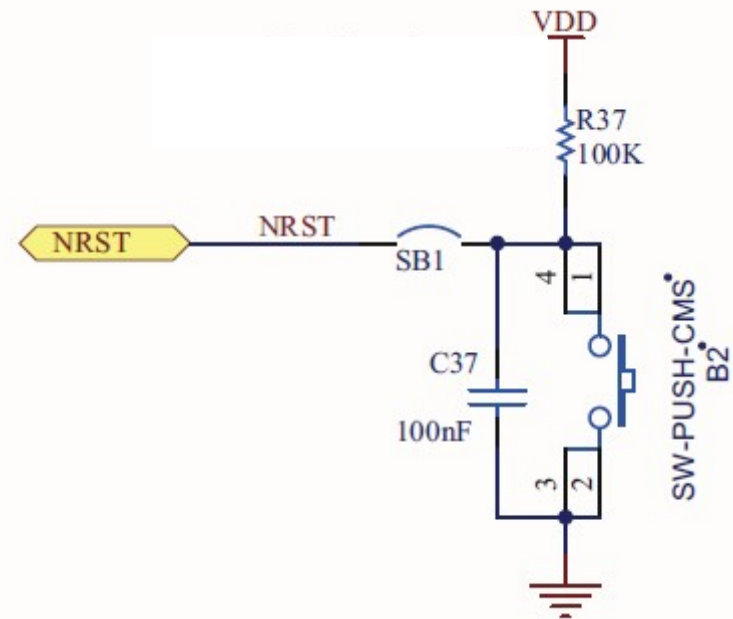
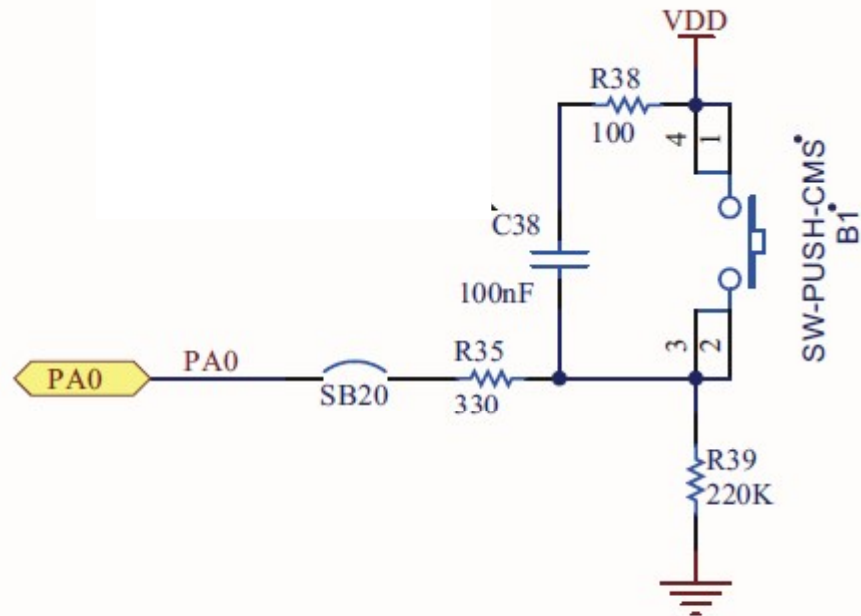
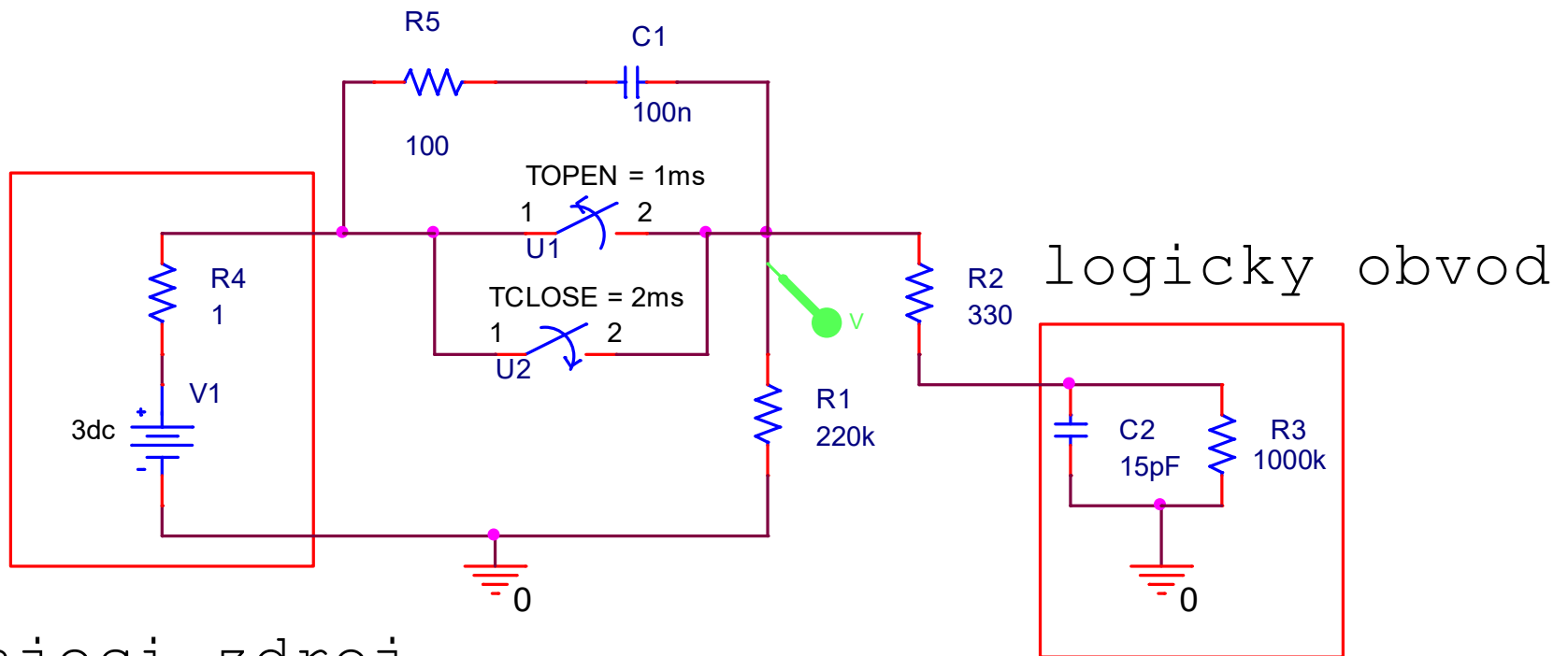


Vstupní interface

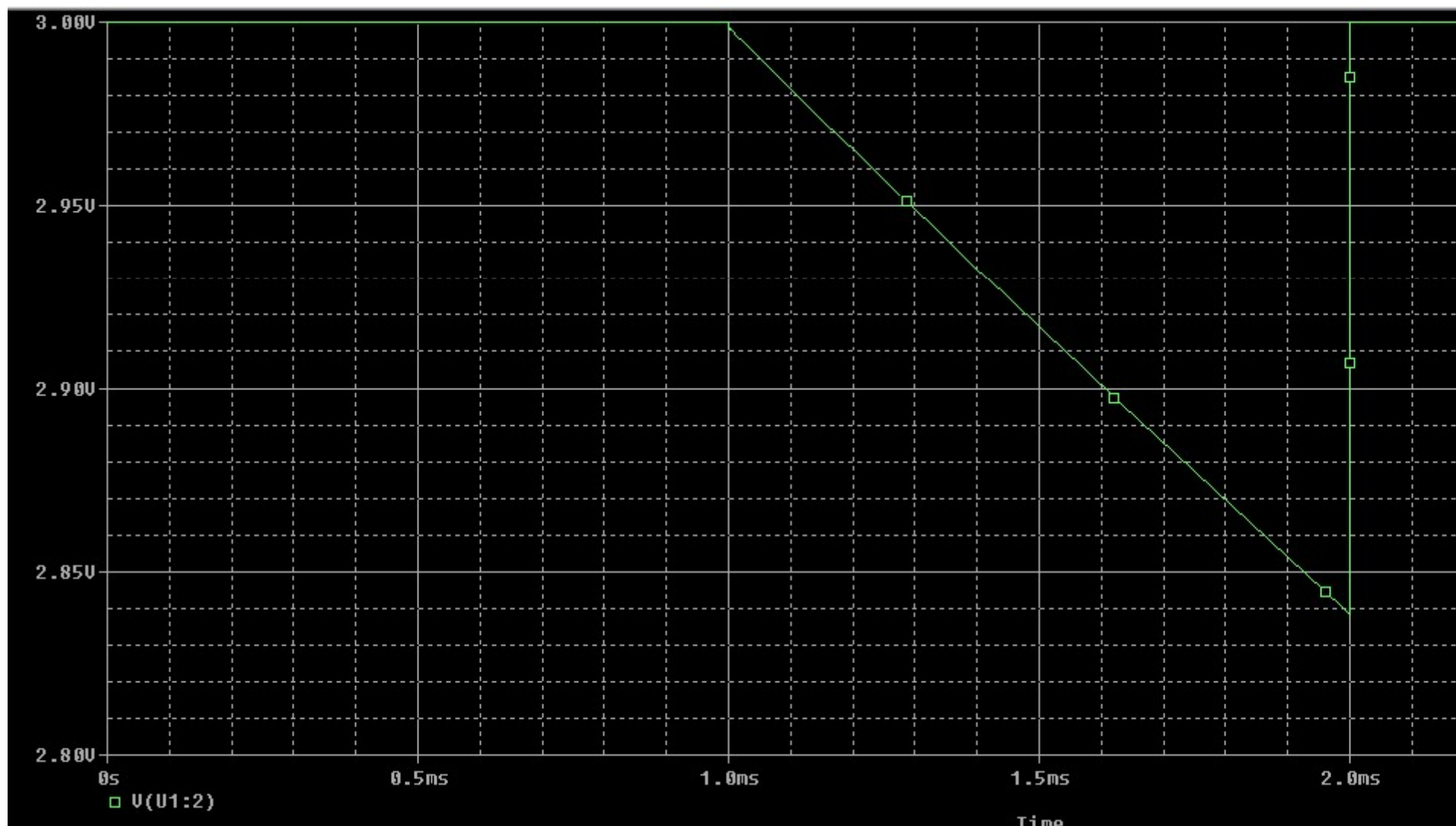


Simulace zámětu kontaktu



Napájecí zdroj

Simulace zákmitu kontaktu







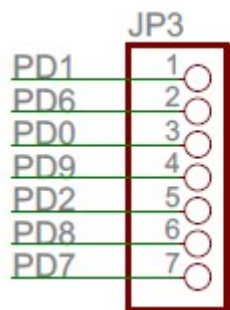
Zapojení klávesnice



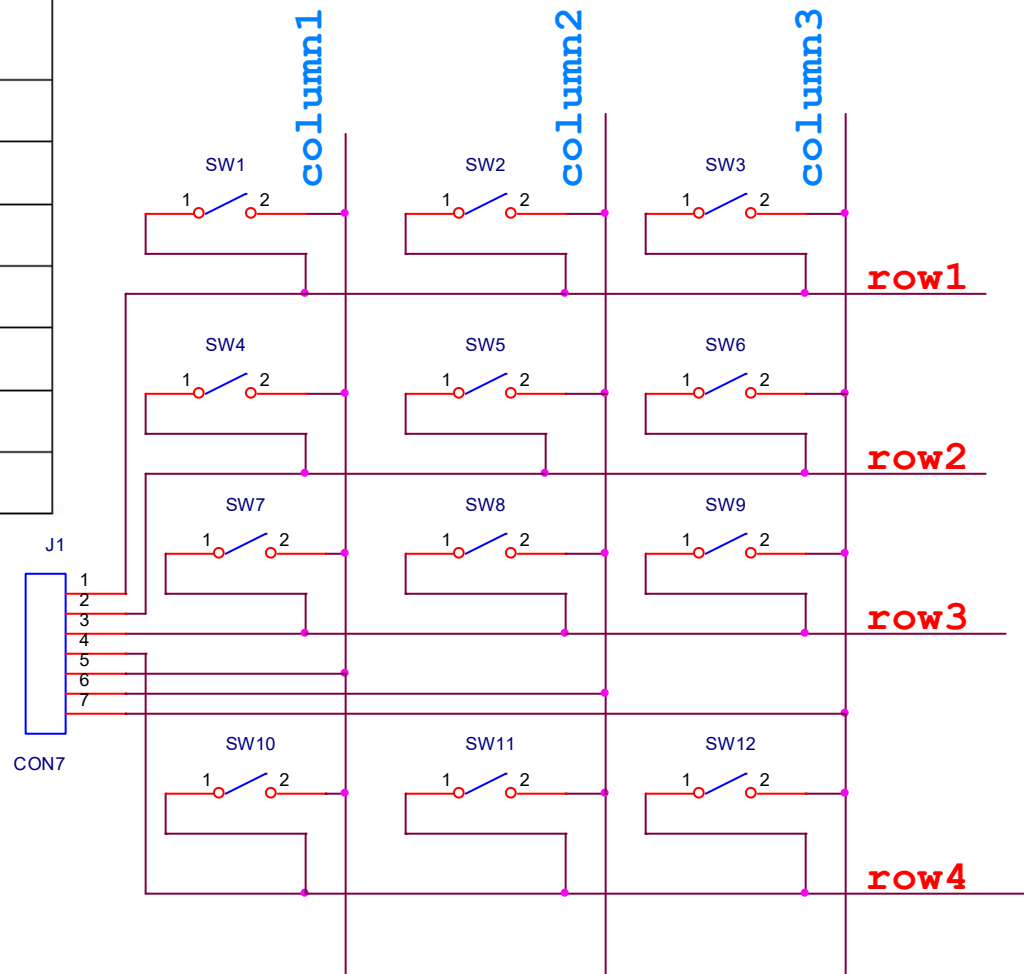
Specifications:

Contact Rating	: 20 mA, 24 V dc
Maximum Contact Resistance	: 200 Ω
Life	: 1,000,000 cycles per key
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -40°C to +65°C

Output Arrangement	
Output Pin Number	Symbol
1	COL 2
2	 ROW 1
3	COL 1
4	 ROW 4
5	COL 3
6	 ROW 3
7	 ROW 2



klavesnice



```

uint8_t getkey(){
    uint8_t key= 0;
    uint16_t temp;
    while (!key){
        Delay(1000);
        GPIOD->ODR &= ~((15UL << 6));
        GPIOD->ODR |= ((7UL << 6));           // ... 0111
        temp = GPIOD->IDR ;
        temp &= 7 ;
        switch (temp){
            case 6 : key = '.'; break ;
            case 5 : key = '0'; break ;
            case 3 : key = '#'; break ;
        }
        GPIOD->ODR &= ~((15UL << 6));
        GPIOD->ODR |= ((11UL << 6));         // ....1011
        temp = GPIOD->IDR ;
        temp &= 7 ;
        switch (temp){
            case 6 : key = '7'; break ;
            case 5 : key = '8'; break ;
            case 3 : key = '9'; break ;}
        .
        .
    }
}

```