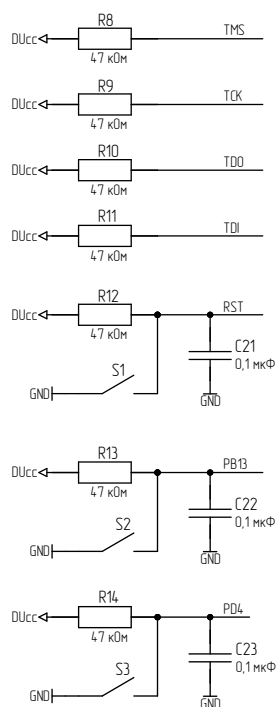
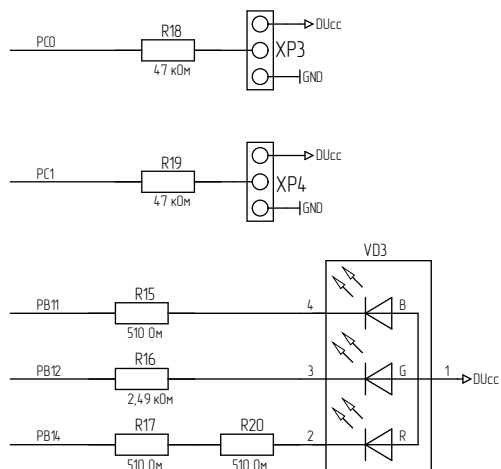


X2		
Цепь	Конт.	
	1	→ DVcc
	2	TMS
	3	→ GND
	4	TCK
	5	→ GND
	6	TDO
	7	—
	8	TDI
	9	→ GND
	10	RST
	11	—
	12	—
	13	—
	14	—
	15	→ GND
	16	—
	17	→ GND
	18	—
	19	→ GND
	20	—



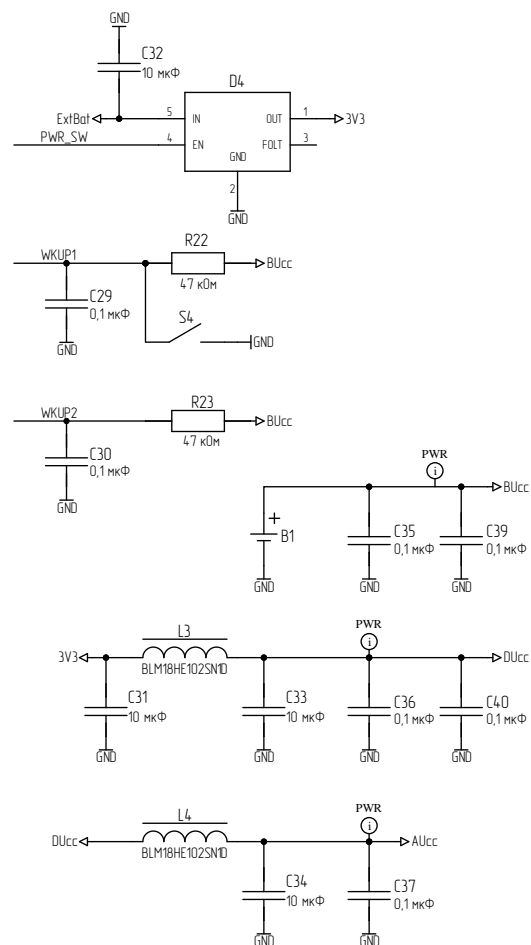
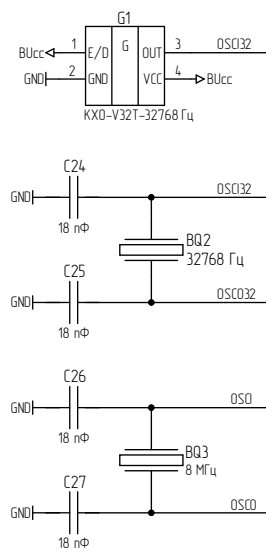
D3.1						
PA0	41	PA0	CPU	PC0	51	PC0
PA1	40	PA1		PC1	52	PC1
PA2	39	PA2		PC2	53	PC2
PA3	38	PA3		PC3	54	PC3
PA4	37	PA4		PC4	55	PC4
PA5	36	PA5		PC5	56	PC5
TCK	29	PA6		PC6	57	PC6
TDO	34	PA7		PC7	58	PC7
TMS	26	PA8				
TDI	32	PA9		PD0	18	PD0
PA10	31	PA10		PD1	19	PD1
PA11	30	PA11		PD2	20	PD2
PA12	35	PA12		PD3	21	PD3
PA13	28	PA13		PD4	22	PD4
PA14	27	PA14		PD5	44	PD5
PA15	33	PA15	PD6	43	PD6	
			PD7	42	PD7	
PB0	3	PB0	PD8	25	PD8	
PB1	4	PB1	PD9	24	PD9	
PB2	5	PB2	PD10	23	PD10	
PB3	6	PB3	PD11	45	PD11	
PB4	7	PB4	PD12	46	PD12	
PB5	8	PB5	PD13	47	PD13	
PB6	9	PB6	PD14	48	PD14	
PB7	10	PB7	PD15	49	PD15	
PB8	12	PB8				
PB9	11	PB9	JTAGEN	60	GND	
PB10	13	PB10	RESET	59	RST	
PB11	14	PB11				
PB12	15	PB12				
PB13	16	PB13				
PB14	17	PB14				

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D32					
OSC32	67	OSC32	IOP	69	IOP
OSC32	66	OSC32	ION	70	ION
			VOP	71	VOP
OSO	87	OSO	VON	72	VON
OSCO	88	OSCO	IP	73	IP
			IN	74	IN
			VP	75	VP
WKUP1	63	WKUP1	VIN	76	VIN
WKUP2	62	WKUP2	I2P	77	I2P
BUcc	61	WKUP3	I2N	78	I2N
PWR_SW	64	SW	V2P	79	V2P
			V2N	80	V2N
BUcc	65	BUcc	I3P	81	I3P
DUcc	50	Ucc	I3N	82	I3N
DUcc	1	Ucc	Vref	83	C28
AUcc	68	AUcc			0,1 мкФ
GND	2	GND	SAR_IN1	84	AIN1
GND		Exp	SAR_IN2	85	AIN2
			SAR_IN3	86	AIN3

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3V3

R21
47 кОм

PA12

PA15

3V3

PA13

GND

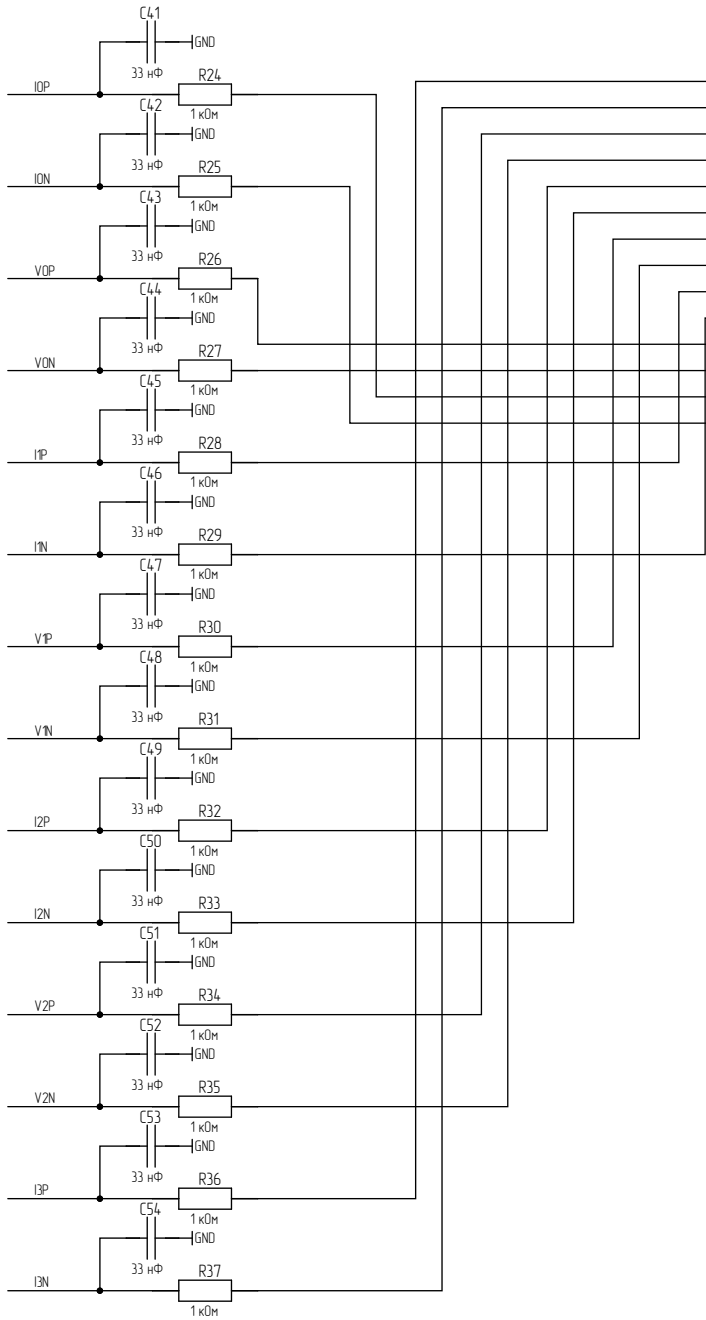
PA14

X3	
Комп.	Цепь
1	D2
2	CD/D3
3	CMD
4	Vdd
5	CLK
6	GND
7	DO
8	D1

3V3

C38
0,1 мкФ

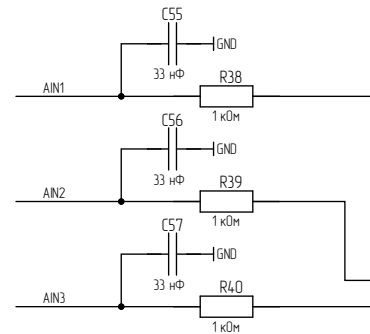
GND



X4	
Конм.	Цепь
GND	1
GND	2
3V3	3
3V3	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
GND	19
GND	20
GND	21
GND	22
GND	23
GND	24
GND	25
GND	26
3V3	27
3V3	28
PC5	29
PC4	30
PC3	31
PC2	32
PC1	33
PC0	34
PD6	35
PD7	36
PD5	37
GND	38
5V0	39
5V0	40

X5	
Конм.	Цепь
PD3	1
PD10	2
PD11	3
PD14	4
GND	5
3V3	6
PD12	7
PD15	8
PD9	9
PD8	10
GND	11
3V3	12

X6	
Конм.	Цепь
PA0	1
PA3	2
PA2	3
PA1	4
GND	5
3V3	6
PA4	7
PA5	8
PA10	9
PA11	10
GND	11
3V3	12



X8	
Конм.	Цепь
PB10	1
	2
	3
GND	4
PD1	5
PD2	6
PD3	7
PD0	8
PB8	9
PB9	10

X9	
Конм.	Цепь
PB7	1
PB6	2
PB5	3
PB4	4
PB3	5
PB2	6
PB0	7
PB1	8

X10	
Конм.	Цепь
WKUP2	1
	2
	3
3V3	4
5V0	5
GND	6
GND	7
ExtBat	8

X7	
Конм.	Цепь
	1
	2
	3
	4
PC7	5
PC6	6