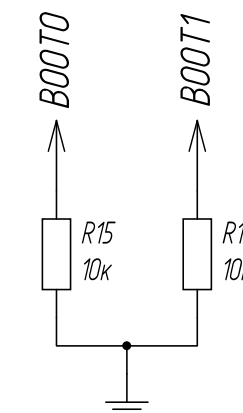
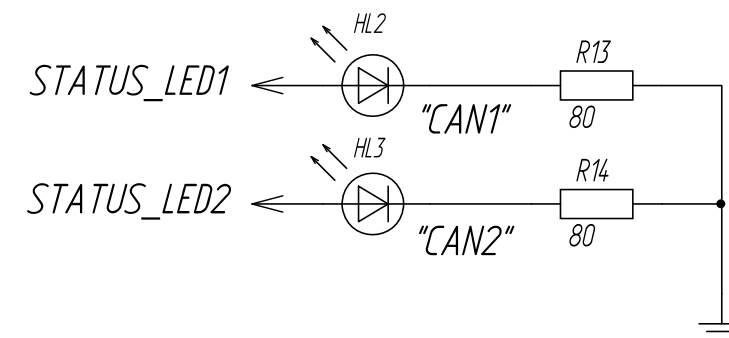
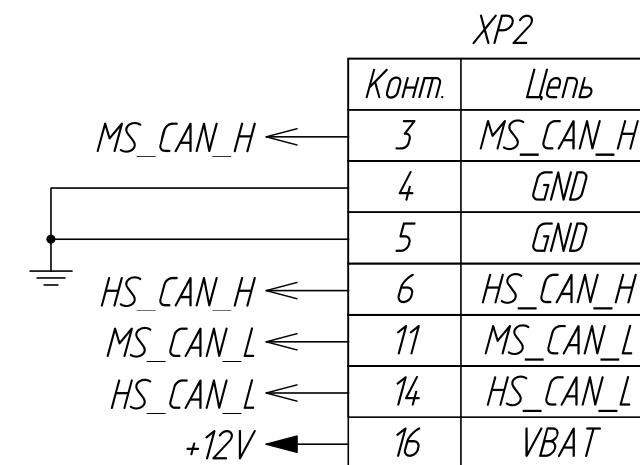
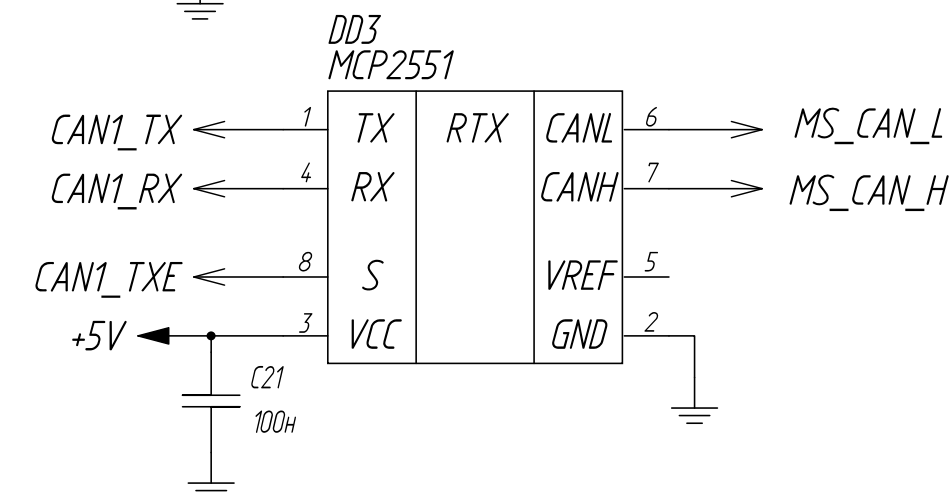
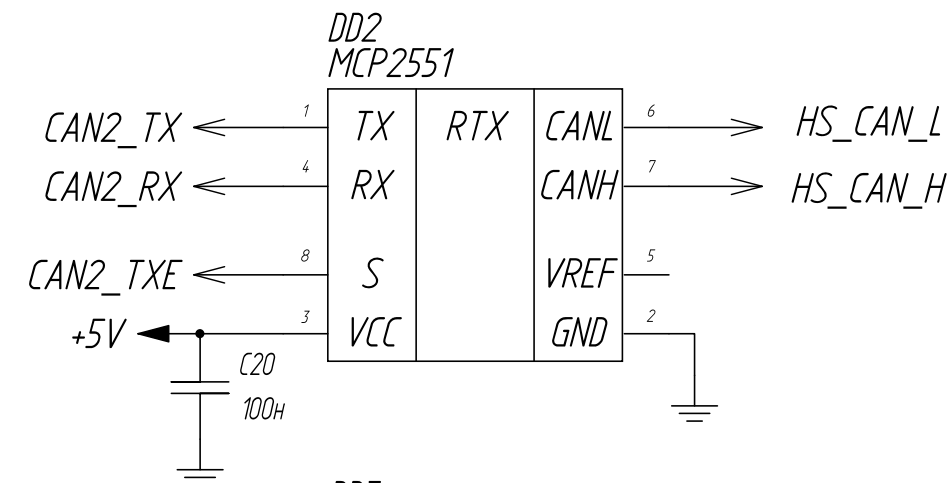
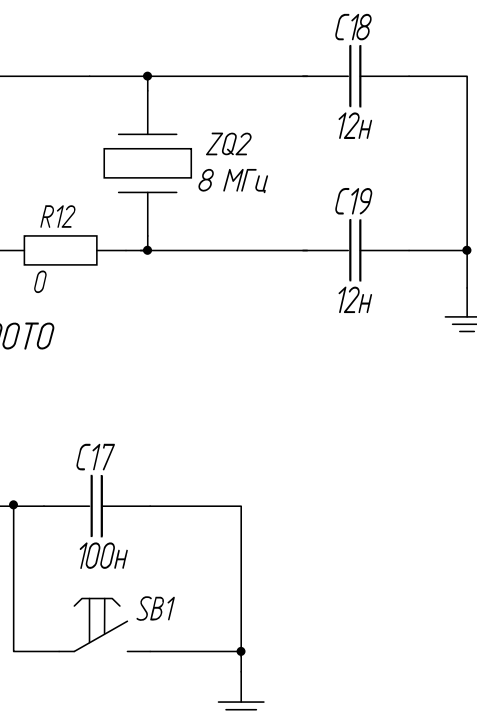
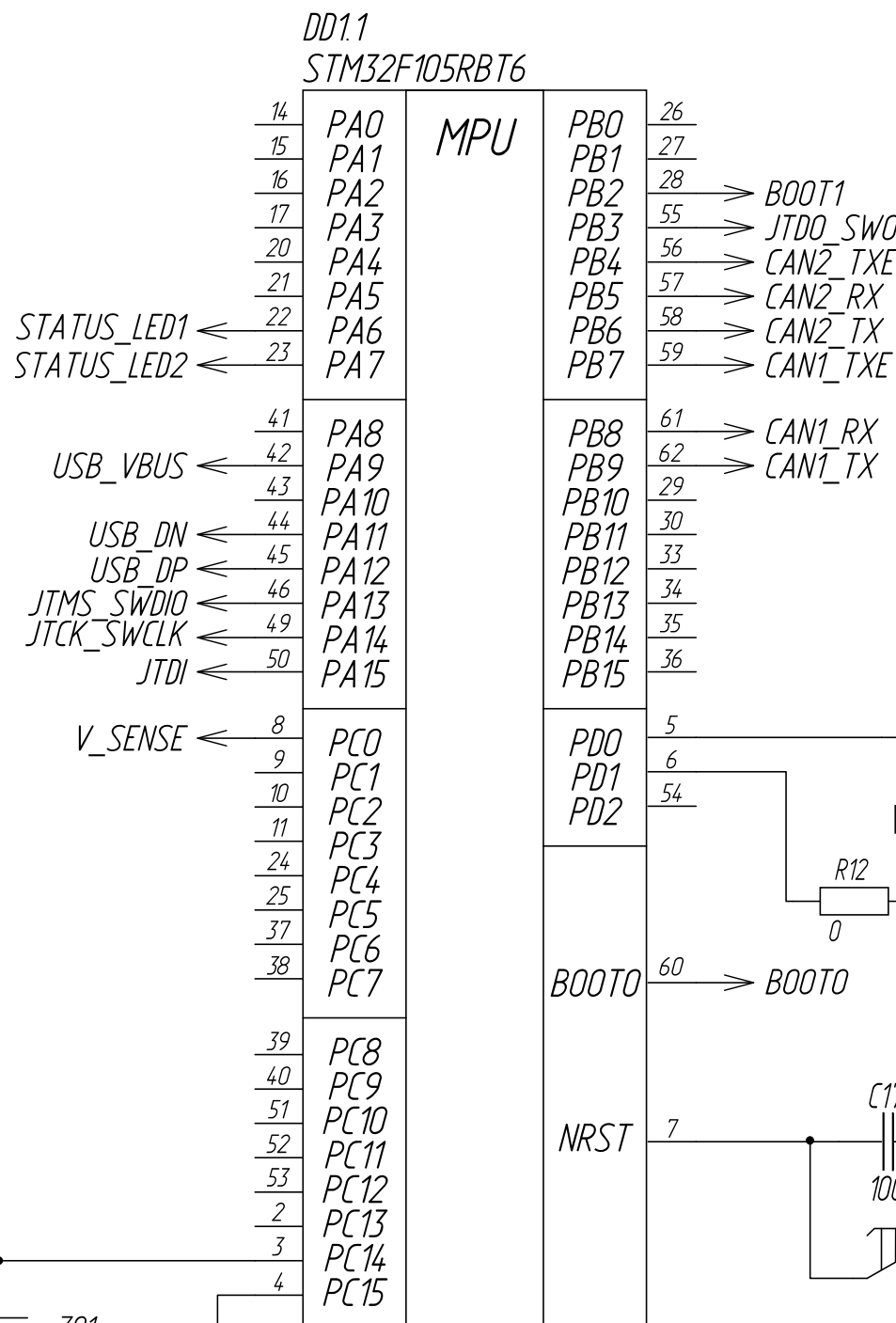
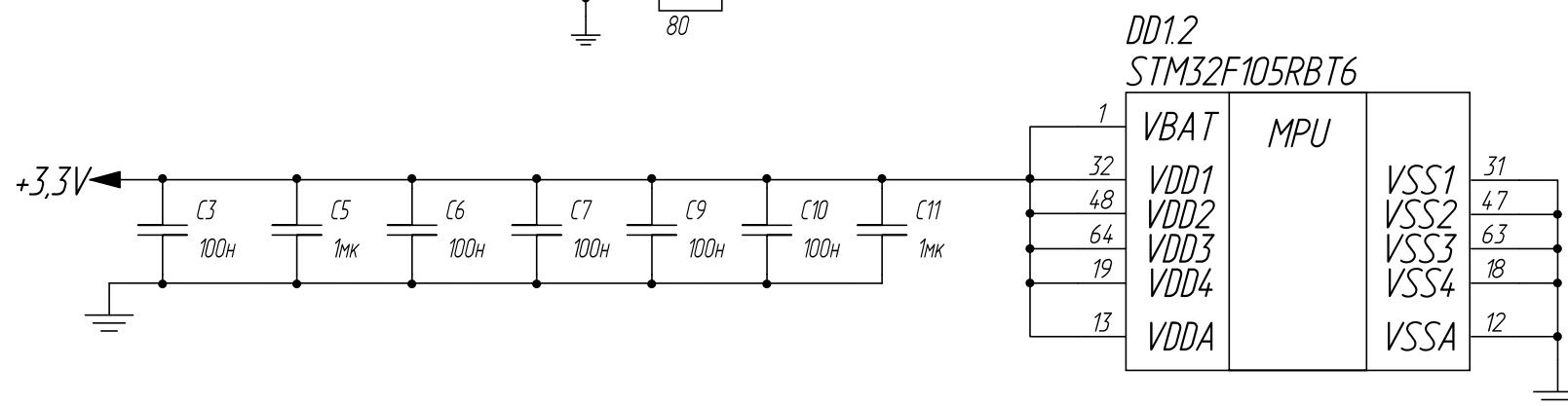
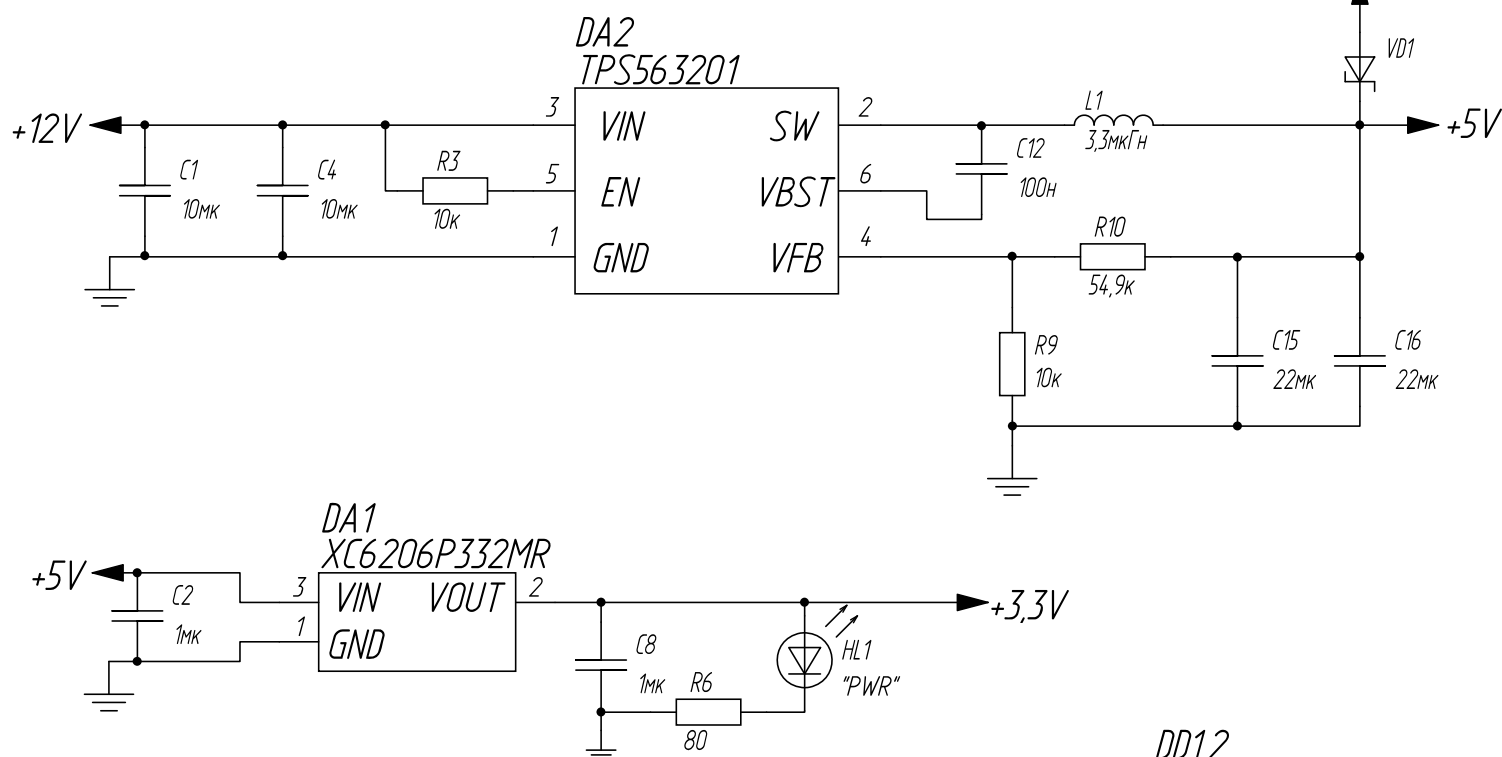
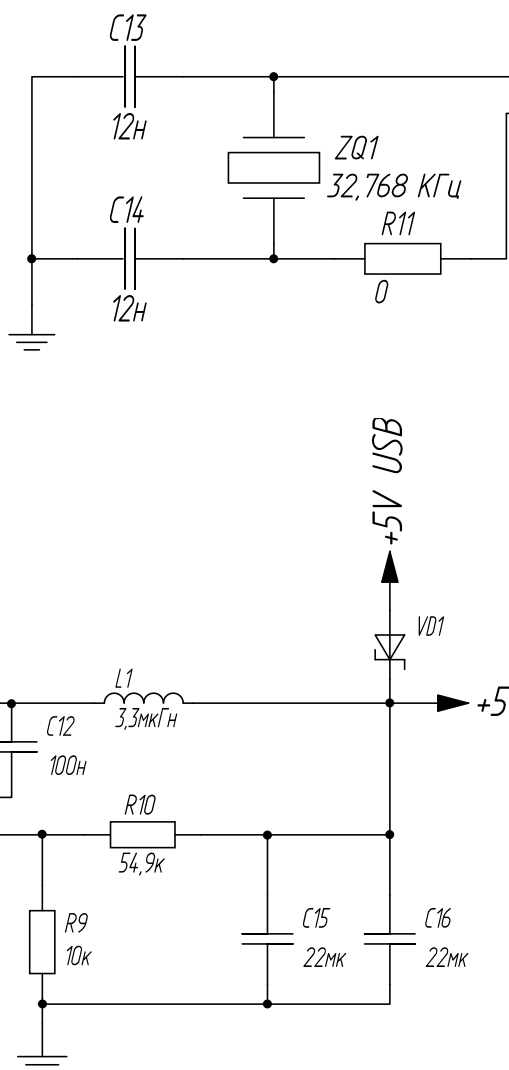
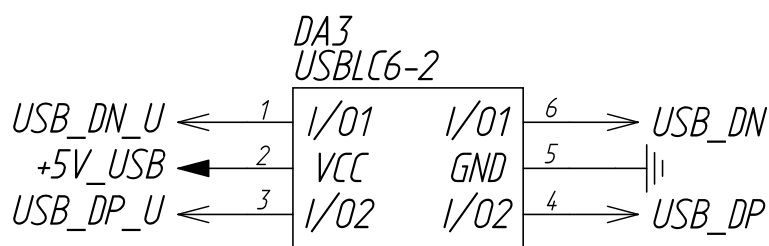
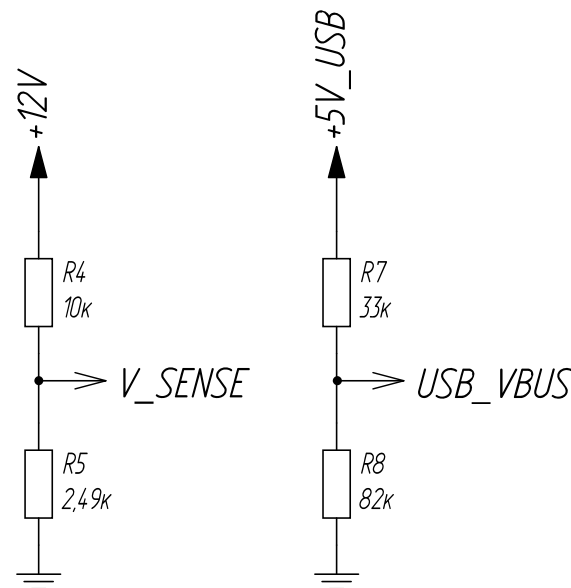


- ▶ +3.3V
- JTMS SWDIO
- JTCK SWCLK
- JTDI
- JTDO SWO

The diagrams show two circuit configurations for connecting a USB DP or DN line to a microcontroller:

- Top Diagram (DP connection):** A microcontroller pin is connected to a resistor labeled  $R1$  (5.1k). The other end of the resistor is connected to a ground symbol. The pin is labeled  $+5V\ USB$ . Below the pin, the text  $USB\ DN\ U$  and  $USB\ DP\ U$  is shown.
- Bottom Diagram (DN connection):** A microcontroller pin is connected to a resistor labeled  $R2$  (5.1k). The other end of the resistor is connected to a ground symbol. The pin is labeled  $+5V\ USB$ . Below the pin, the text  $USB\ DN\ U$  and  $USB\ DP\ U$  is shown.



						Адаптер автомобильных диагностических шин					
						Схема электрическая принципиальная			Лист	Масса	Масштаб
Изм	Лист	№ докум.	Подпись	Дата							
Разраб.		Маркин М.А.									
Провер.		Ибрагимов С.В.									
Т. контр.											
Реценз.									Лист	Листов	1
Н. контр.									МГТУ им. Н.Э. Баумана		
Утверд									Группа ИУ6-74Б		