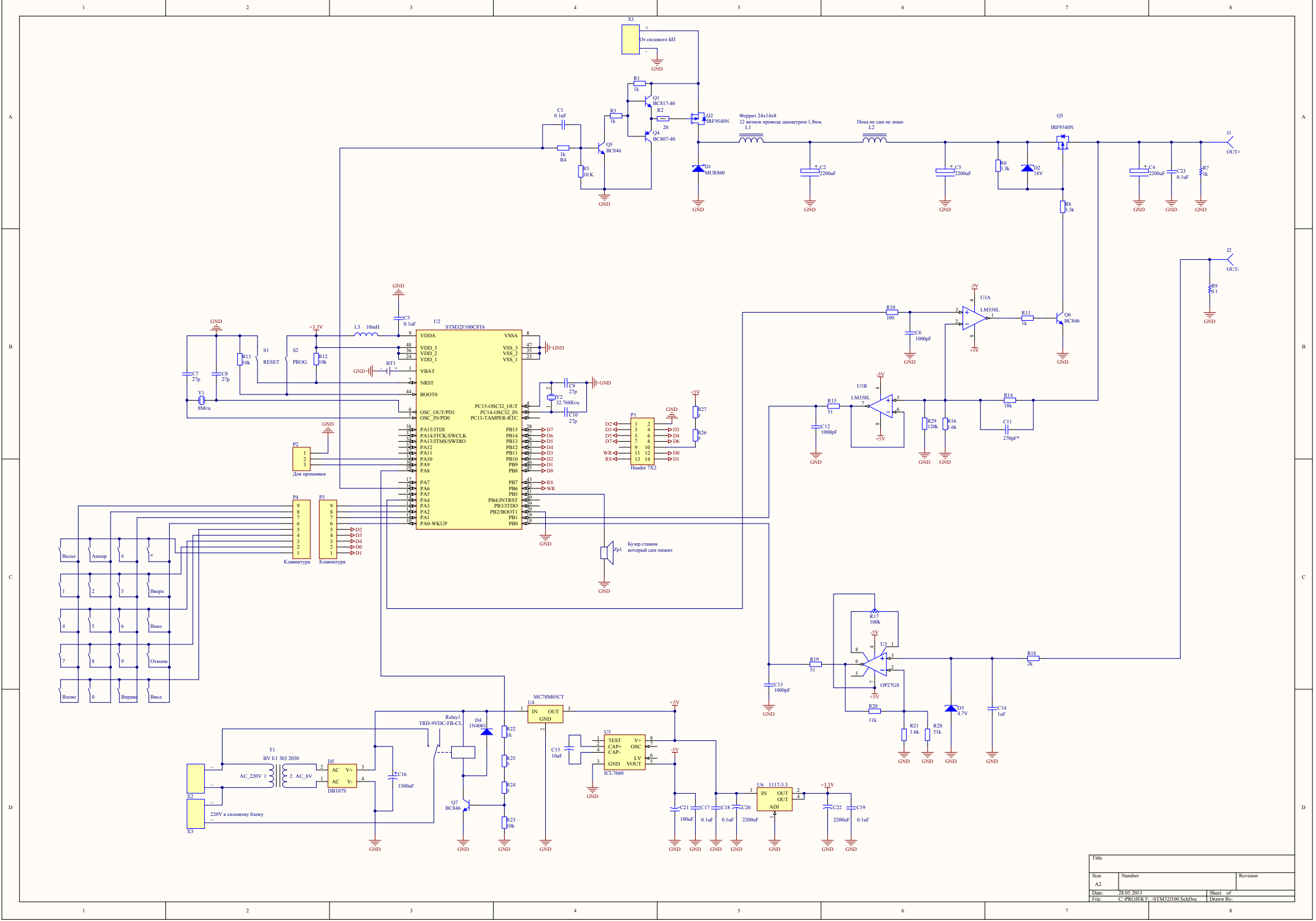




Title		
Size	Number	Revision
A2		
Date:	28.05.2017	Sheet: 02
Title:	C:\PROJEKT\STM32100\SchDoc	

Comment	Description	Designator	Footprint	LibRef	Quantity
=>?: 0		#, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, S1, S2, <?5@ 25@E 2>4 ; 52? =8? >; LB ?@02? B<5=0	=>?: 0	=>?: 0	22
		BT1	BT2	Component_1	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C1, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C17, C18, C19, C23	C0805 - wa	Cap Semi	15
Cap polar_1	Capacitor (Model Sergeev)	C2, C3, C4	LZ 18:5x36 4700 <; \$ X 35	Cap polar_1	3
	Capacitor	C15, C20, C21, C22	CAPR5-4X5	Cap2	4
	Polarized Capacitor (Radial)	C16	RB7.6-15	Cap Pol1	1
MUR860	Schottky Rectifier	D1	TO-220AC	Diode 18TQ045	1
18V	Tunnel Diode - RLC Model	D2	3.2X1.6X1.1	D Tunnel1	1
4.7V	Tunnel Diode - RLC Model	D3	3.2X1.6X1.1	D Tunnel1	1
1N4001	1 Amp General Purpose Rectifier	D4	DO-41	Diode 1N4001	1
DB107S	Diode Bridge 1A, 1000V, SMD	D5	DB-1S	Bridge2	1
OUT+		J1	pin	pin	1
OUT-		J2	pin	pin	1
L7		L1	30x10	@A5; L	1
L7		L2	20x10	@A5; L	1
Inductor	Inductor	L3	2029	Inductor	1
Header 7X2	Header, 7-Pin, Dual row	P1	HDR2X7	Header 7X2	1
; 0?@H82: 8	Header, 3-Pin	P2	HDR1X3	Header 3	1
; 0280B@	Header, 9-Pin	P3, P4	HDR1X9	Header 9	2
BC817-40	NPN General-purpose Transistor	Q1	SOT23_N	BC817-40	1
IRF9540N	HEXFET Power MOSFET	Q2, Q3	TO-220AB	IRF9540N	2
BC807-40	PNP General-purpose Transistor	Q4	SOT23_N	BC807-40	1
BC846	NPN General-purpose Transistor	Q5, Q6, Q7	SOT23_N	BC846	3
Resistor 0805		R1, R3, R4, R5, R6, R8, R10, R11, R12, R13, R14, R15, R16, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29	2012[0805] - wa	Resistor 0805	25
Res 0.5W	Resistor 0.5W	R2	OMLT 0.5W	Res2 0.5W	1
1k	Metal Oxide Film Resistor, 0.1 Ohm to 100k Ohm Range, 2% and 5% Tolerance, 2 W	R7	R12x4	ERG2	1
0.1	Metal (Oxide) Film Fuse Resistor, Axial Leads, 0.33 Ohm to 3.3k Ohm Range, 5% and 10% Tolerance, 3 W	R9	R22x9.5	ERQ3C	1
100k		R17	10x10	>4AB@5G-8:	1
Component_1		Relay1	15x19	Component_1	1
BV E1 303 2030		T1	33x27	Component_1	1
LM358L	Low-Cost, 300 MHz, Rail-to-Rail Amplifier	U1	SO-8_N	AD8062AR	1
STM32F100C8T6	32-bit ARM-based 32-bit MCU with 128 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U2	LQFP48_N	STM32F103C8T6	1
OP27GS	Low-Noise, Precision Operational Amplifier	U3	SO-8_N	OP27GS	1
MC78M05CT	Three-Terminal Medium Current Positive Voltage Regulator	U4	221A-09	MC78M05CT	1
ICL7660	CMOS Voltage Converter	U5	NSO8_N	ICL7662CBA	1
	Three-Terminal Adjustable Output Positive Voltage Regulator	U6	318E-04	LM317MBSTT3	1
Component_1		X1, X2, X3	2pin	Component_1	3
8 3F		Y1	20@F	20@F	1
32.768 3F	Crystal Oscillator	Y2	R38	XTAL	1
Zp		Zp1	B1	Beep	1