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| № | Task | Done | Features of the implementation |
| 1 | Voltage and current measurement | + | - |
| 2 | Reading the set number on switch S1. Setting this value as the maximum current consumption | + | Single read on power up |
| 3 | Control of field-effect transistors when closing a button connected to x1 | + | - |
| 4 | Turning off transistors when the output voltage from the range of 9-18V | + | Independent entry and exit limits |
| 5 | Switching off transistors when the maximum current consumption is exceeded | + | Forward and backward |
| 6 | Transistor control when receiving a command via CAN bus | + | - Filter Id: 0x0001  - The basic format of the data frame (id 11 bit)  - Speed: 62500 baud  - Number of data bytes: 1  - Include: 0x01  - Turn off: 0x00 |
| 7 | Sending measured parameters via CAN bus, f-ia stub without actual sending (without CAN protocol) | + | - Filter Id: 0x0100  - The basic format of the data frame (id 11 bit)  - Speed: 62500 baud  - Frequency of sending data: 1c  - Number of data bytes: 8  - ADC\_IN data: DATA [0-1]  - ADC\_OUT data: DATA [2-3]  - ADC\_SENS data: DATA [4-5]  - ADC\_TEMP data: DATA [6-7]    The data is sent in low byte forward (12 bits meaningful) in raw form. To convert to a physical quantity, it is necessary to recalculate using the formulas: |