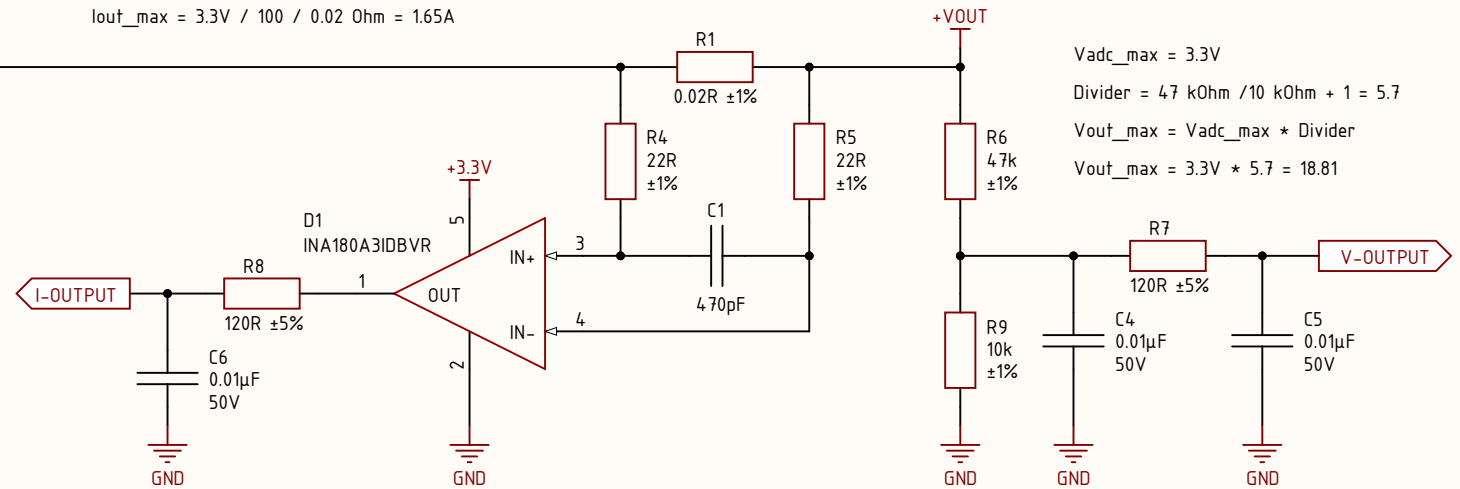
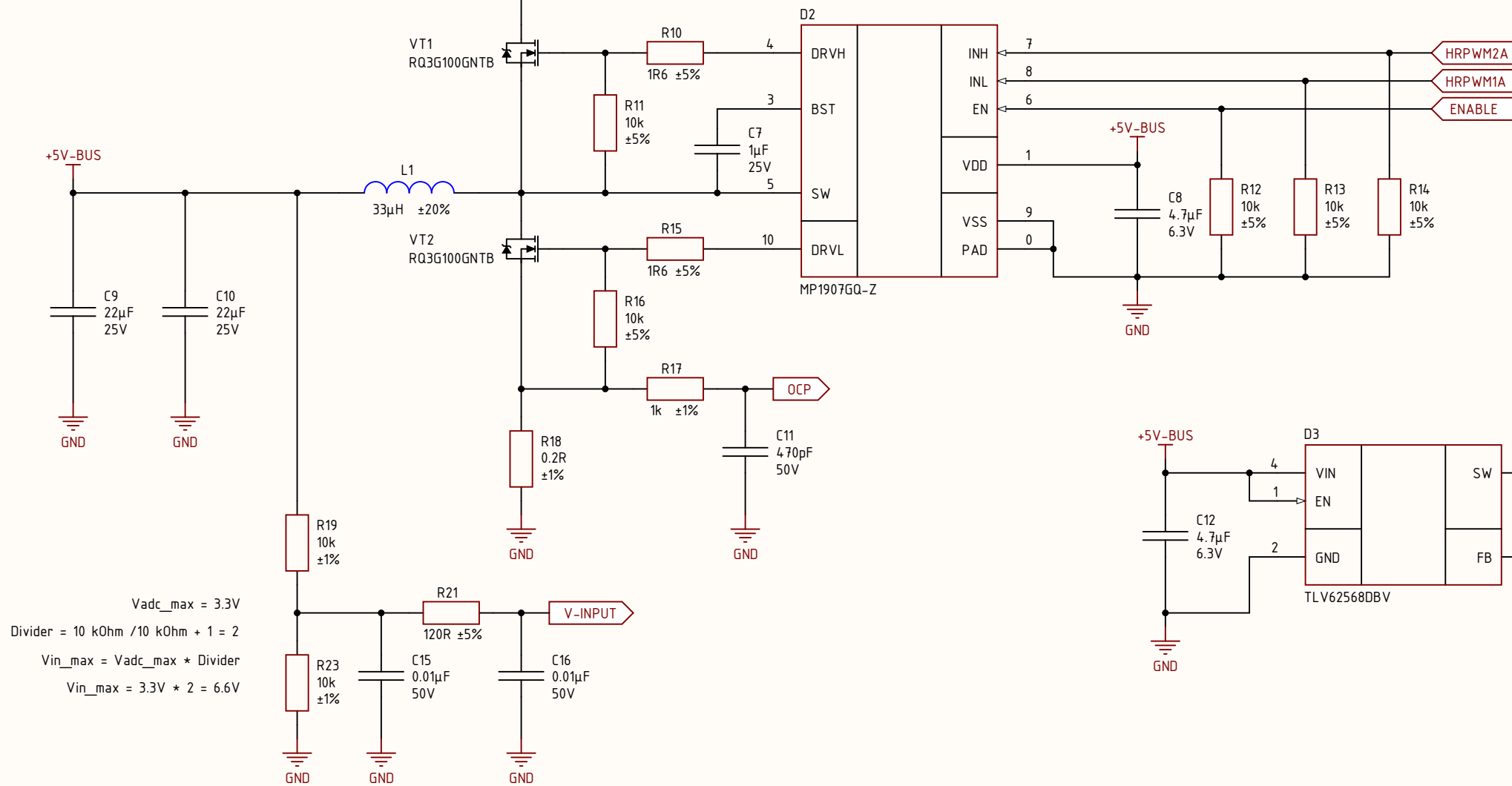


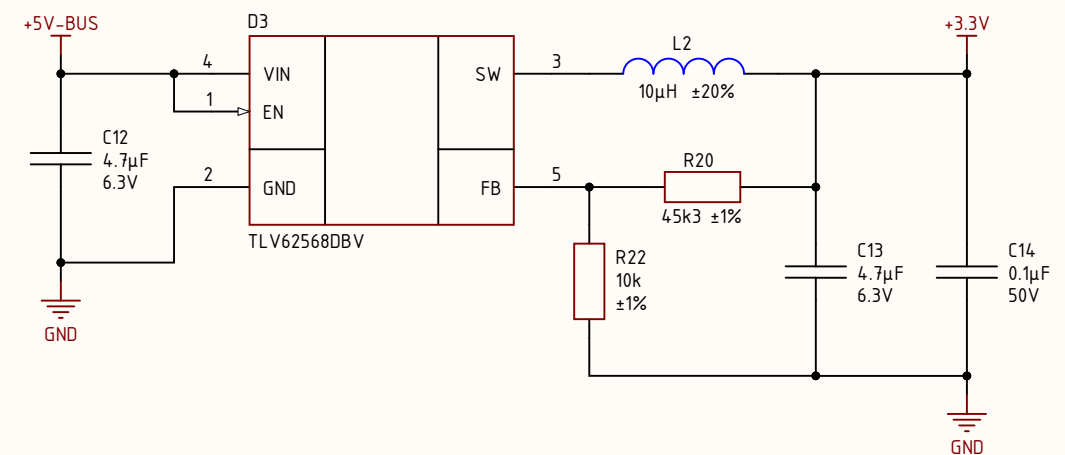
$V_{adc_max} = 3.3V$
 $Gain = 100V/V$
 $Shunt = 0.02\ Ohm$
 $I_{out_max} = V_{adc_max} / Gain / Shunt$
 $I_{out_max} = 3.3V / 100 / 0.02\ Ohm = 1.65A$



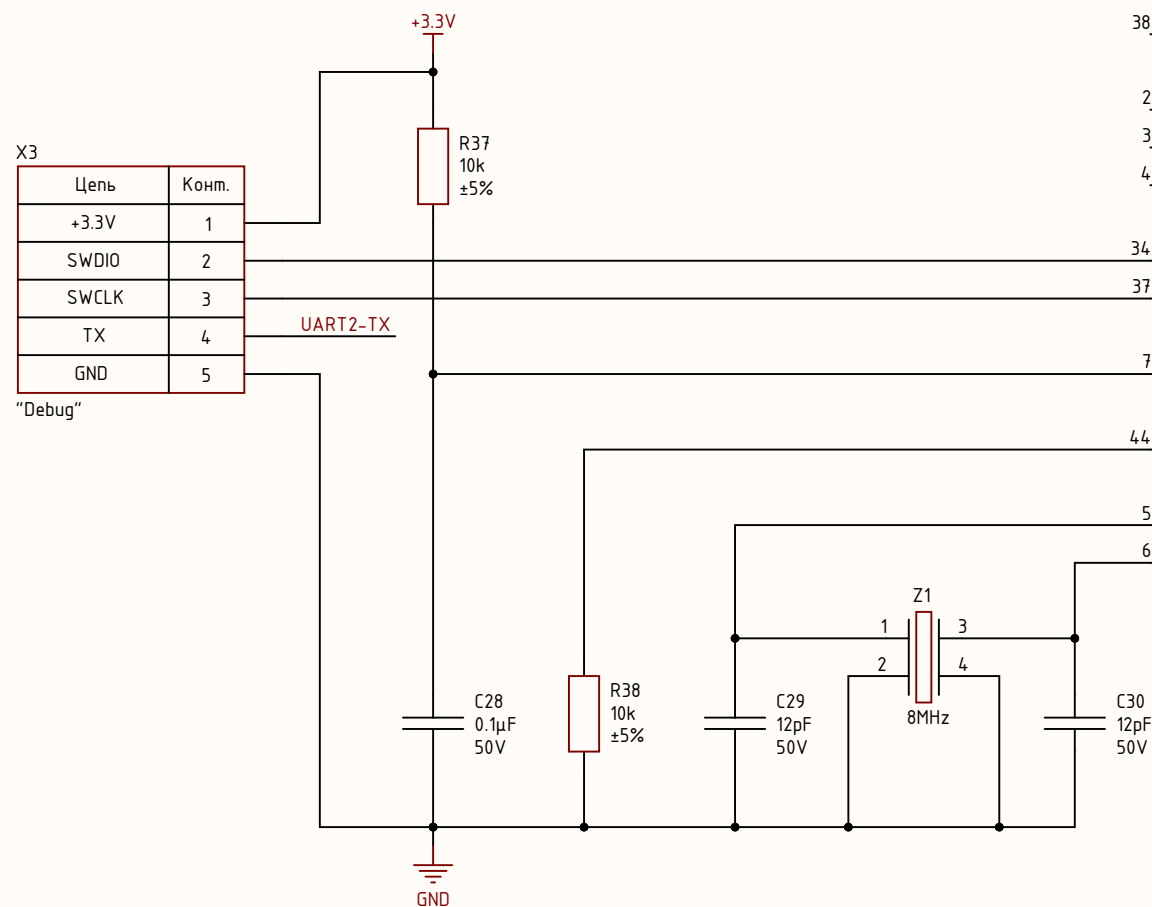
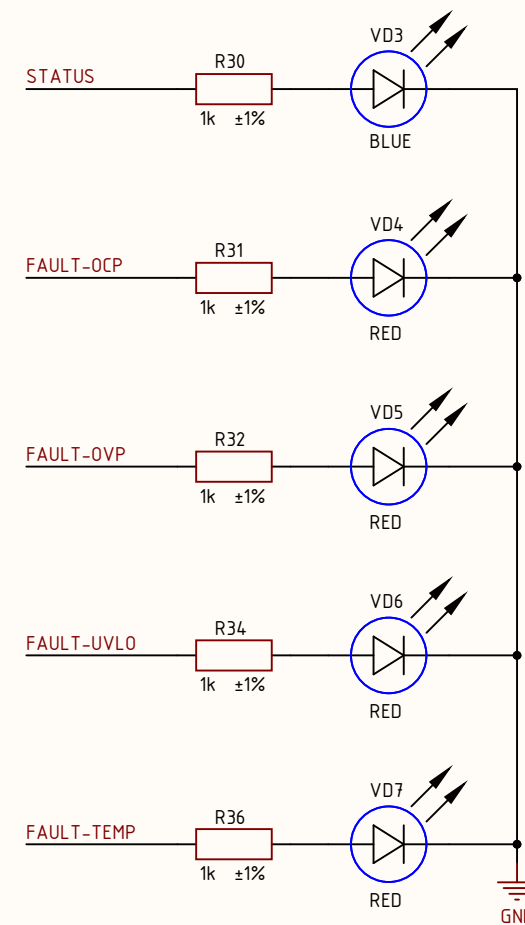
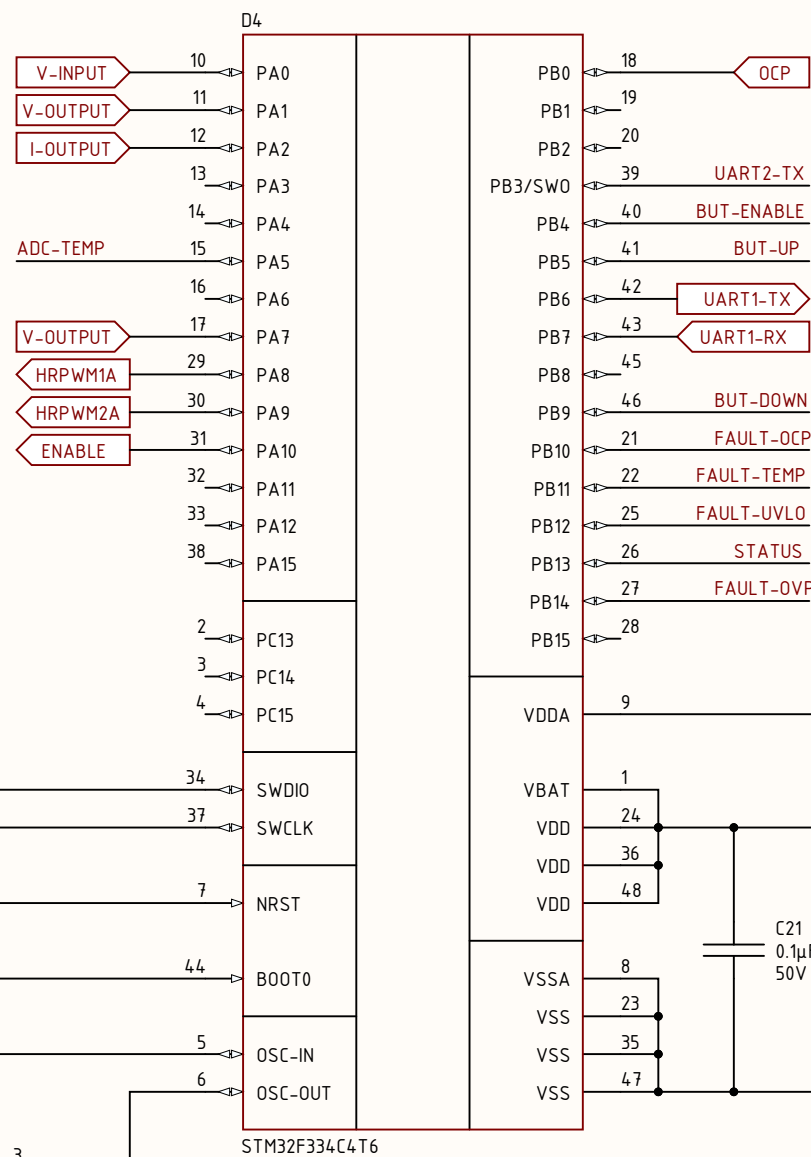
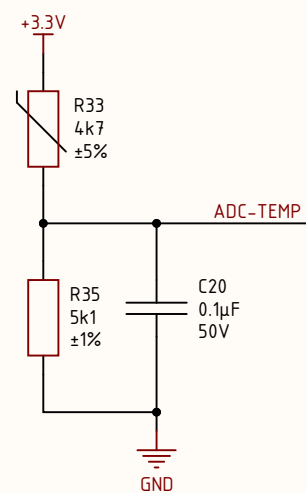
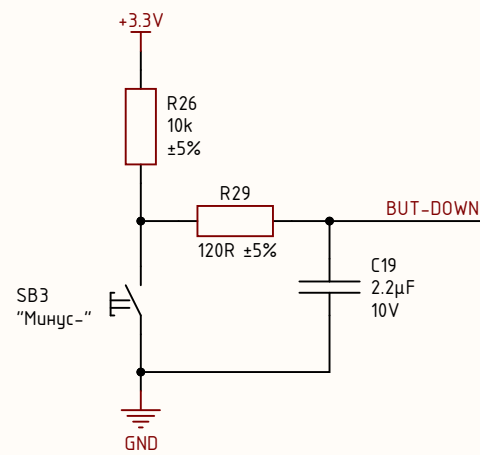
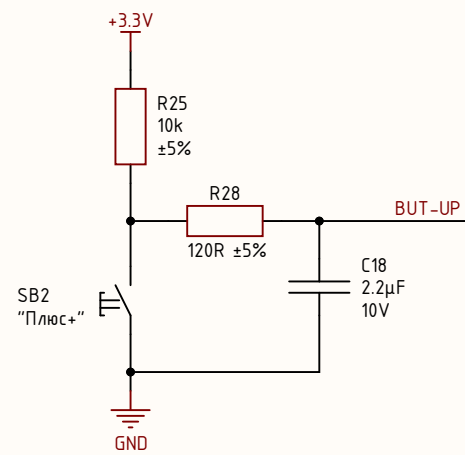
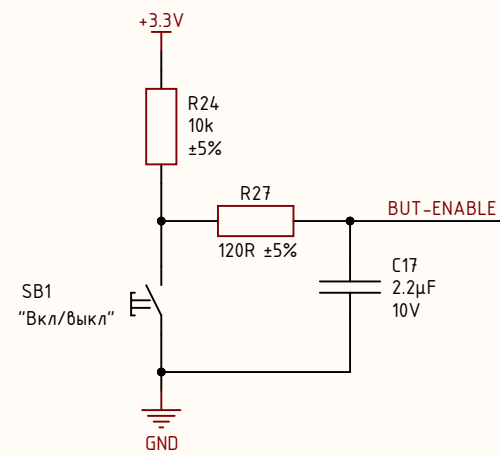
$V_{adc_max} = 3.3V$
 $Divider = 47\ kOhm / 10\ kOhm + 1 = 5.7$
 $V_{out_max} = V_{adc_max} * Divider$
 $V_{out_max} = 3.3V * 5.7 = 18.81$



$V_{adc_max} = 3.3V$
 $Divider = 10\ kOhm / 10\ kOhm + 1 = 2$
 $V_{in_max} = V_{adc_max} * Divider$
 $V_{in_max} = 3.3V * 2 = 6.6V$



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Цепь	Конт.
+3.3V	1
SWDIO	2
SWCLK	3
TX	4
GND	5

"Debug"

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