



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-----------------|---|---|---------------|-----------------|----------|
| BTN_1 | | B1, B2, B3 | Button | BTN_1 | 3 |
| BAT CR2032 | | BAT1 | CH-224 | BAT CR2032 | 1 |
| 0,1 uF 25V | | C1, C6 | 0603 | C | 2 |
| C | | C2 | 1210 | C | 1 |
| 10uF 10V | | C3, C8 | 0603 | C | 2 |
| 100uF 6.3V | | C4, C9 | 0603 | C | 2 |
| 0.1uF 25V | | C5, C10, C23, C24, C25, C26, C27 | 0603 | C | 7 |
| 68uF 25V | | C7 | 1210 | C | 1 |
| 100nF 25V | | C11 | 0603 | C | 1 |
| 22pF 10V | | C12, C13 | 0603 | C | 2 |
| 22pF 25V | | C14, C19 | 0603 | C | 2 |
| 2.2uF 25V | | C15, C16 | 0603 | C | 2 |
| 10nF 25V | | C17, C18 | 0603 | C | 2 |
| 33pF 25V | | C20, C22 | 0603 | C | 2 |
| 47nF 25V | | C21 | 0603 | C | 1 |
| 10uF 6.3V | | C30, C34 | 0805 | C | 2 |
| 0,1uF 25V | | C31, C32, C33, C35, C36, C37, C39, C40, C41 | 0603 | C | 9 |
| 1uF 6.3V | | C38 | 0603 | C | 1 |
| TP | | ENC_1, ENC_2, ENC_G1, GND1, OUT_L1, OUT_R1, VAR_1, VAR_2, VAR_3 | TP | TP | 9 |
| 0 | | R1, R7, R9, R10, R24, R26, R27 | 0603 | R | 7 |
| 609R | | R2 | 0603 | R | 1 |
| 10k | | R3, R6, R8, R12, R17, R18 | 0603 | R | 6 |
| 1k | | R4, R13 | 0603 | R | 2 |
| 100k | | R5, R21, R25 | 0603 | R | 3 |
| 2.27k | | R11 | 0603 | R | 1 |
| R | | R14, R15, R28, R29, R30, R31 | 0603 | R | 6 |
| 20R | | R19, R20 | 0603 | R | 2 |
| 10R | | R22 | 0603 | R | 1 |
| 1M | | R23 | 0603 | R | 1 |
| LM1117IMPX-3.3 | 800mA Low-Dropout Linear Regulator, 4-pin SOT-223 | U1, U3 | DSO-G3 | LM1117IMPX-3.3 | 2 |
| ESP8366 | | U2 | ESP8366 | ESP8366 | 1 |
| STM32F415RGT6 | ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray | U4 | STM-LQFP64_N | STM32F415RGT6 | 1 |
| LCD | | U5 | Nokia5510_LCD | Nokia5510_LCD | 1 |
| VS1053B | | U6 | LQFP48 | VS1053B | 1 |
| IRLML5203TRPbF | | VT1 | SOT - 23 3PIN | IRLML5203TRPbF | 1 |
| IRLML2803 | HEXFET Power MOSFET | VT2 | SOT - 23 3PIN | IRLML2803 | 1 |
| X1 | | X1 | USB_micro | USB_Micro | 1 |
| PLD_2.54_4S | | X2, X4 | PLD254-4 | PLD_127_4S | 2 |
| ST-025 | | X3 | ST-025 | ST-025 | 1 |
| KX-KT (hc-49sm) | | ZQ1, ZQ3 | hc-49s | KX-KT (hc-49sm) | 2 |
| 32.768 Khz | | ZQ2 | Q | Q | 1 |
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