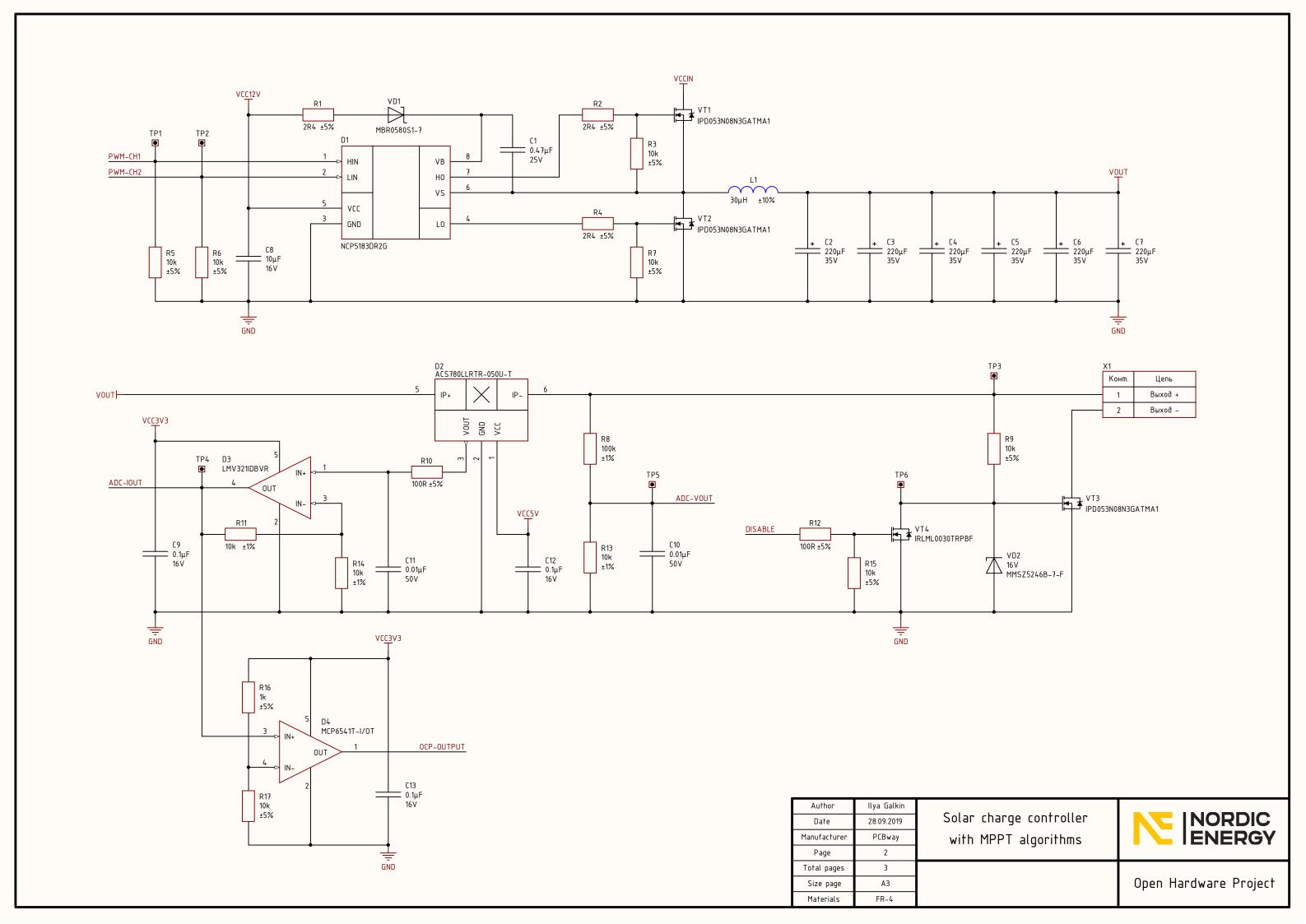
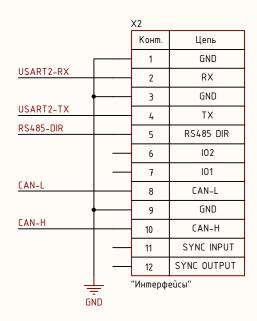
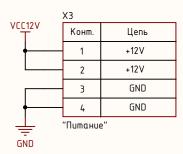


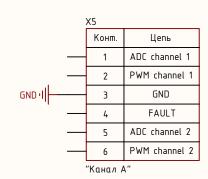
Author	Ilya Galkin		
Date	28.09.2019	Solar charge controller	INORDIC
Manufacturer	PCBway	with MPPT algorithms	
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Materials	FR-4		







	X4					
	Конт.	Цепь				
CAN-H	1	CAN-H				
CAN-L	2	CAN-L				
	"CAN bus"					



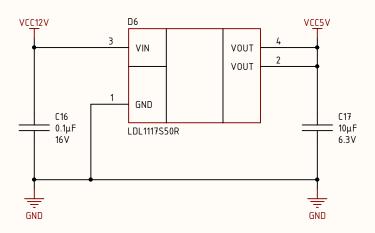
ADC-IOUT  PWM-CH1  1 ADC channel 1  2 PWM channel 1  GND I 3 GND  FAULT  ADC-VOUT  4 FAULT  ADC-VOUT  5 ADC channel 2		X6	
1   ADC channel 1		Конт.	Цепь
2   PWM channel 1		1	ADC channel 1
## FAULT 4 FAULT ADC-VOUT 5 ADC channel 2	PWM-CH1	2	PWM channel 1
ADC-VOUT 5 ADC channel 2		3	GND
PWM_CH2 5 ADL channel 2		4	FAULT
PWM_CH2	-	5	ADC channel 2
6 PWM channel 2	PWM-CH2	6	PWM channel 2

	Конт.	Цепь		
ADC-IOUT	1	ADC channel 1		
PWM-CH1	2	PWM channel 1		
GND •	3	GND		
ADC-VOUT	4	FAULT		
	5	ADC channel 2		
PWM-CH2	6	PWM channel 2		
	"Канал В"			

	X7	
	Конт.	Цепь
ADC-IIN	1	ADC channel 1
DISABLE	2	PWM channel 1
GND ·I	3	GND
· —	4	FAULT
ADC-VIN	5	ADC channel 2
	6	PWM channel 2
	"Канал (	

	X8	
	Конт.	Цепь
-	1	ADC channel 1
-	2	PWM channel '
GND (	3	GND
-	4	FAULT
_	5	ADC channel 2
-	6	PWM channel 2
	"Канал [	)"

VC <u>C1</u> 2V		D5			i	VC <u>C</u>	<u>3</u> V3
	3	VIN		VOUT	4	_	
		****		VOUT	2	•	
C1/	1	GND					C1E
C14 0.1µF 16V		LDL1117S.	1 33R				C15 10μF 6.3V
= GND						GN	<del>-</del> ID



RS485-DIR R18 100R ±5%	]							
USART2-RX R19 100R ±5%  USART2-TX R20 100R ±5%	D7  1	VCC PB GND 5	VCC5V  C18  0.1μF 16V	R21 120R ±5%	2 -	RS485-A RS485-B VD3 SZNUP2105LT1G 24V	X9 KOHM.  1 2 "Modbus F	Цепь А В
			— GND					Autt Dat

Author Date Manufacturer Page	Ilya Galkin 28.09.2019 PCBway	Solar charge controller with MPPT algorithms	INORDIC
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