



| Designator   | Component             | Model   | Footprint                | Link  |
|--|-----------------------|---|--------------------------|---|
| C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27 | Capacitor             | ?   | CAP 0603_1608            | ?   |
| R1, R2, R3, R4, R5, R6   | Resistor              | ?   | R_0805_T0.4              | ?   |
| DD2  | DAC                   | AD9760ARUZ50  | DAC                      | <a href="https://www.chipdip.ru/product/ad9760aruz50">https://www.chipdip.ru/product/ad9760aruz50</a>   |
| T1   | Transformer           | ALT3232M-151-T001   | transformer              | <a href="https://www.chipdip.ru/product/alt3232m-151-t001-2">https://www.chipdip.ru/product/alt3232m-151-t001-2</a>   |
| DD6  | FPGA                  | Altera II EPM240T100C3  | QFP50P1600X1600X120-100N | <a href="https://eu.mouser.com/ProductDetail/Intel-Altera/EPM240T100C3?qs=jblrfmjbeiFZviQiVyzREw%3D%3D">https://eu.mouser.com/ProductDetail/Intel-Altera/EPM240T100C3?qs=jblrfmjbeiFZviQiVyzREw%3D%3D</a> |
| DA1  | Стабилизатор          | AMS1117-3.3   | AMS1117-3.3<br>GENERATED | <a href="https://www.chipdip.ru/product/ams1117-3.3">https://www.chipdip.ru/product/ams1117-3.3</a>   |
| DD3  | UART INTERFACE        | CH340G  | CH340G<br>GENERATED      | <a href="https://cdn.sparkfun.com/datasheets/Dev/Arduino/Other/CH340DS1.PDF">https://cdn.sparkfun.com/datasheets/Dev/Arduino/Other/CH340DS1.PDF</a>   |
| ZQ1  | Quartz resonator      | ECN-7U12000MAB143ZA3  | ECN-7U12000MAB143ZA3     | ?   |
| ZQ2  | Quartz resonator      | ECN-7U16000M9Z143ZA3  | ECN-7U12000MAB143ZA3     | ?   |
| DD4  | FLASH Memory          | EPCS16SI8N  | FLASH                    | <a href="https://www.chipdip.ru/product/epcs16si8n">https://www.chipdip.ru/product/epcs16si8n</a>   |
| G1   | FPGA Quartz Generator | <a href="https://www.chipdip.ru/product0/8004154941">https://www.chipdip.ru/product0/8004154941</a> | CAC-508P730X4904N        | <a href="https://www.chipdip.ru/product0/8004154941">https://www.chipdip.ru/product0/8004154941</a>   |
| XW1  | СВЧ разъем            | KLS1-SMA002-B   | UHF                      | <a href="https://www.chipdip.ru/product/kls1-sma002-b-sma-jr">https://www.chipdip.ru/product/kls1-sma002-b-sma-jr</a>   |
| XP2  | Вилка штыревая 10PIN  | PLD-10 (DS1021-2x5)   | PINS                     | <a href="https://www.chipdip.ru/product/pld-10">https://www.chipdip.ru/product/pld-10</a>   |
| XP1  | Вилка штыревая 4PIN   | PLS-4 (DS-1021-1x4)   | 4PIN                     | <a href="https://www.chipdip.ru/product/pls-4">https://www.chipdip.ru/product/pls-4</a>   |
| DD5  | Controller            | STM32F446RET6   | LQFP-48                  | <a href="https://www.chipdip.ru/product/stm32f446ret6">https://www.chipdip.ru/product/stm32f446ret6</a>   |
| DD1  | USB                   | Unknown   | USB                      | No link   |
| DD7  | Memory                | W9812G6KH-6/TRAY  | SOP127P600-8N            | <a href="https://www.chipdip.ru/product/w9812g6kh-6-tray">https://www.chipdip.ru/product/w9812g6kh-6-tray</a>   |