

| Qty | Value | Device | Package | Parts | Description | MF | MPN | OC_FARNELL | Bemerkung |
|-----|-------------------|--------------------------|-----------------------|--|---|------------------------------|-----------------------|------------------------------|---|
| 1 | Spalte1 | 430182000000 | 430182050816 | S1 | 6x6 mm SMD WS-TASV | Würth Electronics Inc. | 4301820508162 | 2065106 | Spalte3 |
| 1 | | 66202021022 | 66202021022 | J2 | WR-MPC3 3.00mm Male Dual Row Angled Header with Plastic Pegs, 20 Pins=>Code : Con_WTB-MPC3_2_PCB_THT66202021022 | WÜRTH ELECTRONICS | 66202021022 | 2113446 | |
| 1 | | | | | Stecker zu Buchse Würth 66202021022 - WR-MPC3 3.00 mm Female Dual Row Receptacle | WÜRTH ELECTRONICS | 662020113322 | 2113501 | Zubehör Anschluss der Platine |
| 1 | | JP1Q | JP1 | JP3 | JUMPER | AMPHENOL ICC | RJHSE-5080 | 1860577 | nicht bestücken |
| 1 | | LED0603 | LED-0603 | D26 | LEDs grün | Rohm | SML-D12P8WT86C | 2687486 | LED, 0603, Grün, Oberflächenmontage, 603, 20 mA, 2.2 V, 560 nm |
| 1 | | LED0603 | LED-0603 | D24 | LEDs rot | Rohm | SML-D12V1WT86 | 3434721 | LED, 0603, rot, Oberflächenmontage, 603, 20 mA, 2.2 V, 560 nm |
| 2 | | LED3MM | LED3MM | LED1, LED2 | LEDs | BROADCOM | HLMP-Y502-F0000 | 1863180 | nicht bestücken, Alternative zu SMD LED's |
| 1 | | PINH-D-2X4 | 2X04 | JP5 | Stiftleiste, Wire-to-Board, 2.54 mm, 2 Reihe(n), 8 Kontakt(e), Durchsteckmontage | MULTICOMP PRO | MC-254-08-00-ST-DIP | 2843526 | |
| 1 | | | | | Stecker zur Stiftleiste, Wire-to-Board, 2.54 mm, 2 Reihe(n), 8 Kontakt(e), Durchsteckmontage | MULTICOMP PRO | MC-254-08-00-00-IDC | 2843494 | Zubehör Anschluss der Platine |
| 1 | 0R | R-EU_R0603 | R0603 | R7 | RESISTOR, European symbol | BOURNS | CR0603-J/-000ELF | 2008343 | |
| 3 | 100 | R-EU_R0603 | R0603 | R11, R12, R13 | RESISTOR, European symbol | BOURNS | CR0603-FX-1000ELF | 2008332 | |
| 1 | 100k | R-EU_R0603 | R0603 | R14 | RESISTOR, European symbol | BOURNS | CR0603-FX-1003ELF | 2008342 | |
| 3 | 100k | R-EU_R0603 | R0603 | R72, R77, R79 | RESISTOR, European symbol | BOURNS | CR0603-FX-1003ELF | 2008342 | |
| 1 | 100k | R-EU_R0603 | R0603 | R74 | RESISTOR, European symbol | BOURNS | CR0603-FX-1003ELF | 2008342 | |
| 2 | 100n | C-EUC0603 | C0603 | C46, C51 | CAPACITOR, European symbol | AVX | 06035C104KAT2A | 1301804 | |
| 6 | 100n | C-EUC0603 | C0603 | C20, C21, C43, C44, C45, C49 | CAPACITOR, European symbol | WALSIN | 0603B104K500CT | 2496834 | |
| 24 | 100n | C-EUC0603 | C0603 | C4, C5, C6, C7, C19, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40 | CAPACITOR, European symbol | WALSIN | 0603B104K500CT | 2496834 | |
| 1 | 10k | R-EU_R0603 | R0603 | R73 | RESISTOR, European symbol | BOURNS | CR0603-FX-1002ELF | 2008341 | |
| 16 | 10k | R-EU_R0603 | R0603 | R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R69 | RESISTOR, European symbol | BOURNS | CR0603-FX-1002ELF | 2008341 | |
| 1 | 10k | R-EU_R0603 | R0603 | R17 | RESISTOR, European symbol | BOURNS | CR0603-FX-1002ELF | 2008341 | |
| 3 | 10µ | C-EUC1210 | C1210 | C8, C9, C12 | CAPACITOR, European symbol | MURATA | GRM32ER7YA106KA12L | 2666606 | |
| 1 | 120 | R-EU_R1206 | R1206 | R4 | RESISTOR, European symbol | BOURNS | CR1206-FX-1200ELF | 2333562 | |
| 1 | 1M | R-EU_R0603 | R0603 | R76 | RESISTOR, European symbol | YAGEO | RC0603FR-071ML | 9238840 | |
| 5 | 1N4148W | DIODESOD123 | SOD-123 | D2, D3, D4, D6, D29 | Diode | DIODES INC. | 1N4148W-7-F | 1776392 | |
| 21 | 1k | R-EU_R0603 | R0603 | R8, R9, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, | RESISTOR, European symbol | PANASONIC | ERJ3EKF1001V | 2303145 | |
| 1 | 1µ | C-EUC0603 | C0603 | C10 | CAPACITOR, European symbol | AVX | 06033D105KAT2A | 1658868 | |
| 1 | 1µ | C-EUC0603 | C0603 | C2 | CAPACITOR, European symbol | AVX | 06033D105KAT2A | 1658868 | |
| 4 | 1µ | C-EUC0603 | C0603 | C11, C14, C16, C18 | CAPACITOR, European symbol | AVX | 06033D105KAT2A | 1658868 | |
| 1 | 1µ | C-EUC0805 | C0805 | C3 | CAPACITOR, European symbol | AVX | 08055C105KAT2A | 2094043 | |
| 4 | 2.2k | R-EU_R0603 | R0603 | R1, R2, R3, R5 | RESISTOR, European symbol | BOURNS | CR0603-FX-2201ELF | 2008338 | |
| 2 | 2.2µ | C-EUC0603 | C0603 | C1, C50 | CAPACITOR, European symbol | AVX | 06036D225KAT2A | 1327678 | |
| 1 | 2.2µ | C-EUC1210 | C1210 | C41 | CAPACITOR, European symbol | TDK | C3225X7R2A225K230AB | 2112727 | |
| 1 | 22µ | C-EUC0805 | C0805 | C42 | CAPACITOR, European symbol | MURATA | GRM21BR60J226ME39L | 1735531 | |
| 4 | 3.3V | DIODE-ZENER5.6V | SOD-323 | D5, D27, D28, D30 | Zener Diode | NXP | BZX384-B3V3,115 | 2319335 | |
| 15 | 33 | R-EU_R2010 | R2010 | R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34 | RESISTOR, European symbol | PANASONIC | ERJ12ZYI330U | 2323962 | |
| 2 | 330 | R-EU_R0603 | R0603 | R70, R71 | RESISTOR, European symbol | BOURNS | CR0603-FX-3300ELF | 2908295 | |
| 2 | 4.3p | C-EUC0603 | C0603 | C47, C48 | CAPACITOR, European symbol | MURATA | GRM1885C1H4R3CA01D | Mouser: 81-GRM1885C1H4R3CA1D | gibt's nicht bei Farnell |
| 3 | 4.7n | C-EUC0603 | C0603 | C13, C15, C17 | CAPACITOR, European symbol | AVX | 06035C472KAT2A | 317263 | |
| 1 | 4.7uH | L-EUL2012C | L2012C | L2 | INDUCTOR, European symbol | TDK | MLP2012S4R7MT | 2345132 | |
| 1 | 47uH | WE-TPC_6823 | WE-TPC_6823 | L1 | Shielded Tiny Power Inductor WE-TPC | BOURNS | SRR6038-470Y | 2859255 | |
| 15 | 5.6V | DIODE-ZENER5.6V | SOD-323 | D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21 | Zener Diode | ON SEMICONDUCTOR | MM3Z5V6T1G | 1431204 | |
| 3 | 5.6k | R-EU_R0603 | R0603 | R15, R78, R80 | RESISTOR, European symbol | BOURNS | CR0603-FX-5601ELF | 2908322 | |
| 1 | 56k | R-EU_R0603 | R0603 | R68 | RESISTOR, European symbol | BOURNS | CR0603-FX-5602ELF | 2908323 | |
| 1 | 62000211622 | 62000211622 | 62000211622 | K1 | WR-WTB 2.00mm Male Vertical Shrouded Header, 2 Pins=>Code : Con_WTB_2.00_PCB_THT_62000211622 | WÜRTH ELECTRONICS | 62000211622 | - | nicht bestücken |
| 1 | 66200621022 | 66200621022 | 66200621022 | TEMP | WR-MPC3 3.00mm Male Dual Row Angled Header with Plastic Pegs, 6 Pins=>Code : Con_WTB-MPC3_2_PCB_THT66200621022 | WÜRTH ELECTRONICS | 66200621022 | 1641823 | Molex Anschluss Temperatur und Spannung Akku |
| 1 | | | | | Stecker zu Buchse Würth: 66200621022, WR-MPC3 3.00 mm Female Dual Row Receptacle 662006113322 | WÜRTH ELECTRONICS | 662006113322 | 1641835 | Zubehör Anschluss der Platine |
| 1 | 66200621122 | 66200621122 | 66200621122 | K4 | WR-MPC3 3.00mm Male Dual Row Vertical Header, 6 Pins=>Code : Con_WTB_MPC3_2_PCB_THT_66200621122 | | | | Alternative Molex Anschluss Temperatur und Spannung Akku, nicht bestücken |
| 1 | 8MHz | RESONATOR1:1 | RESONATOR-SMD-1:1 | Y1 | Resonator | MURATA | CSTNE8M00GH5C000R0 | Mouser: 81-CSTNE8M00GH5C000R | gibt's nicht bei Farnell |
| 1 | ABS25-32.768KHZ-6 | CRYSTALMM20SS | MM20SS | X1 | CRYSTAL | ABRACON | ABS25-32.768KHZ-6-1-T | 2101353 | |
| 1 | BQ76940 | BQ76940 | TSSOP44 | IC1 | | TEXAS INSTRUMENTS | BQ7694003DBT | 3008763 | |
| 1 | BSS123 | MOSFET-NCHANNELBSS138 | SOT23-3 | Q4 | Common NMOSFET Parts | ON SEMICONDUCTOR | BSS123 | 9845321 | |
| 1 | CORTEX_DEBUGSMD | CORTEX_DEBUGSMD | SAMTECH_FTSH-105-01 | CORTEX | Cortex Debug Connector | SAMTECH | FTSH-105-01-L-DV | 1667759 | |
| 1 | DFLS1100-7 | SCHOTTKY-DIODEPOWERDI123 | POWERDI123 | D22 | Schottky Diode | DIODES INC. | DFLS1100-7 | 1713889 | |
| 15 | DMN2004K | DMN2004K | SOT23 | Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19 | N-CHANNEL MOS FET with low VGS and ESD protection | DIODES INC. | DMN2004K-7 | 1713842 | |
| 1 | LMR16006X | LMR16006SOT-23 | SOT23-6 | U2 | LMR16006 SIMPLE SWITCHER® 60 V 0.6 A Buck Regulators With High Efficiency ECO Mode | TEXAS INSTRUMENTS | LMR16006XDDCT | 2455133 | |
| 1 | M24256-BW | EEPROM-I2CSMD | SO08 | U3 | I2C EEPROM chips, 24LC256 (and others) | STM MICROELECTRONICS | M24256-BWMN6P | 1224411 | |
| 1 | MIC5225 | V_REG_MIC5235 | SOT23-5 | U5 | | MICROCHIP | MIC5225-3.3YM5-TR | 2510262 | |
| 1 | NUP2105L | PESD2CAN | SOT23 | D1 | CAN bus ESD protection diode | ON SEMICONDUCTOR | NUP2105LT1G | 2101833 | |
| 2 | RJ45 | RJ45-8PTH | RJ45-8 | JP1, JP2 | RJ45 Jack | AMPHENOL COMMERCIAL PRODUCTS | RJHSE-5080 | 1860577 | |
| 1 | STM32F072CB | STM32F072CB | QFP50P900X900X160-48N | U6 | ARM-based 32-bit MCU | STM MICROELECTRONICS | STM32F072CBT6 | 2432094 | |
| 1 | TJA1042T/3 | TJA1042T/3 | SOIC-8-N | U1 | 3.3V CAN transceiver | NXP | TJA1042T/3,118 | 2776119 | |
| 1 | UEXT | UEXT | UEXT | UEXT | WR-BHD 2.54mm Male Box Header, 10 Pins=>Code : Con_WTB_BHD_2.54_Male_THT_WS_61201021621, | MULTICOMP | MC-254-10-00-RA-DIP | 2843542 | |
| 1 | | | | | Stecker zu Buchse WR-BHD 2.54mm Male Box Header | MULTICOMP | MC-254-10-00-00-IDC | 2843495 | Zubehör Anschluss der Platine |
| 1 | t.b.d. | R-EU_R0603 | R0603 | R6 | RESISTOR, European symbol | MULTICOMP | MCMR06X1001FTL | 2073348 | nicht bestücken |