Список компонентов IC:

|  |  |
| --- | --- |
| MSU | [STM8S003F3P6](https://eu.mouser.com/ProductDetail/STMicroelectronics/STM8S003F3P6?qs=vV0pr1uq7fD%252BGii5YhjnYw%3D%3D) |
| USB-C | [USB4800-03-A](https://eu.mouser.com/ProductDetail/GCT/USB4800-03-A?qs=vvQtp7zwQdMkfG8vViEZoQ%3D%3D) |
| Quartz resonator | [ECS-80-18-5PX-TR](https://eu.mouser.com/ProductDetail/ECS/ECS-80-18-5PX-TR?qs=CkbNAJEAr%2FSCHlos7Ir4Sg%3D%3D) |
| OpAmp | [LM324NSR](https://eu.mouser.com/ProductDetail/Texas-Instruments/LM324NSR?qs=VBduBm9rCJQcjq4eh95DkA%3D%3D) |

Базовые компоненты:

|  |  |  |
| --- | --- | --- |
| Тип | Компонент | Кол-во |
| Charger coil | [WMRR138F-0](https://eu.mouser.com/ProductDetail/Pulse-Electronics/WMRR138F-0?qs=w%2Fv1CP2dgqrskzxdeNMGXQ%3D%3D) | 1 |
| LED\_RGB | [521-8559F](https://eu.mouser.com/ProductDetail/Dialight/521-8559F?qs=vmHwEFxEFR%2FyCJVY9sdZTA%3D%3D) | 1 |
| Thermistor | [NXFT15XH103FEAB030](https://eu.mouser.com/ProductDetail/Murata-Electronics/NXFT15XH103FEAB030?qs=xZ%2FP%252Ba9zWqa9ZeqIERpziA%3D%3D) | 1 |
| N-MOSFET | [BSS123LT1G](https://www.lcsc.com/product-detail/MOSFETs_onsemi-BSS123LT1G_C78755.html) | 4 |
| Diode Schottky | [HXY MOSFET 1N5819W](https://www.lcsc.com/product-detail/Schottky-Barrier-Diodes-SBD_HXY-MOSFET-1N5819W_C5451628.html) | 9 |
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|  |  |  |

Res 1 11 12 16 17 29 30 34 36 39

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| Номинал | Размер | Кол-во |  |
| 390 | 0603 | 1 | [0603WAF3900T5E](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0603WAF3900T5E_C23151.html) |
| 5.1K | 0402 | 4 | [0402WGF5101TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF5101TCE_C25905.html) |
| 1K | 0402 | 3 | [0402WGF1001TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF1001TCE_C11702.html) |
| 6.8K | 0402 | 1 | [0402WGF6801TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF6801TCE_C25917.html) |
| 4.3K | 0402 | 1 | [0402WGF4301TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF4301TCE_C25899.html) |
| 2.4K | 0402 | 2 | [0402WGF2401TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF2401TCE_C25882.html) |
| 10K | 0402 | 7 | [RC0402FR-0710KL](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_YAGEO-RC0402FR-0710KL_C60490.html) |
| 1M | 0402 | 1 | [0402WGF1004TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF1004TCE_C26083.html) |
| 7.4K | 0402 | 1 | [0402WGF7501TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF7501TCE_C25918.html) |
| 100 | 0402 | 1 | [0402WGF1000TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF1000TCE_C25076.html) |
| 62K | 0402 | 7 | [0402WGF6202TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF6202TCE_C37825.html) |
| 36K | 0402 | 8 | [0402WGF3602TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF3602TCE_C43676.html) |
| 22K | 0402 | 3 | [0402WGF2202TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF2202TCE_C25768.html) |
| 3.9K | 0402 | 4 | [0402WGF3901TCE](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0402WGF3901TCE_C51721.html) |
| 5.11K | 0603 | 2 | [FRC0603F5111TS](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_FOJAN-FRC0603F5111TS_C2933233.html) |
| 5.9K | 0603 | 7 | [0603WAF5901T5E](https://www.lcsc.com/product-detail/Chip-Resistor-Surface-Mount_UNI-ROYAL-Uniroyal-Elec-0603WAF5901T5E_C23071.html) |

Caps 1 2 3 4 26 27

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| Номинал | Размер | Кол-во |  |
| 680p | 0603 | 1 | [CC0603KRX7R9BB104](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_YAGEO-CC0603KRX7R9BB104_C14663.html) |
| 68n | 0603 | 2 | [CC0603KRX7R9BB683](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_YAGEO-CC0603KRX7R9BB683_C107098.html) |
| 2n | 0603 | 2 | [0603B202K500NT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_FH-Guangdong-Fenghua-Advanced-Tech-0603B202K500NT_C1601.html) |
| 20p | 0402 | 2 | [0402CG200J500NT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_FH-Guangdong-Fenghua-Advanced-Tech-0402CG200J500NT_C1554.html) |
| 4.7u | 0402 | 2 | [CL05A475MQ5NRNC](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_Samsung-Electro-Mechanics-CL05A475MQ5NRNC_C307423.html) |
| 100n | 0402 | 4 | [CL05B104KO5NNNC](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_Samsung-Electro-Mechanics-CL05B104KO5NNNC_C1525.html) |
| 1n | 0402 | 5 | [CC0402KRX7R9BB102](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_YAGEO-CC0402KRX7R9BB102_C106205.html) |
| 4.7n | 0402 | 2 | [0402B472K500NT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_FH-Guangdong-Fenghua-Advanced-Tech-0402B472K500NT_C1538.html) |
| 47n | 0402 | 2 | [CC0402KRX7R9BB473](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_YAGEO-CC0402KRX7R9BB473_C272875.html) |
| 1.5u | 0603 | 1 | [TCC0603X5R155M250CT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_CCTC-TCC0603X5R155M250CT_C7393893.html) |
| 330n | 0603 | 1 | [TCC0603X7R334K500CT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_CCTC-TCC0603X7R334K500CT_C282682.html) |
| 470n | 0402 | 1 | [CL05A474KP5NNNC](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_Samsung-Electro-Mechanics-CL05A474KP5NNNC_C47339.html) |
| 10n | 0402 | 1 | [CC0402KRX7R9BB103](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_YAGEO-CC0402KRX7R9BB103_C60133.html) |
| 470p | 0402 | 1 | [0402B471K500NT](https://www.lcsc.com/product-detail/Multilayer-Ceramic-Capacitors-MLCC-SMD-SMT_FH-Guangdong-Fenghua-Advanced-Tech-0402B471K500NT_C1537.html) |