

# Bill Of Materials for FETTEST\_SCH

**Design Title** FETTEST\_SCH  
**Author**  
**Document Number**  
**Revision**  
**Design Created** 7 апреля 2026 г.  
**Design Last Modified** 10 апреля 2026 г.  
**Total Parts In Design** 45

## 0 Modules

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a> | <a href="#">description</a> |
|--------------------------|----------------------------|-----------------------|-----------------------------|
|--------------------------|----------------------------|-----------------------|-----------------------------|

Sub-totals:

## 10 Capacitors

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a> | <a href="#">description</a> |
|--------------------------|----------------------------|-----------------------|-----------------------------|
| 10                       | C1-C10                     | 0.47u                 | Capacitor SMD1206           |

Sub-totals:

## 10 Resistors

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a> | <a href="#">description</a> |
|--------------------------|----------------------------|-----------------------|-----------------------------|
| 2                        | R1-R2                      | 220                   | Resistor SMD1206            |
| 1                        | R3                         | 10M                   | Resistor SMD1206            |
| 1                        | R4                         | 100                   | Resistor SMD1206            |
| 4                        | R5-R6,R9-R10               | 10K                   | Resistor SMD1206            |
| 2                        | R7-R8                      | 100K                  | Resistor SMD1206            |

Sub-totals:

## 5 Integrated Circuits

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a> | <a href="#">description</a>                   |
|--------------------------|----------------------------|-----------------------|---|
| 1                        | U1                         | TL072                 | Dual Op. Amplifier DIP14                      |
| 1                        | U2                         | 24C32A                | EEPROM+ Holder DIP8                           |
| 1                        | U3                         | PCF8574               | I2C LCD Driver                                |
| 2                        | U4-U5                      | ADS1015               | Low-Power, 16-Bit Analog-to-Digital Converter |

Sub-totals:

## 3 Transistors

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a> | <a href="#">description</a>         |
|--------------------------|----------------------------|-----------------------|-------------------------------------|
| 1                        | Q1                         | ZVN3310F              | N-CHANNEL MOS FET Logic Level SOT23 |
| 1                        | Q2                         | BC817                 | NPN Transistor SOT23-BEC            |
| 1                        | Q3                         | BC858                 | PNP Transistor SOT23-BEC            |

Sub-totals:

## 17 Miscellaneous

| <a href="#">Quantity</a> | <a href="#">References</a> | <a href="#">Value</a>                       | <a href="#">description</a> |
|--------------------------|----------------------------|---|-----------------------------|
| 1                        | ARD1                       | ARDUINO NANO R3                             |                             |
| 2                        | D1-D2                      | BZX84C5V6                                   | Zener Diode 5,6V TO236      |
| 2                        | D3-D4                      | LED-RED                                     | LED5MM 2mA                  |
| 3                        | F1-F3                      | 50mA  | Fuse 50mA + Holder 5x20mm   |
| 2                        | J1-J2                      | TBLOCK-M2                                   | Connector MKDSN1,5-2-5,08   |
| 1                        | LCD2                       | LCD 16X2 V2                                 | I2C LCD DISPLAY16x2         |
| 1                        | RL1                        | G2R2 12V                                    | Relay DPDT G2R2 12V         |
| 4                        | SW1-SW4                    |   | Tactile Switch B3F-40XX     |
| 1                        | ZX1                        | 214-3339-00-0602J 3M - CONN IC DIP14 SOCKET |                             |

Sub-totals:

Totals: