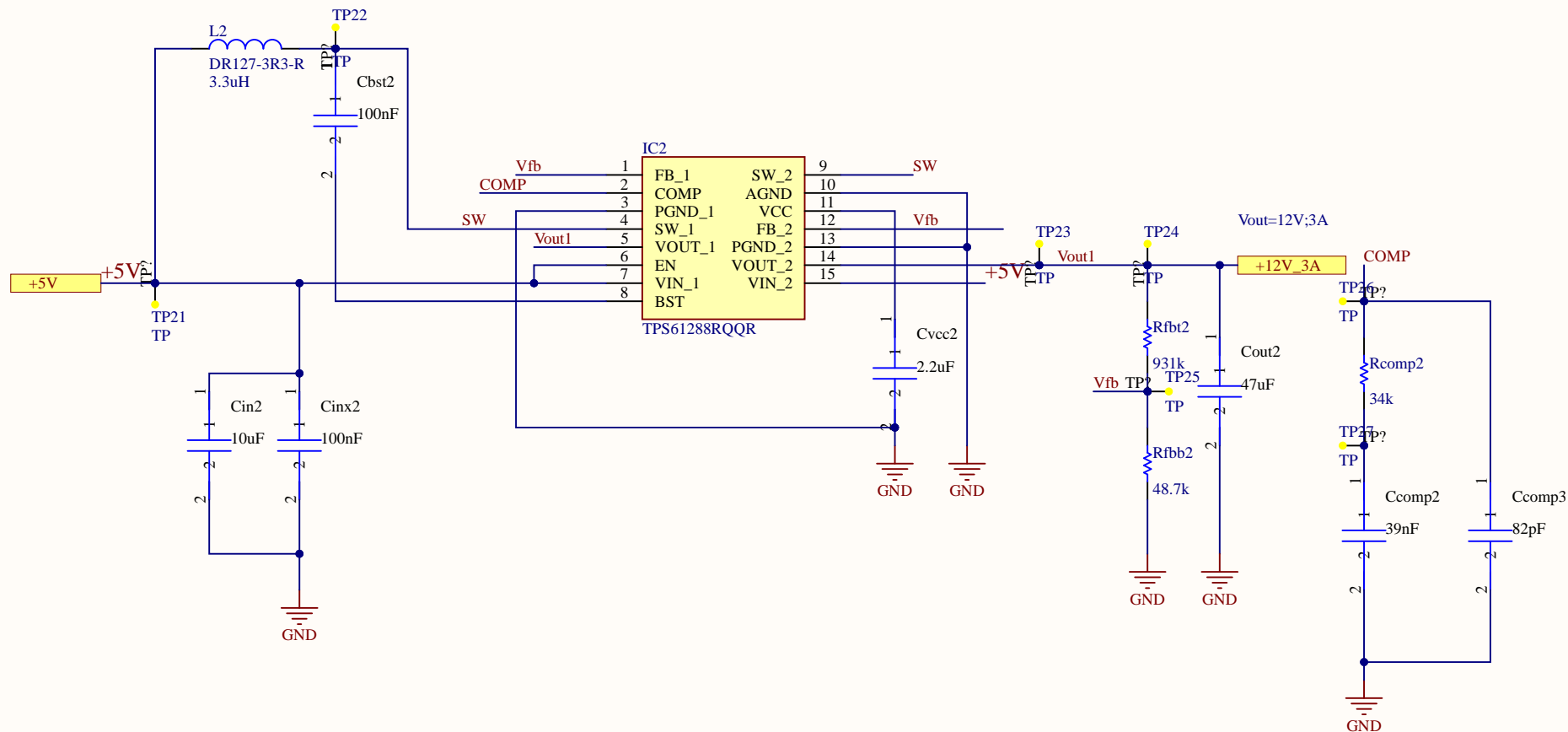
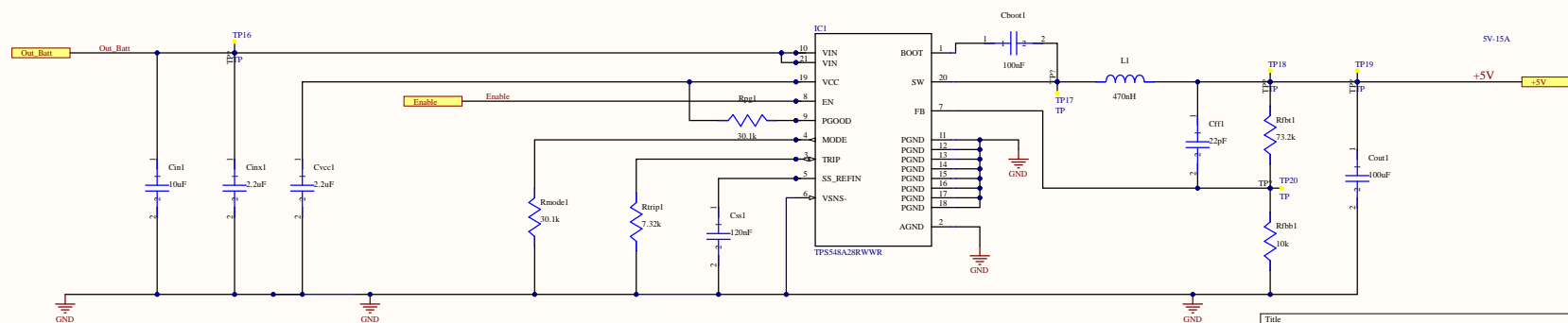
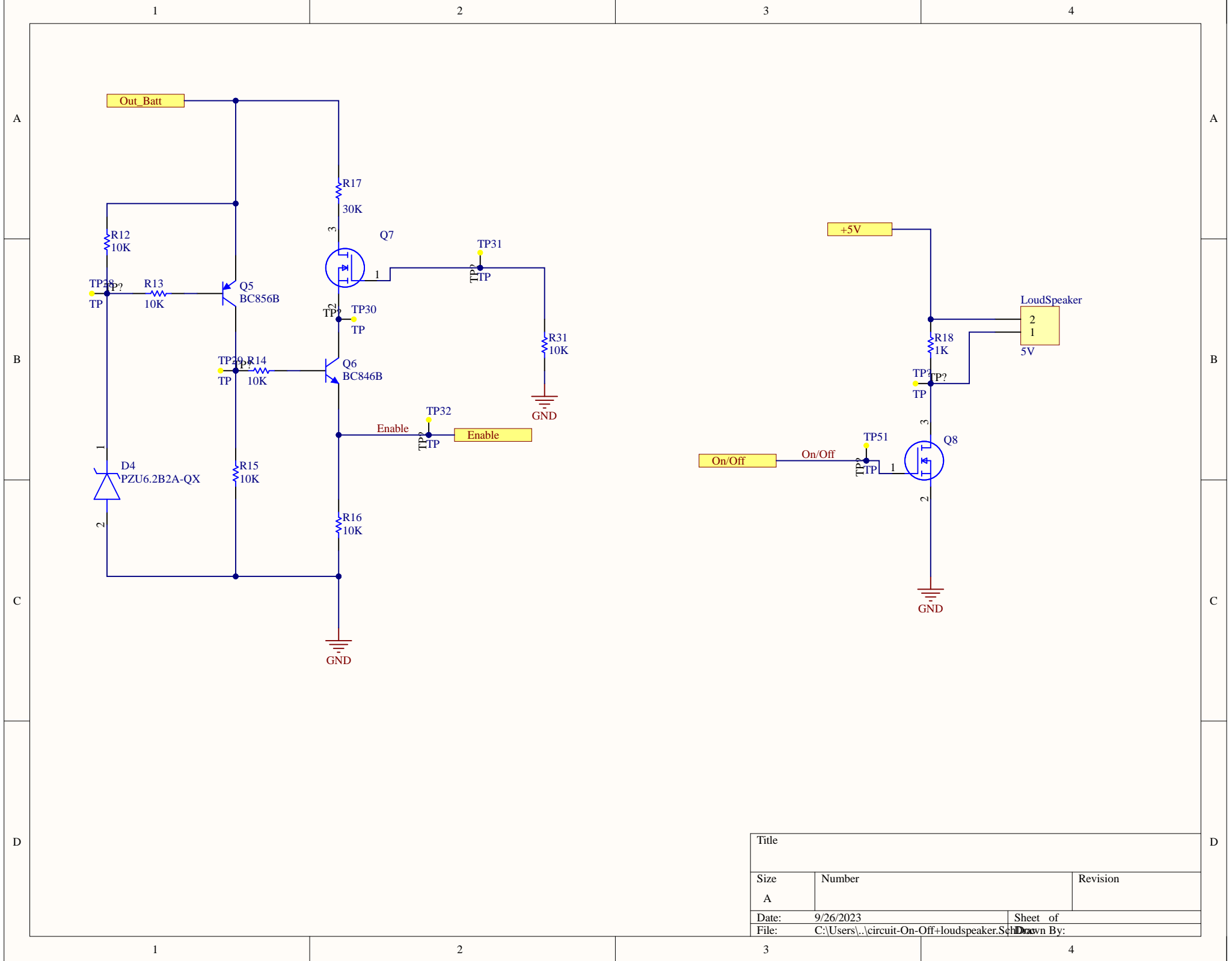


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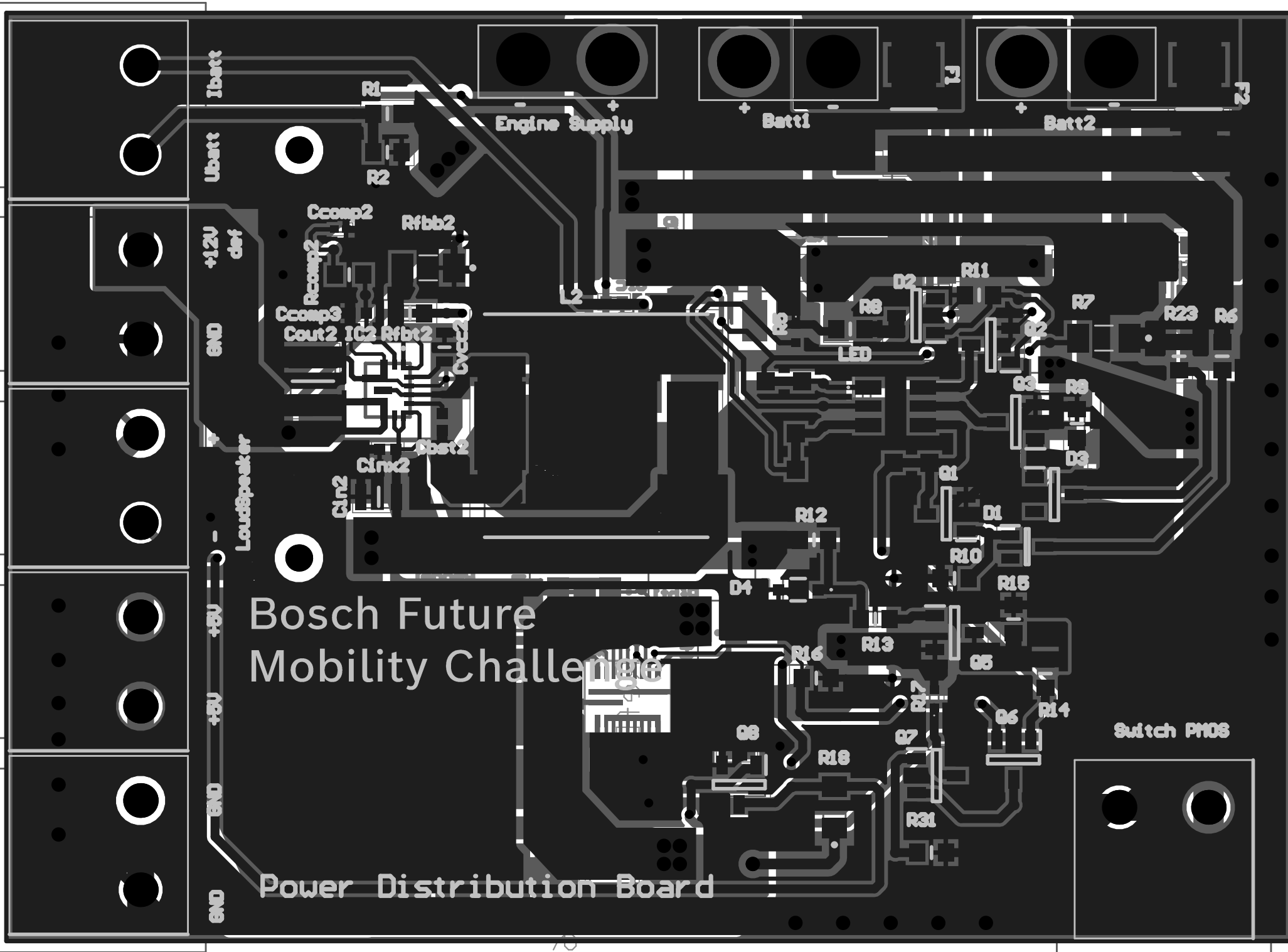


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Title		
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Date:	9/26/2023	Sheet of
File:	C:\Users\...\circuit-On-Off+loudspeaker.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
7.4V	2 Holes	Batt1, Batt2, Engine Supply	PCBComponent_1 - duplicate	Header 2	3
6.1V-7.4V	Header, 2-Pin	BrainSupply, conuC, GenSupply	TB002V50002BE	Header 2	3
EMK105 B7104KVHF	EMK107B7104KA-T, C3216X6S1V106K16	Cboot1, Cbst2, Cinx2	CAPC1005X55N	EMK107B7104KA-T, C3216X6S1V106K160A C	3
GCM155R71E333K	C3216X6S1V106K16	Ccomp2	CAPC0603K33N	C3216X6S1V106K160A C	1
GCM1555C1H820J*	C3216X6S1V106K16	Ccomp3	CAPC1005X55N	C3216X6S1V106K160A C	1
C1005C0G1H220J	C0402C240J3GACTU	Cff1	CAPC1005X55N	C0402C240J3GACTU	1
C2012X7S1C106K	C3216X6S1V106K16	Clc	CAPC1005X55N	C3216X6S1V106K160A C	1
GCJ31CC71E106K	GRM31CR71E106KA1	Cin1	CAPC3216X200N	GRM31CR71E106KA1 2L	1
C2012X7S1C106K	C3216X6S1V106K16	Cin2	CAPC2012X145N	C3216X6S1V106K160A C	1
GCM188C71A225K	C1608X7R1A225K08, GRM188R71A225KE1, C3216X6S1V106K16	Cinx1, Cvcc1, Cvcc2	CAPC1608X80N	C1608X7R1A225K080 AC, GRM188R71A225KE15 D, C3216X6S1V106K160A C	3
EMK325ABJ107MM-T	CUSTOM1	Cout1	CAPC3225X270N	GENERIC_CAPACITOR	1
CKG57KX7R1E476K	C3216X6S1V106K16	Cout2	CAPC3225X270N	C3216X6S1V106K160A C	1
C1608X7R1H154K	GRM155R61A124KE1	Css1	CAPC1005X55N	GRM155R61A124KE19 D	1
Vbr=6V2	Zener Diode	D1	SOT65P210X110-3N	BZX84W-C15F	1
BZX84W-C15F	Zener Diode	D2	SOT95P230X110-3N	BZX84W-C15F	1
Vbr=6V2	Zener Diode	D3	SOT95P230X110-3N	BZX84W-C15F	1
PZU6.2B2A-QX	Zener Diode	D4	PZU62B2AQX	PZU6.2B2A-QX	1
SZBZX84C18ET1G	Zener Diode	D5, D6	SOT95P230X110-3N	BZX84W-C15F	2
0451015.MRL	Fuse	F1, F2	FUSC6127X294N	0451015.MRL	2
TPS548A28RWWWR	No Description Available	IC1	RWW0021A	TPS548A28RWWWR	1
TPS61288RQOR	Integrated Circuit	IC2	TPS61288RQOR	TPS61288RQOR	1
INA180A2QDBVRO1	Attenuator or Isolator	IC3	SOT95P280X145-5N	INA180A2QDBVRO1	1
IHLP4040DZERR47M1 1	IHLP4040DZERR47M	L1	IHLP4040DZERR47M1 1	IHLP4040DZERR47M1 1	1
DR127-3R3-R	Inductor	L2	INDPM125125X800N	Inductor	1
SMLVN6RCB1U1	LED	LED	SMLVN6RCB1U1	SMLVN6RCB1U1	1
5V	Header, 2-Pin	LoudSpeaker, ServoSupply, Switch PMOS	TB002V50002BE	Header 2	3
BC846B	NPN Bipolar Transistor	Q1, Q2, Q3, Q6	SOT95P230X110-3N	NPN	4
BC856B	PNP Bipolar Transistor	Q5	SOT95P230X110-3N	PNP	1
BSS138BK-215	MOSFET (N-Channel)	Q7, Q8	SOT95P230X110-3N	BSS138BK-215	2
SQD50P04-09L_GE3	MOSFET (P-Channel)	Q10, Q11, Q12, Q13	SQD50P0409L_GE3	SQD50P04-09L_GE3	4
MCR03..PFX1051	Resistor	R1	RESC1608X55N	Res1	1
MCR03...PFX7680	Resistor	R2	RESC1608X55N	Res1	1
RK73H1JPT..2150F	Resistor	R5	ERJ2RKD1004X	Res1	1
MCR03..PFX1000	Resistor	R6, R8, R23	RESC1608X55N	Res1	3
SMM0204 50 150R 1 %	Resistor	R7	SMM02040D1501BB3 00	Res1	1
MCR03..PFX1002	Resistor	R9, R10, R11, R12, R13, R14, R15, R16, R20, R21, R24, R25, R31	RESC1608X55N	Res1	13
8909013012	Resistor	R17	ERJ2RKD1004X	Res1	1
MCR03..PFX1002	Resistor	R18, R19, R22	ERJP06D1000V	Res1	3
SMM0204 50 34K 1 %	Resistor	Rcomp2	RESC1608X55N	Res1	1
SMM0204 50 10K 1 %	CRCW040210K0FKED	Rfbb1	SMM02040D1501BB3 00	CRCW040210K0FKED	1
SMM0204 50 48K 7 1 %	Resistor	Rfbb2	SMM02040D1501BB3 00	Res1	1
SMM0204 50 73K2 1 %	CRCW040273K2FKED	Rfbb1	ERJ2RKD1004X	CRCW040273K2FKED	1
SMM0204 50 931K 1 %	Resistor	Rfbb2	RESC1608X55N	Res1	1
SMM0204 50 30K1 1 %	CRCW040230K1FKED	Rmode1, Rpg1	SMM02040D1501BB3 00	CRCW040230K1FKED	2
WSLP25122L500FEA	Resistor	Rshunt	RESC6432X89N	WSLP25122L500FEA	1
SMM0204 50 7K32 1 %	SMM0204 50 7K32 1 %	Rtrip1	ERJ2RKD1004X	CRCW040273K2FKED	1
TP		TP3, TP4, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP50, TP51, TP?	Test_Point0.5x0.5	Test_Point_0.5x0.5	37