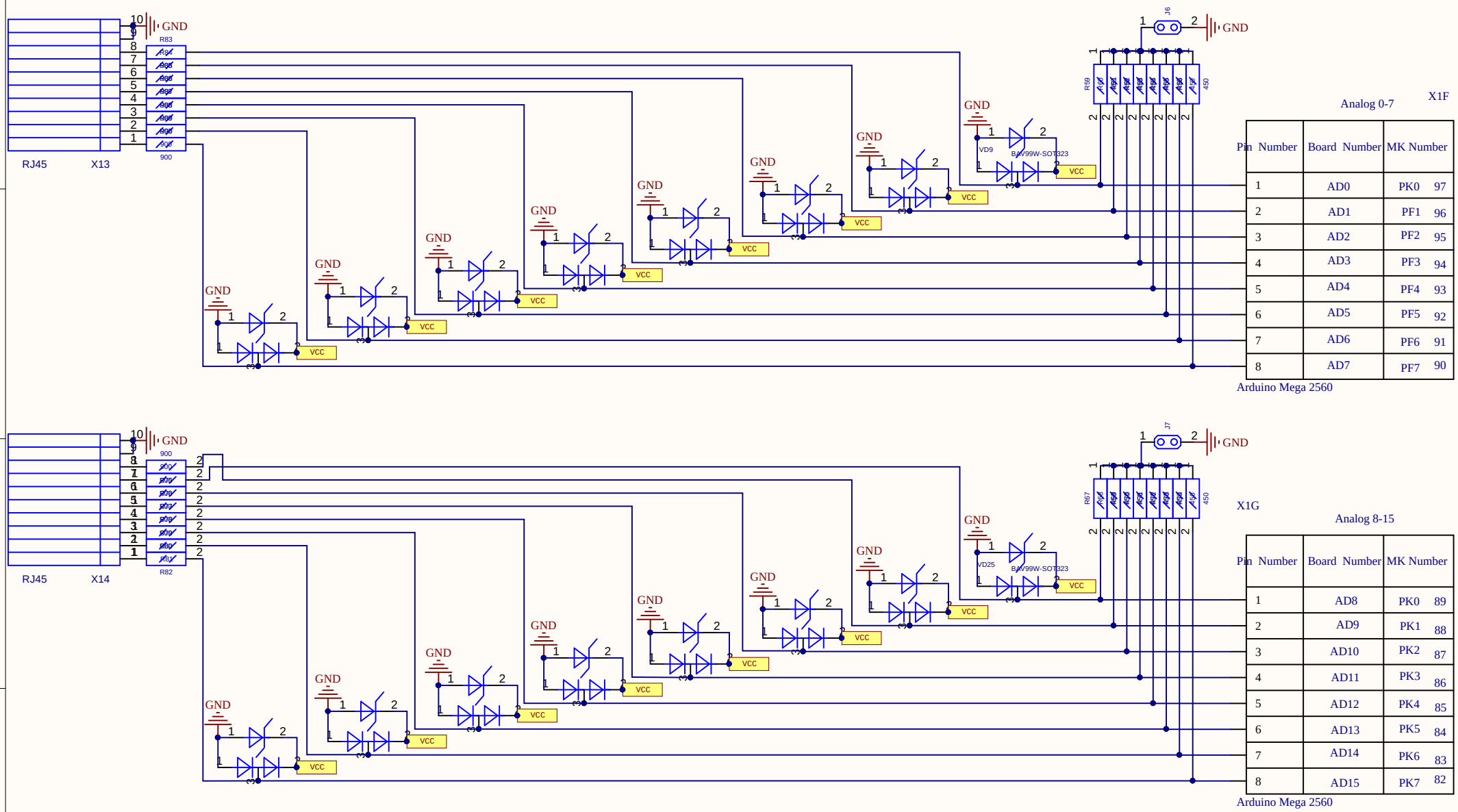

Pin Number	Board Number	MK Number
1	AD0	PK0 97
2	AD1	PF1 96
3	AD2	PF2 95
4	AD3	PF3 94
5	AD4	PF4 93
6	AD5	PF5 92
7	AD6	PF6 91
8	AD7	PF7 90

Pin Number	Board Number	MK Number
1	AD8	PK0 89
2	AD9	PK1 88
3	AD10	PK2 87
4	AD11	PK3 86
5	AD12	PK4 85
6	AD13	PK5 84
7	AD14	PK6 83
8	AD15	PK7 82

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File: C:\Users\ymaxa\Desktop\готовые проекты\LightHub\Analog Inputs.SchDoc		

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Frenchs Forest
NSW
Australia 2086

ARDUINO MEGA PIN

X1B
PWL

MK Number	Board Number	Pin Number	
2 RX0	0	1	
3 TX0	1	2	
6 PWM	2	3	PE4
7 PWM	3	4	PE5
1 PWM	4	5	PG5 PG5
5 PWM	5	6	PE3 PE3
15 PWM	6	7	PH3 PH3
16 PWM	JP6 7	8	PH4 PH4

X1B
Arduino Mega 2560

X1C

MK Number	Board Number	Pin Number	
SCL	-	1	
SDA	-	2	
AREF	-	3	AREF
GND	-	4	
26 PWM	13	5	PB7
25 PWM	12	6	PB6
24 PWM	11	7	PB5
23 PWM	10	8	SCSn PB4
18 PWM	9	9	PH6
17 PWM	8	10	PH5

X1C
Arduino Mega 2560

X1D
COMMUNICATION

MK Number	Board Number	Pin Number	
43 SCL	21	1	SCL
44 SDA	20	2	SDA
45 RX1	19	3	RXD1
46 TX1	18	4	TXD1
12 RX2	17	5	RXD2
13 TX2	16	6	TXD2
63 RX3	15	7	RXD3
64 TX3	14	8	TXD3

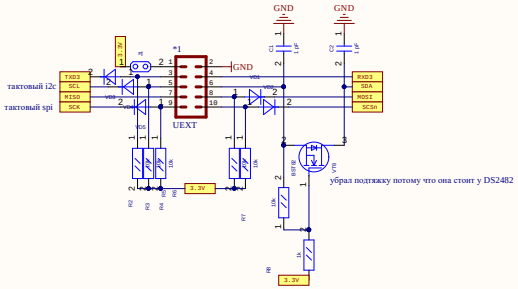
X1D
Arduino Mega 2560

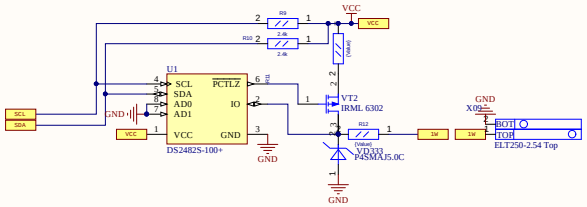
X1A

MK Number	Board Number	Pin Number	
+5V		1	
+5V		2	
78 PA0	22	3	PA0
77 PA1	23	4	PA1
76 PA2	24	5	PA2
75 PA3	25	6	PA3
74 PA4	26	7	PA4
73 PA5	27	8	PA5
72 PA6	28	9	PA6
71 PA7	29	10	PA7
60 PC7	30	11	PC7
59 PC6	31	12	PC6
58 PC5	32	13	PC5
57 PC4	33	14	PC4
56 PC3	34	15	PC3
55 PC2	35	16	PC2
54 PC1	36	17	PC1
53 PC0	37	18	PC0
50 PD7	38	19	PD7
70 PG2	39	20	PG2
52 PG1	40	21	PG1
51 PG0	41	22	PG0
42 PL7	42	23	PL7
43 PL6	43	24	PL6
44 PL5	44	25	PL5
45 PL4	45	26	PL4
46 PL3	46	27	PL3
47 PL2	47	28	PL2
48 PL1	48	29	PL1
49 PL0	49	30	PL0
22 PB3	50	31	(MISO)
21 PB2	51	32	(MOSI)
20 PB1	52	33	(SCK)
19 PB0	53	34	(SS)
GND	54	35	
GND	55	36	

X1A
Arduino Mega 2560

X10

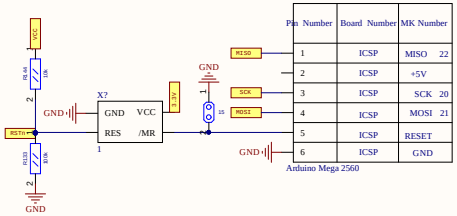




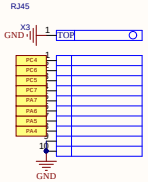
X1E
ICSP

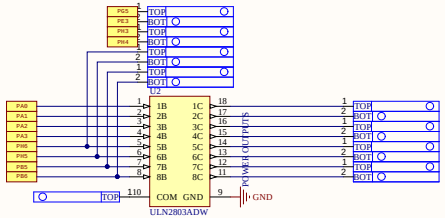
Pin Number	Board Number	MK Number
1	ICSP	MISO 22
2	ICSP	+5V
3	ICSP	SCK 20
4	ICSP	MOSI 21
5	ICSP	RESET
6	ICSP	GND

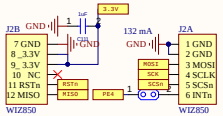
Arduino Mega 2560



RJ45







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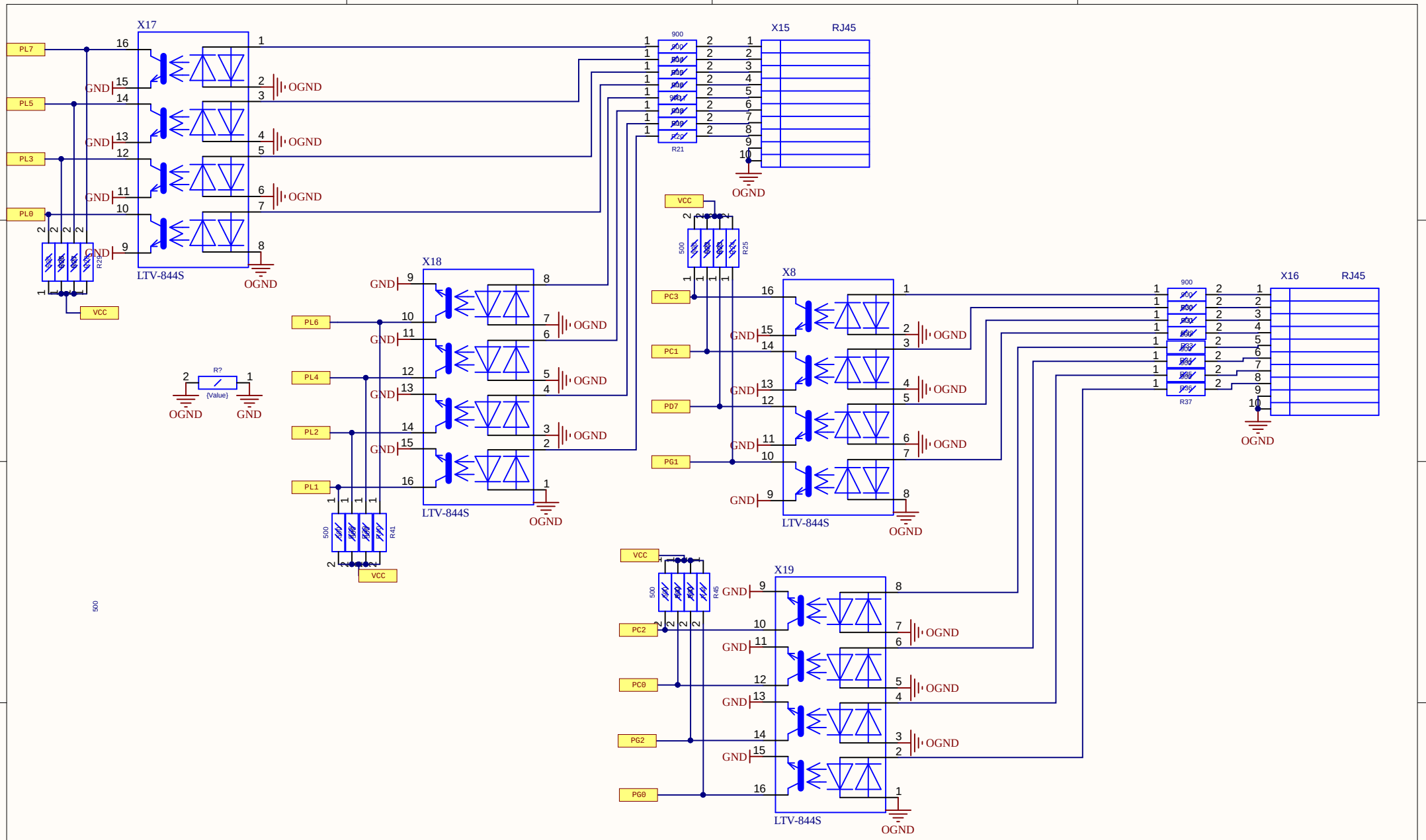
Altium



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Altium Limited
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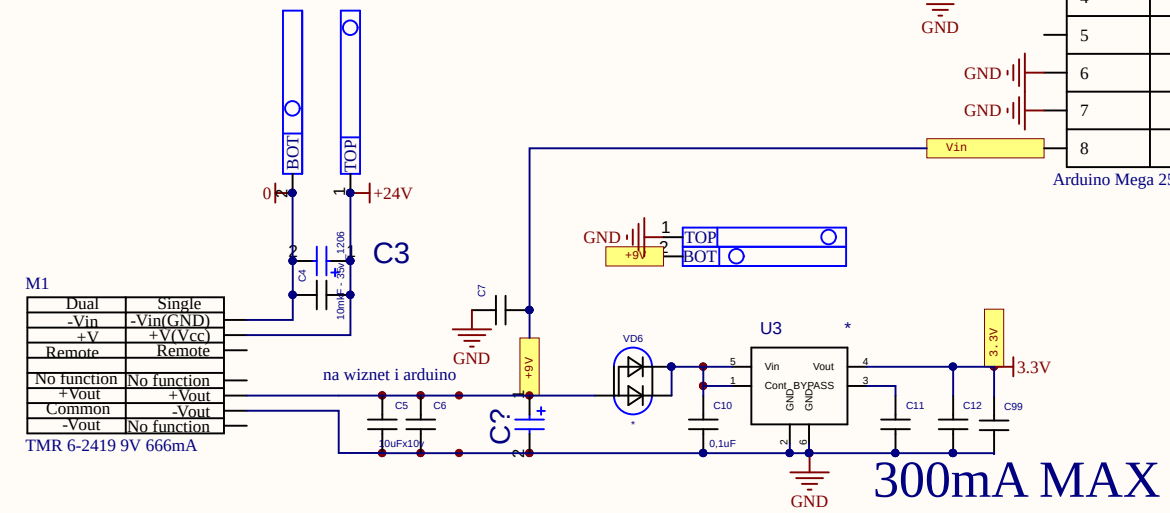
NSW
Australia 2086

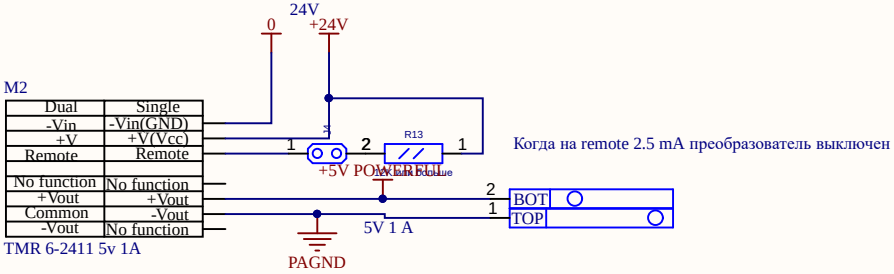
X1H

Power

Pin Number	Board Number	MK Number
1		
2	IOREF	
3	RESET	
4	3V3	
5	5V	
6	GND	
7	GND	
8	Vin	

Arduino Mega 2560





Когда на remote 2.5 mA преобразователь выключен

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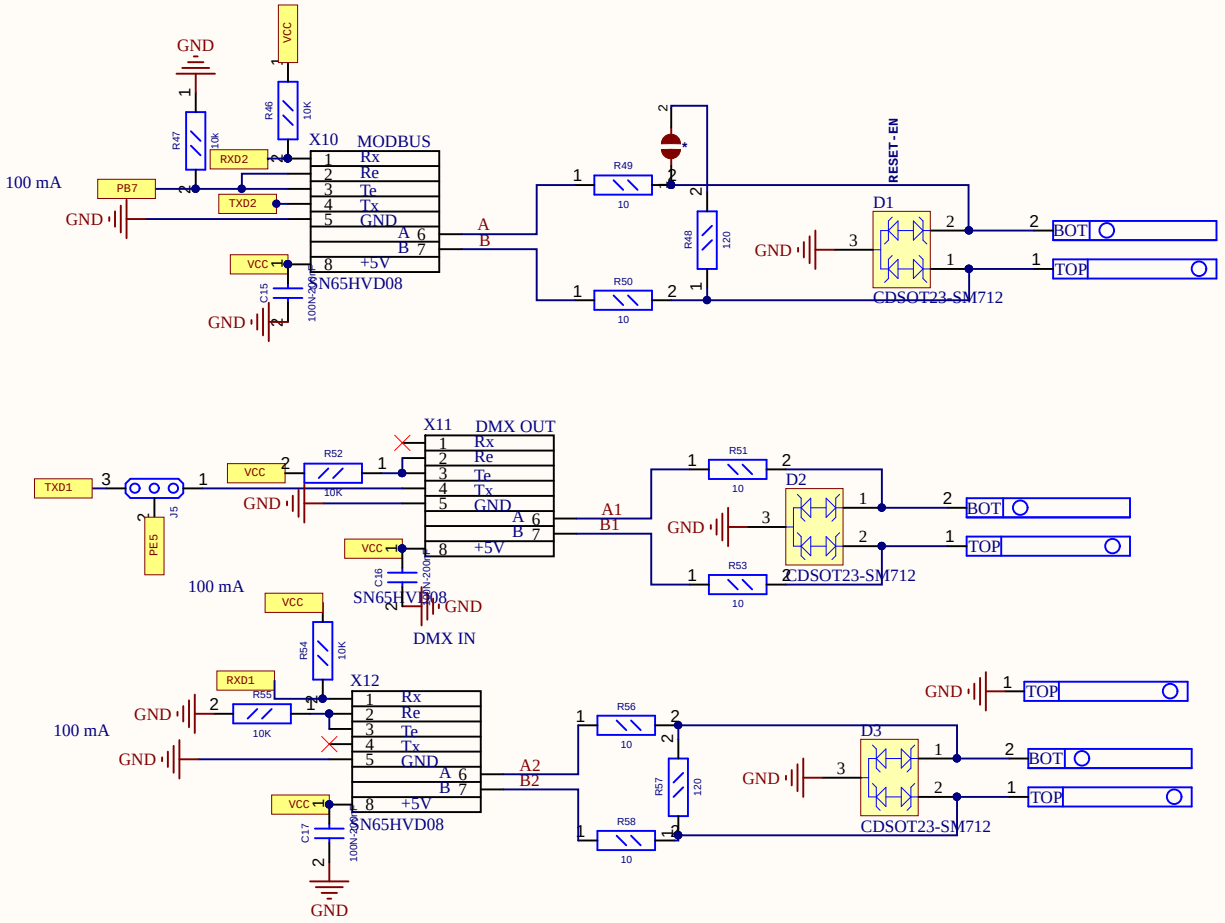

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Comment	Description	Designator	LibRef	Quantity	Value
UEXT		*1	UEXT	1	
JMP2		15, J1, J3, J4, J6, J7	JMP2	6	
C_0805	0805, [NoValue]	C1, C2, C15, C16, C17	C_0805	5	1 pF, 100N-200nF
220uF-35V		C3	CAP_AL_0810	1	220uF-35V
10mkF - 35v _1206	C_0805+1206	C4	C_0805+1206	1	10mkF - 35v _1206
10uFx10v	C_0805	C5	C_0805	1	10uFx10v
0.1uF	C_0805_VARIANT_2	C6, C7, C8, C9, C10	C_0805_VARIANT_2	5	0.1uF
10n	C_0805_VARIANT_2	C11	C_0805_VARIANT_2	1	10n
1uF	C_0805_VARIANT_2	C12, C99	C_0805_VARIANT_2	2	1uF
C_0805	0805	C111	C_0805	1	1uF
CAP_AL_0607		C?	CAP_AL_0607	1	220 uF 0607
CDSOT23-SM712	Surface Mount TVS Diode, 17 A Ipp, -55 to 150 degC, 3-Pin SOT23, RoHS, Tape and Reel	D1, D2, D3	CMP-2000-05081-1	3	
WIZ850	WIZ850	J2	WIZ850	1	
JMP3		J5	JMP3	1	
TMR 6-2419 9V 666mA	24V in, Out 9v 666 mA	M1	TMR 2411	1	
TMR 6-2411 5v 1A	24V in, 5v Out 400mA 2W	M2	TMR 2411	1	
R_0805		R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R14, R15, R16, R17, R18, R19, R20, R21, R30, R31, R32, R33, R34, R35, R36, R37, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R133, R144	R_0805	74	10k, 1k, 2.4k, {Value}, 900, 120, 10, 450, 100k
R_0805		R13	R_0805	1	12K или больше
R0603	0603	R22, R23, R24, R25, R26, R27, R28, R29, R38, R39, R40, R41, R42, R43, R44, R45	R0603	16	500
R1206		R?	R1206	1	{Value}
"0" D	SMD solder JUMPER	RESET-EN	"0" D	1	
DS2482S-100+	Single-Channel 1-Wire Master, 2.9 to 5.5 V, -40 to 85 degC, 8-Pin SO, RoHS, Rail/Tube	U1	CMP-2000-06185-1	1	
ULN2803ADW	Darlington Transistor NPN, 50 V, 0.5 A, -40 to 85 degC, 18-Pin SOIC (DW), Green (RoHS & no Sb/Br), Tube	U2	CMP-2000-07353-1	1	
	NJM2880U	U3	NJM2880U	1	
BAT54WS	BAT54WS, диод шоттки	VD1, VD2, VD3, VD4, VD5	BAT54WS	5	
	BAT54AW	VD6	BAT54AW	1	
VSD, supressor	P4SMAJ5.0C Polarity: Color band denotes positive end (cathode)	VD7, VD11, VD13, VD15, VD17, VD19, VD20, VD22, VD23, VD27, VD29, VD31, VD33, VD35, VD36, VD38	P4SMAJ5.0C	16	
BAV99W-SOT323		VD8, VD9, VD10, VD12, VD14, VD16, VD18, VD21, VD24, VD25, VD26, VD28, VD30, VD32, VD34, VD37	BAV99W-SOT323	16	
P4SMAJ5.0C		VD333	P4SMAJ5.0C	1	
IRML 6302		VT2	IRML 6302	1	
BST82	BST82	VT8	IRLML2803	1	
Arduino Mega 2560		X1	Arduino Mega 2560	1	
ELT250-2.54 Top	клеммник зажимной	X01, X03, X05, X07, X09, X011, X013, X020, X022, X024, X025, X029, X030, X39, X088, X0115, X0126	ELT250-2.54 Top	17	
ELT250-2.54 Bot	клеммник зажимной	X02, X04, X06, X08, X010, X012, X014, X021, X023, X026, X027, X028, X038, X111	ELT250-2.54 Bot	14	
RJ45		X3, X13, X14, X15, X16	RJ45	5	
LTV-844S		X8, X17, X18, X19	LTV-844S	4	
SN65HVD08		X10, X11, X12	SN65HVD08	3	
ELT250-3.5 Bot	клеммник зажимной	X015, X017	ELT250-3.5 Bot	2	
ELT250-3.5 Top	клеммник зажимной	X016, X018	ELT250-3.5 Top	2	
1		X?	CAT811TTBI-GT3	1	