/Datasheets/ACS730-Datasheet.ashx?la=en | ACS730KLCTR-20AB-T |
| R31 | 1k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-071KL |
| HS1 | Heatsink_Pad | Footprints:custom_heatsink | ~ | x |
| JP1 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP3 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP4 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| J6 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J7 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J8 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J20 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J21 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J23 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J22 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J24 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J25 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J26 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J9 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J10 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J11 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J12 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J13 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J14 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J15 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J16 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J17 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J18 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J19 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J31 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J29 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| J28 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-1 | 0906-0-15-20-76-14-11-0 |
| JP5 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP2 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP6 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| U6 | AMC1100DUB | Footprints:SOP-8_6.62x9.15mm_P2.54mm | https://www.ti.com/lit/ds/symlink/amc1100.pdf?ts=1622519237932&ref_url=https%253A%252F%2Fwww.ti.com%2Fproduct%2Famc1100 | AMC1100DUB |
| U7 | AMC1100DUB | Footprints:SOP-8_6.62x9.15mm_P2.54mm | https://www.ti.com/lit/ds/symlink/amc1100.pdf?ts=1622519237932&ref_url=https%253A%252F%2Fwww.ti.com%2Fproduct%2Famc1100 | AMC1100DUB |

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|-----|-------------------|--------------------------------------|---|-------------------------|
| R11 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| R12 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| U10 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| R15 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| R18 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| R7 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| R8 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| U8 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| R13 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| R16 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| C35 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| R9 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| R10 | 27k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0727KL |
| U9 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| R14 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| R17 | 12k | Resistor_SMD:R_0805_2012Metric | ~ | RC0805FR-0712KL |
| C29 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C27 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C36 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C37 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| J32 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| U11 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| U13 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| R24 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| R20 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| R22 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| R28 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| R29 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| R30 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| U12 | OPA316 | Package_TO_SOT_SMD:SOT-353_SC-70-5 | https://www.ti.com/lit/ds/symlink/opa316.pdf?ts=1622530692356&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/opa316.pdf | OPA316IDCKT |
| R19 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| R27 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| R26 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| R25 | 82k | Resistor_SMD:R_0805_2012Metric | ~ | CR0805-FX-8202ELF |
| R23 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| R21 | 200k | Resistor_SMD:R_0805_2012Metric | ~ | ERJ6RED2003V |
| F1 | Nano2 fuse holder | Footprints:Fuse_holder_omni_blok | https://www.littelfuse.com/~media/electronics/datasheets/fuses/littelfuse_fuse_154_154t | 0154008.DRL |
| F2 | Nano2 fuse holder | Footprints:Fuse_holder_omni_blok | https://www.littelfuse.com/~media/electronics/datasheets/fuses/littelfuse_fuse_154_154t | 0154008.DRL |
| F3 | Nano2 fuse holder | Footprints:Fuse_holder_omni_blok | https://www.littelfuse.com/~media/electronics/datasheets/fuses/littelfuse_fuse_154_154t | 0154008.DRL |
| Q3 | IPD200N15N3 | Package_TO_SOT_SMD:TO-252-2 | https://www.infineon.com/dgdl/Infineon-IPD200N15N3%20G-DS-v02_07-EN.pdf?fileId=55161631 | IPD200N15N3GATMA1 |
| U5 | AMC1311 | Footprints:SOIC-8_7.5x5.85mm_P1.27mm | https://www.ti.com/lit/ds/symlink/amc1311.pdf?ts=1622554434410&ref_url=https%253A%252F%2Fwww.ti.com/lit/ds/symlink/amc1311.pdf | AMC1311DWVR |
| C28 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C4 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| J5 | 2604-1102 | Footprints:WAGO-2604-1102 | https://www.wago.com/fr/connexion-de-circuits-imprim%C3%A9s/borne-pour-circuits-imprim%C3%A9s | 2604-1102 |
| J2 | 2604-1102 | Footprints:WAGO-2604-1102 | https://www.wago.com/fr/connexion-de-circuits-imprim%C3%A9s/borne-pour-circuits-imprim%C3%A9s | 2604-1102 |
| J27 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| J30 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| J33 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| J34 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| J3 | Conn_01x01 | Footprints:0906_millmax | https://www.mill-max.com/products/pin/0906/0906-0-15-20-76-14-11-0?s_term=0906-0-15-20-76-14-11-0 | 0906-0-15-20-76-14-11-0 |
| C30 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C31 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C32 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |

Power

| | | | | |
|------|-------------------|--|---|-------------------|
| H1 | MountingHole | Footprints:mounting_holes | ~ | x |
| F4 | Nano2 fuse holder | Footprints:Fuse_holder_omni_blok | https://www.littelfuse.com/~media/electronics/datasheets/fuses/littelfuse_fuse_154_154t | 0154008.DRL |
| C33 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C34 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| C38 | 100nF | Capacitor_SMD:C_0805_2012Metric | ~ | CC0805KRX7R9BB104 |
| JP8 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP7 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP10 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| JP9 | THJP0612AST | Resistor_SMD:R_0612_1632Metric | https://www.vishay.com/docs/60157/thjp.pdf | THJP0612AST1 |
| H2 | MountingHole_Pad | MountingHole:MountingHole_2.2mm_M2_ISO7380_Pad | ~ | x |
| H3 | MountingHole_Pad | MountingHole:MountingHole_2.2mm_M2_ISO7380_Pad | ~ | x |
| H4 | MountingHole_Pad | MountingHole:MountingHole_2.2mm_M2_ISO7380_Pad | ~ | X |