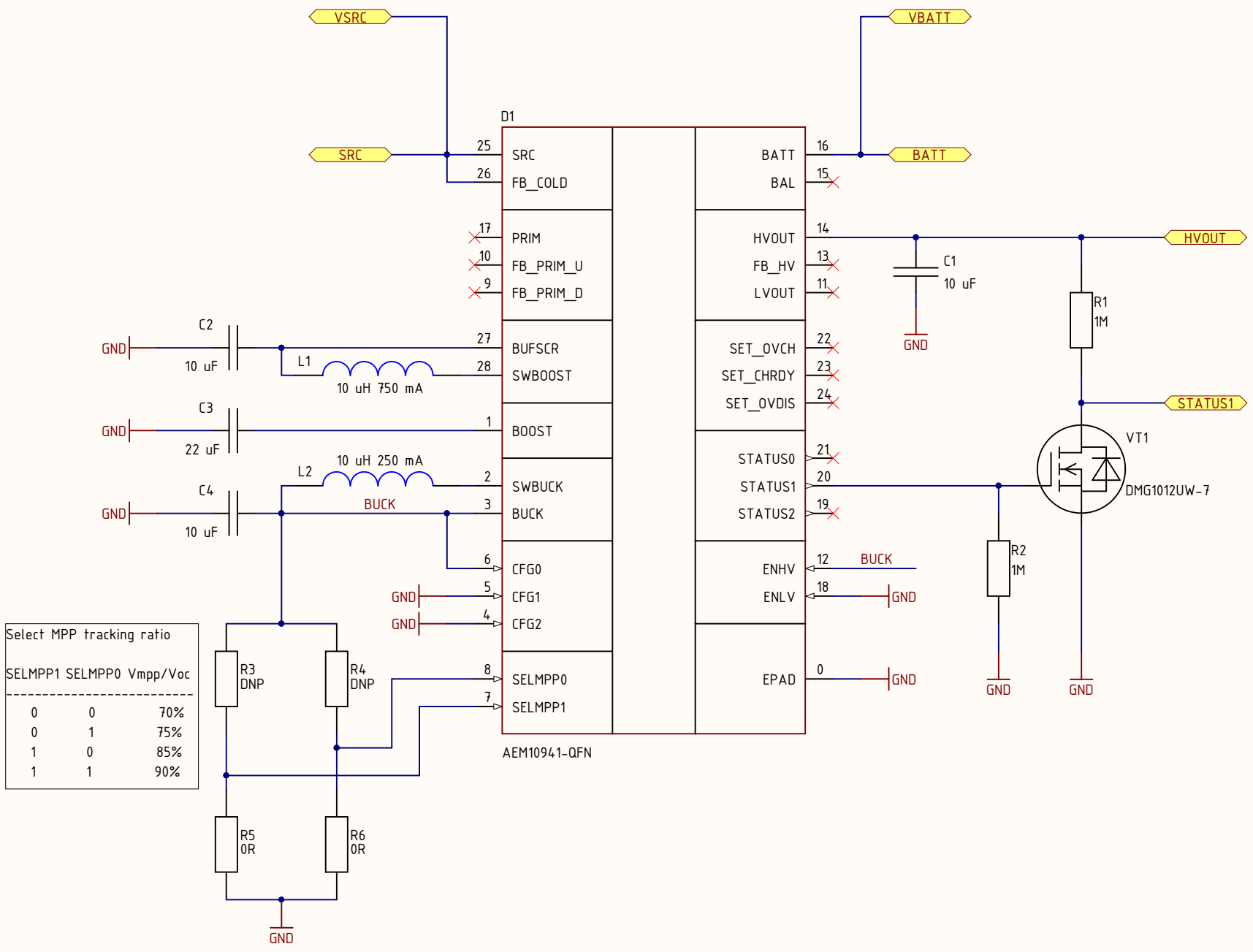
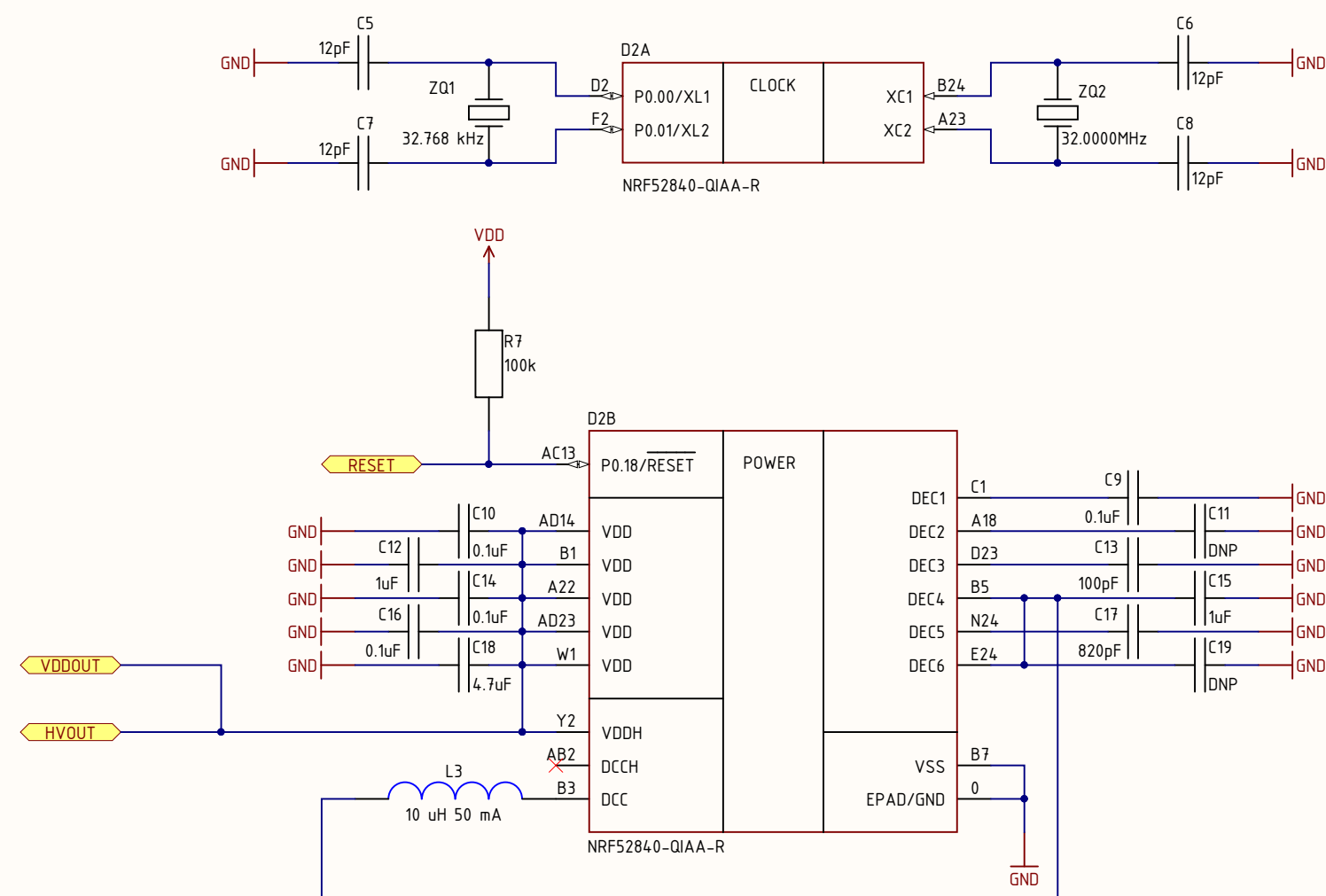


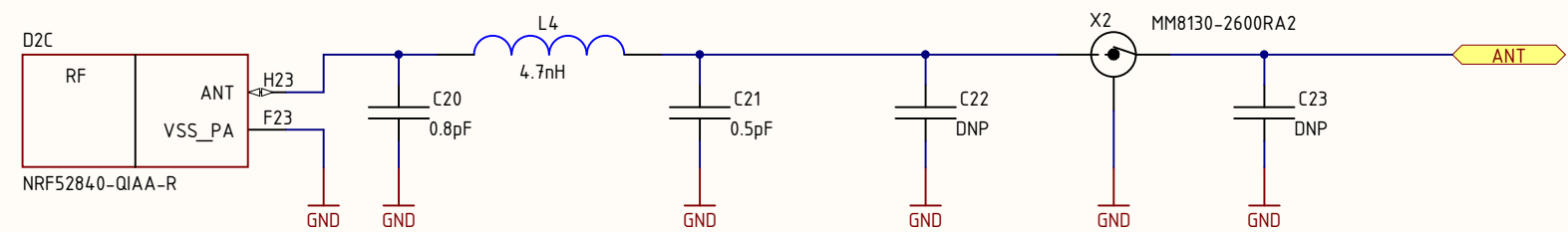
Author	Shpakov Dmitry	00_Main_Design.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	1		
Total pages	13	Схема электрическая принципиальная	Rev1
Size page	A3		
Materials			



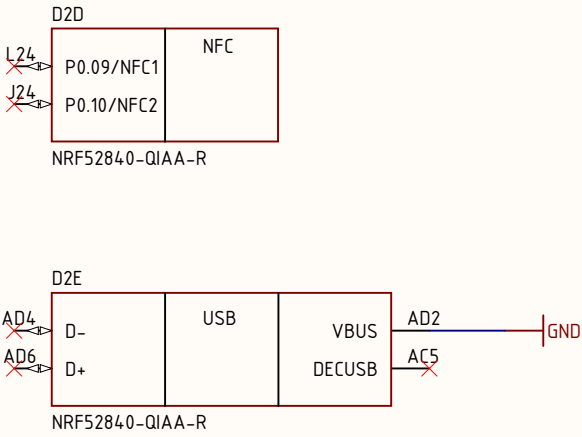
Author	Shpakov Dmitry	01_MPPT_controller.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	2	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



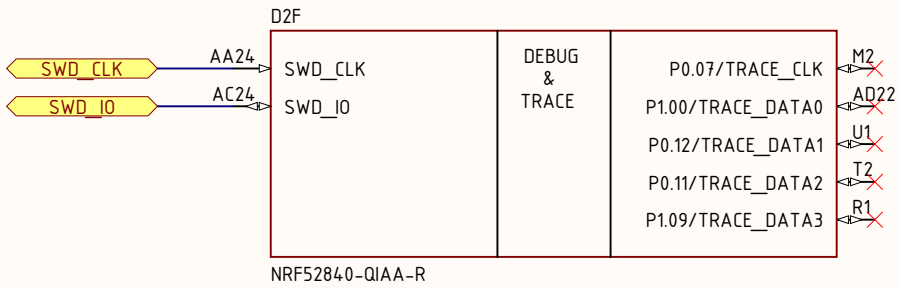
Author	Shpakov Dmitry	02_nRF52840_power_clock.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	3		
Total pages	13	Схема электрическая принципиальная	Rev1
Size page	A3		
Materials			



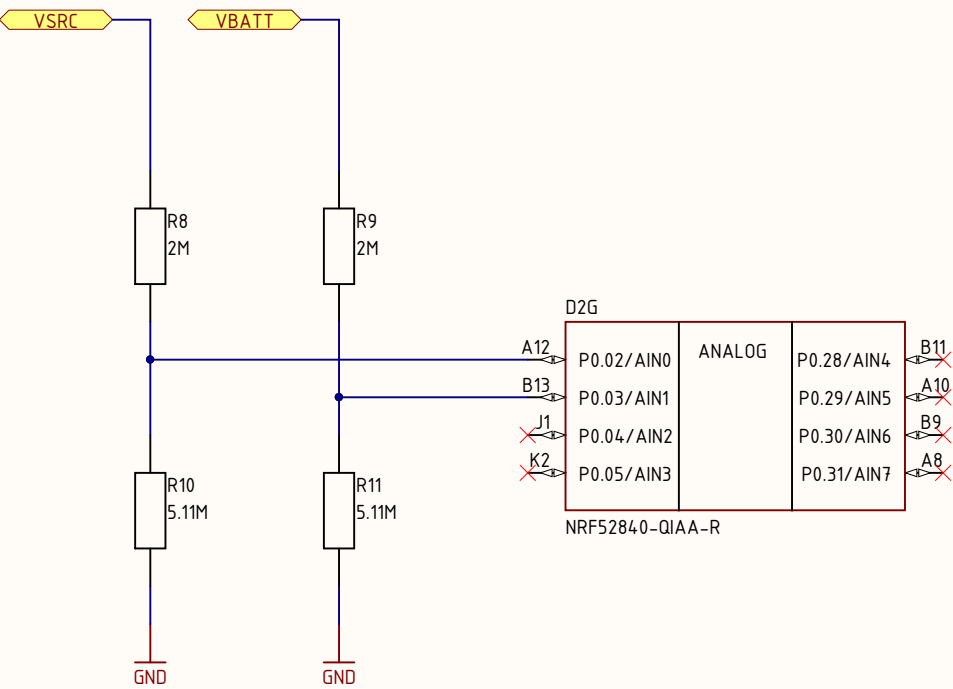
Author	Shpakov Dmitry	03_nRF52840_RF.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	4		
Total pages	13	Схема электрическая принципиальная	Rev1
Size page	A3		
Materials			



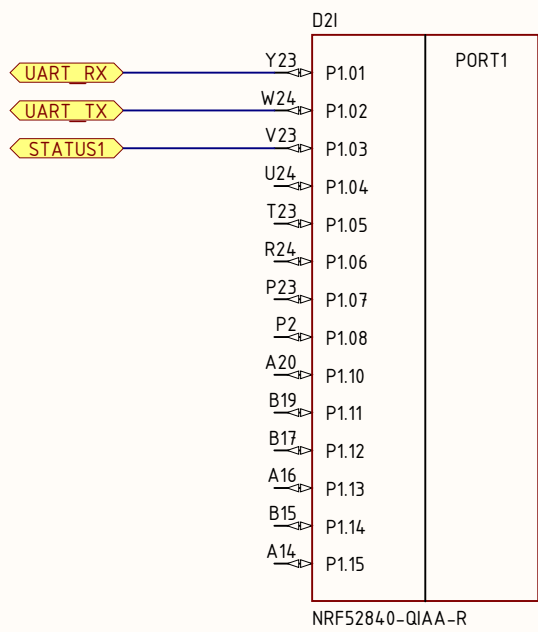
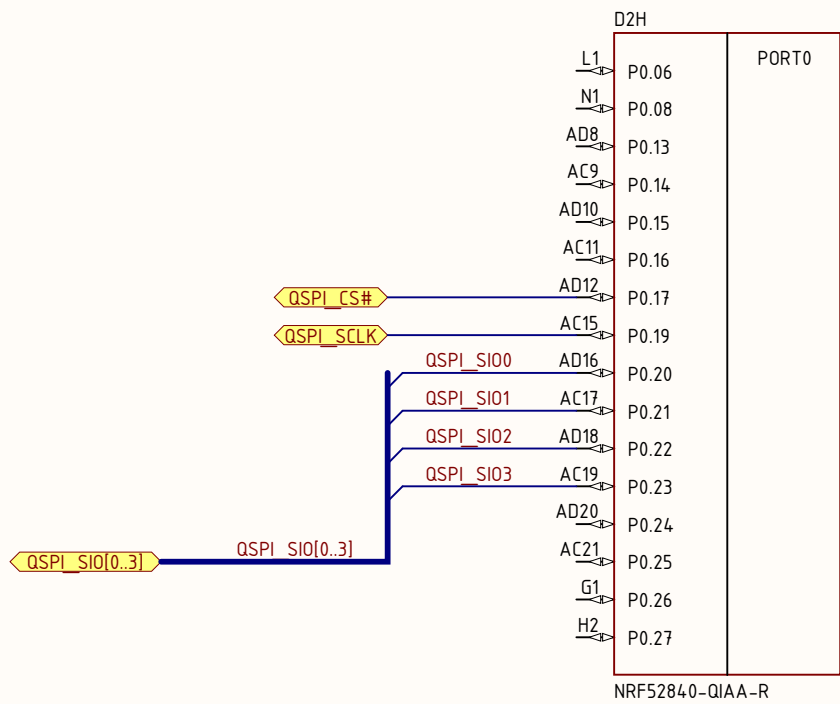
Author	Shpakov Dmitry	04_nRF52840_NFC_USB.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	5	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



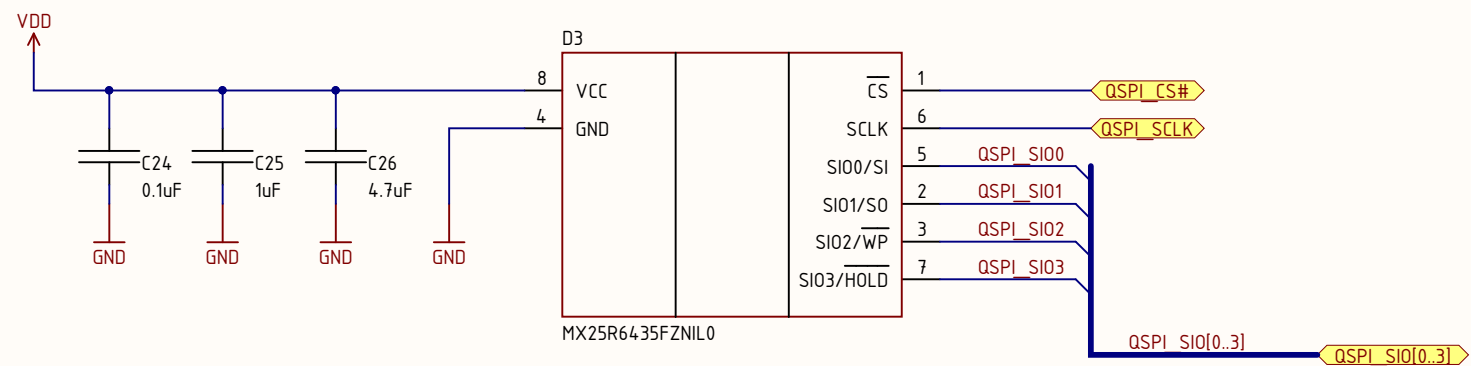
Author	Shpakov Dmitry	05_nRF52840_Debug_and_Trace.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	6	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



Author	Shpakov Dmitry	06_nRF52840_Analog.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	7		
Total pages	13	Схема электрическая принципиальная	Rev1
Size page	A3		
Materials			



Author	Shpakov Dmitry	07_nRF52840_Digital.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	8	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			

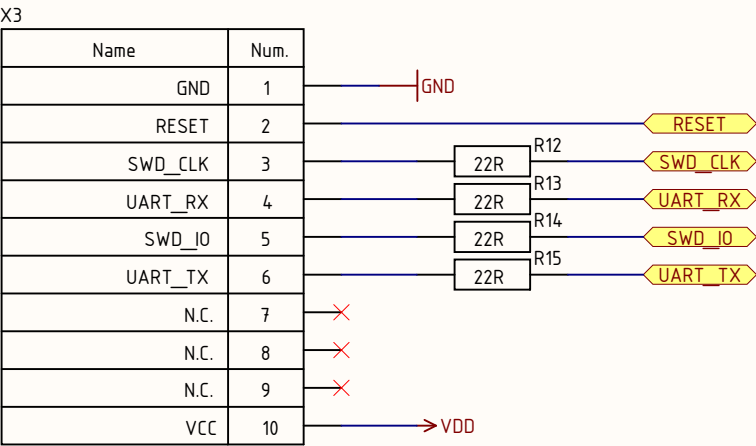


Author	Shpakov Dmitry	08_QSPI_64Mbit_Flash_Memory.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	9	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



PCB antenna to be designed.
Simulations needed.
Simulations will be done when
PCB will be routed.

Author	Shpakov Dmitry	09_Antenna.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	10	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



"Program connector. Ver.1"

Author	Shpakov Dmitry	10_Program_and_Debug_interface.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	11	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			

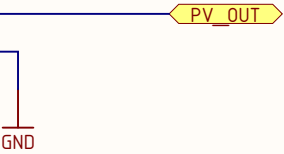
X1

Name	Num.
SolPWR+	1
SolPWR-	2

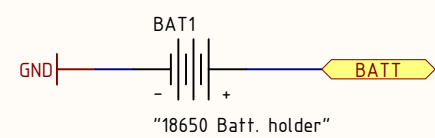
"Connector"

It will be good to add overvoltage and overcurrent protection for 5V and 110mA maximal values.

But at this moment it is hard to find any low power circuit protection solution.



Author	Shpakov Dmitry	11_Photovoltaic_input.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	12	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			



Author	Shpakov Dmitry	12_Energy_storage.SchDoc	Node01.PrjPcb
Date			
Manufacturer			
Page	13	Схема электрическая принципиальная	Rev1
Total pages	13		
Size page	A3		
Materials			