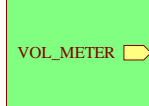
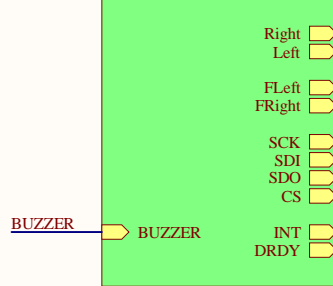


POW
Power.SchDoc



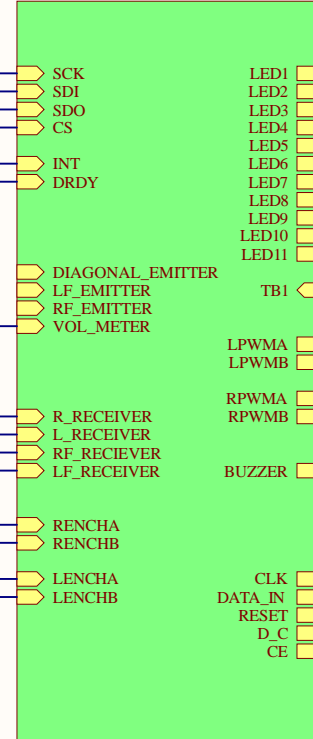
VOL_METER

SE
Sensors.SchDoc

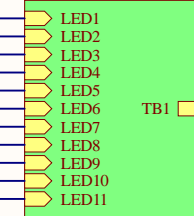


R_RECEIVER
L_RECEIVER
LF_RECEIVER
RF_RECIEVER

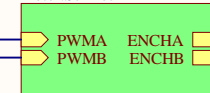
MC
Microcontroller.SchDoc



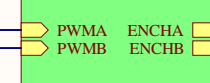
LED
Led.SchDoc



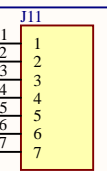
LM
motor.SchDoc



RM
motor.SchDoc



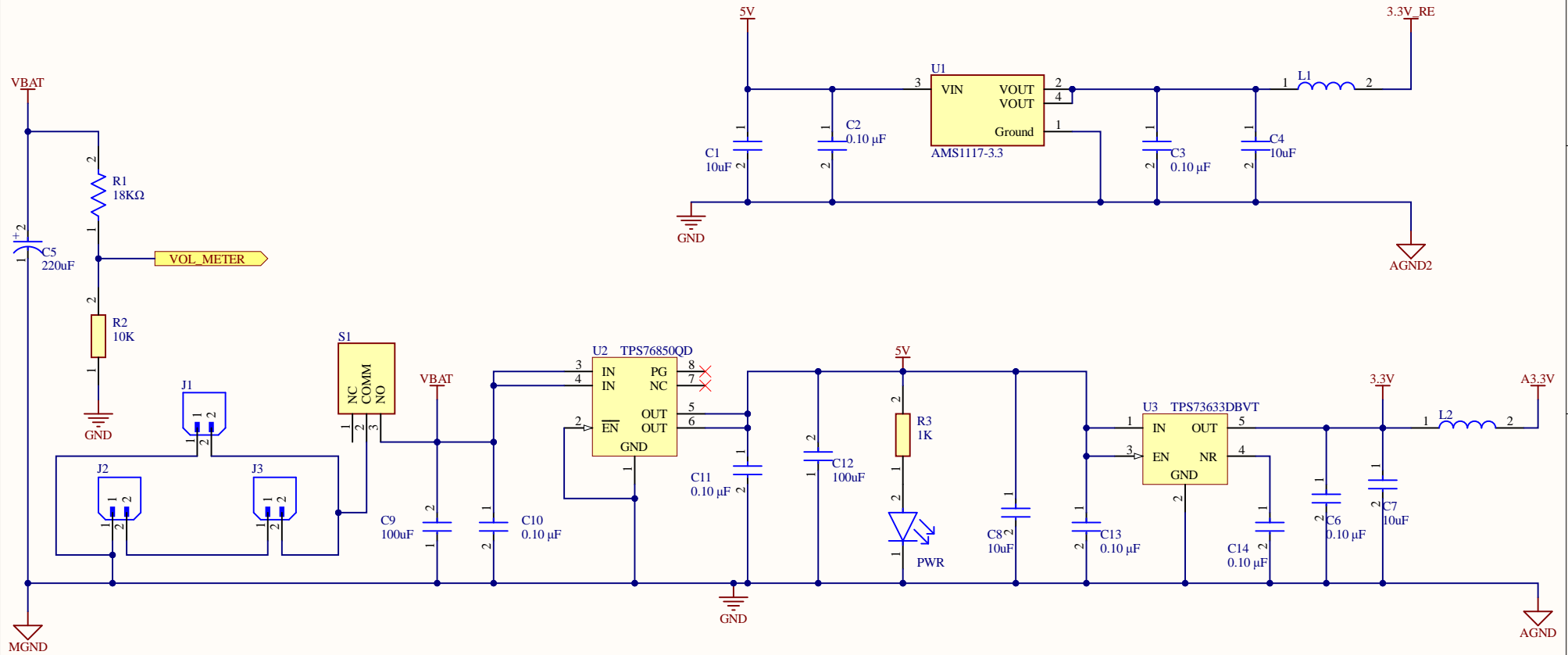
5V



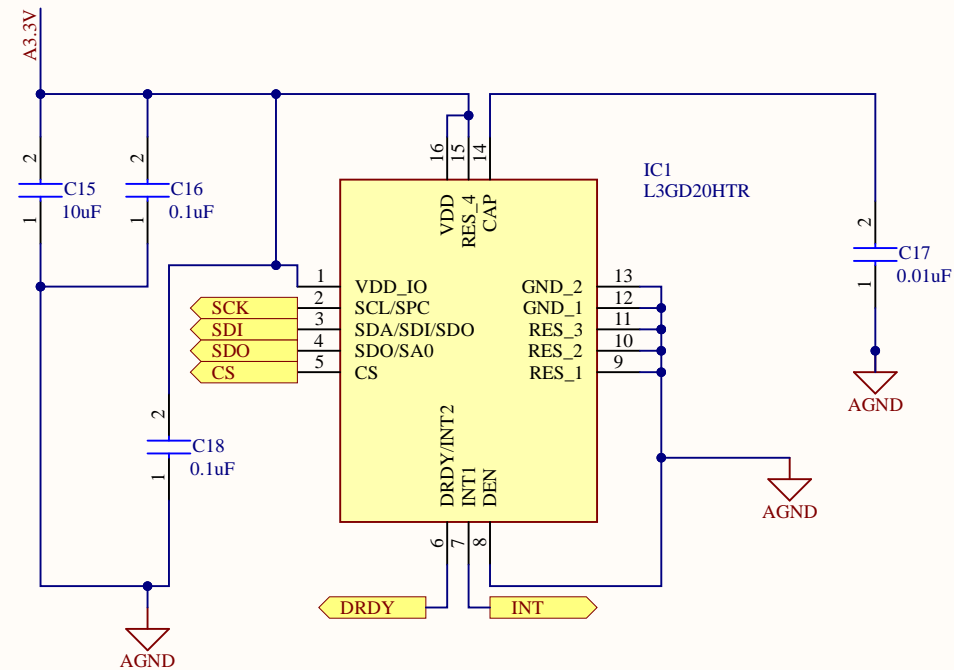
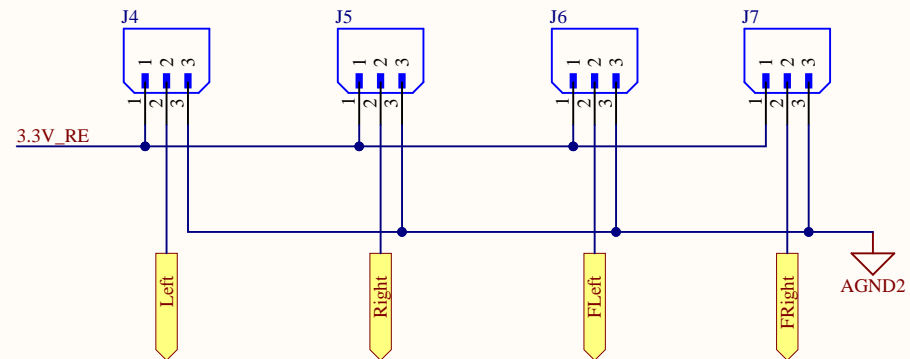
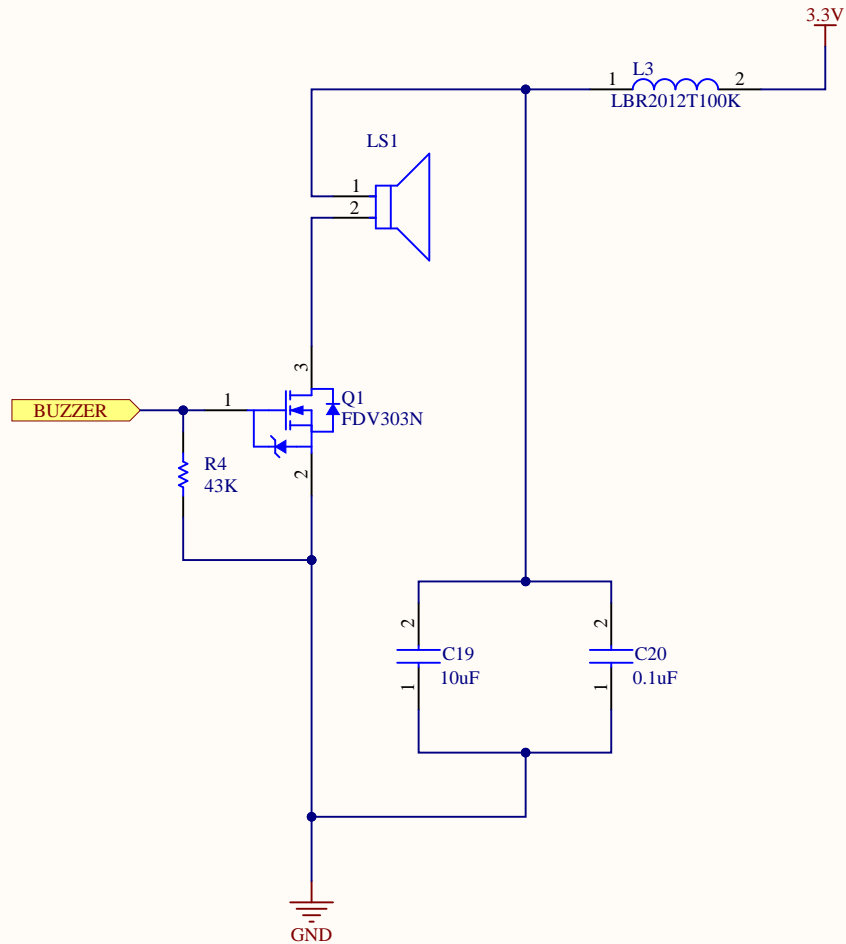
M22-2010705



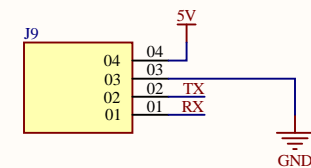
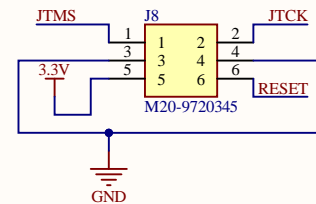
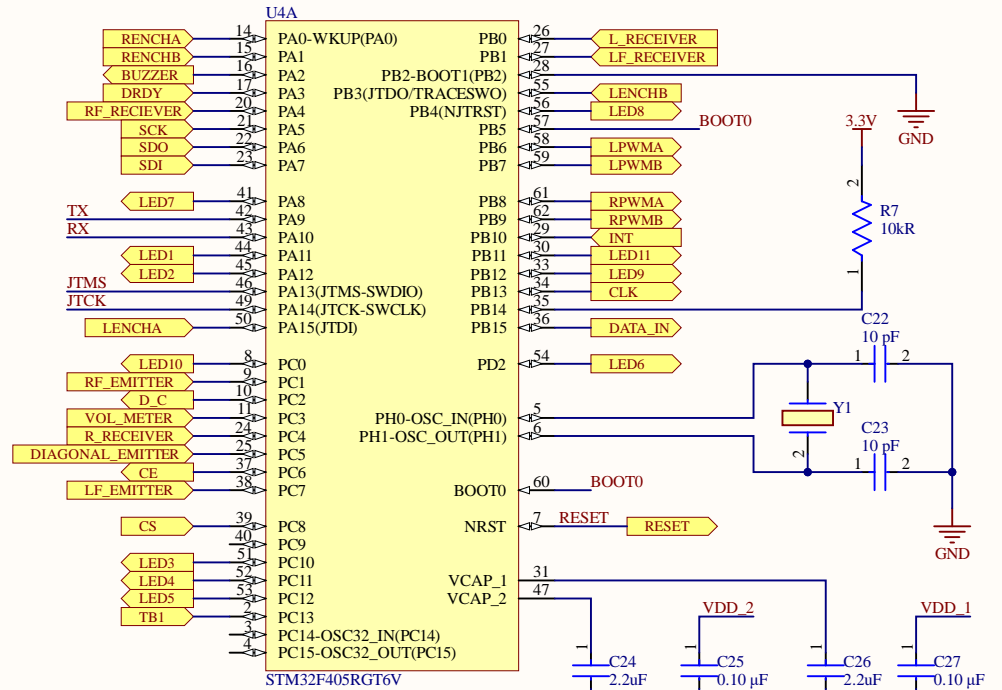
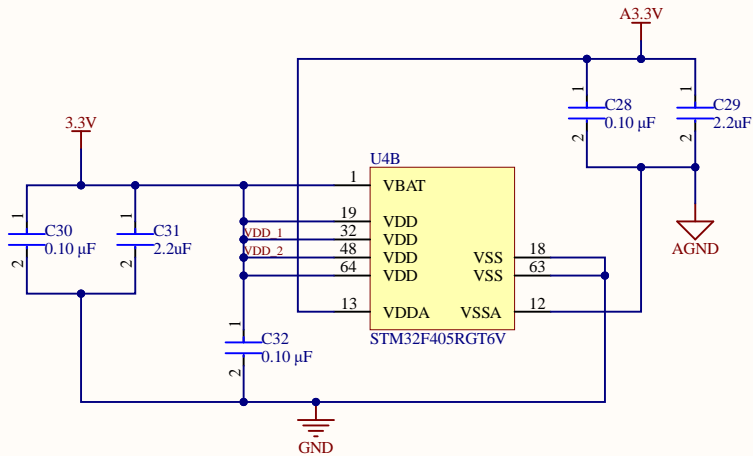
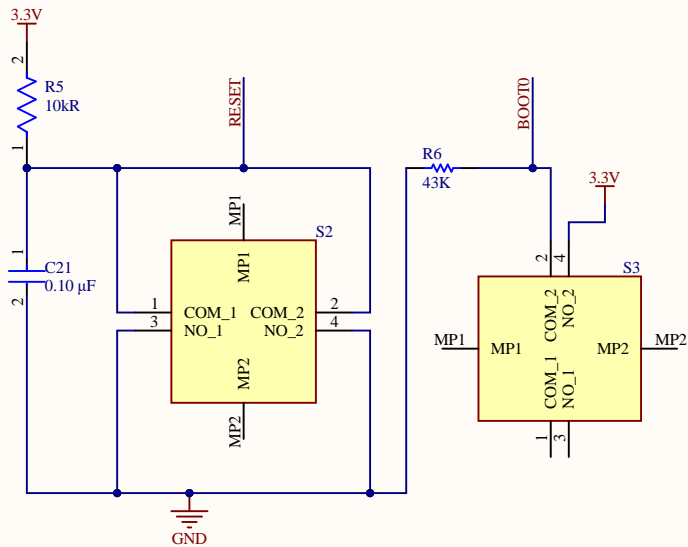
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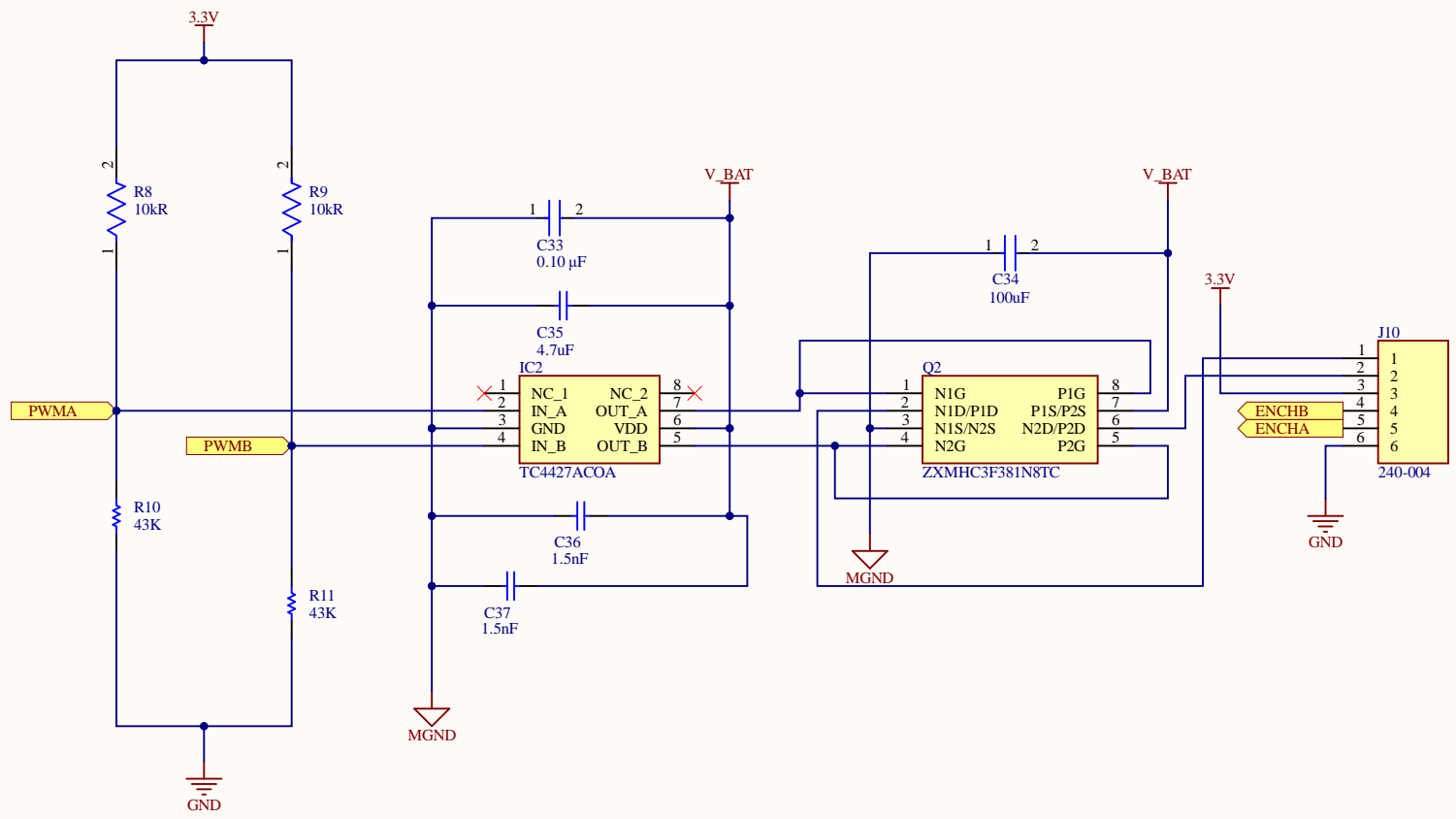
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Title		
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Title		
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4

A

A

B

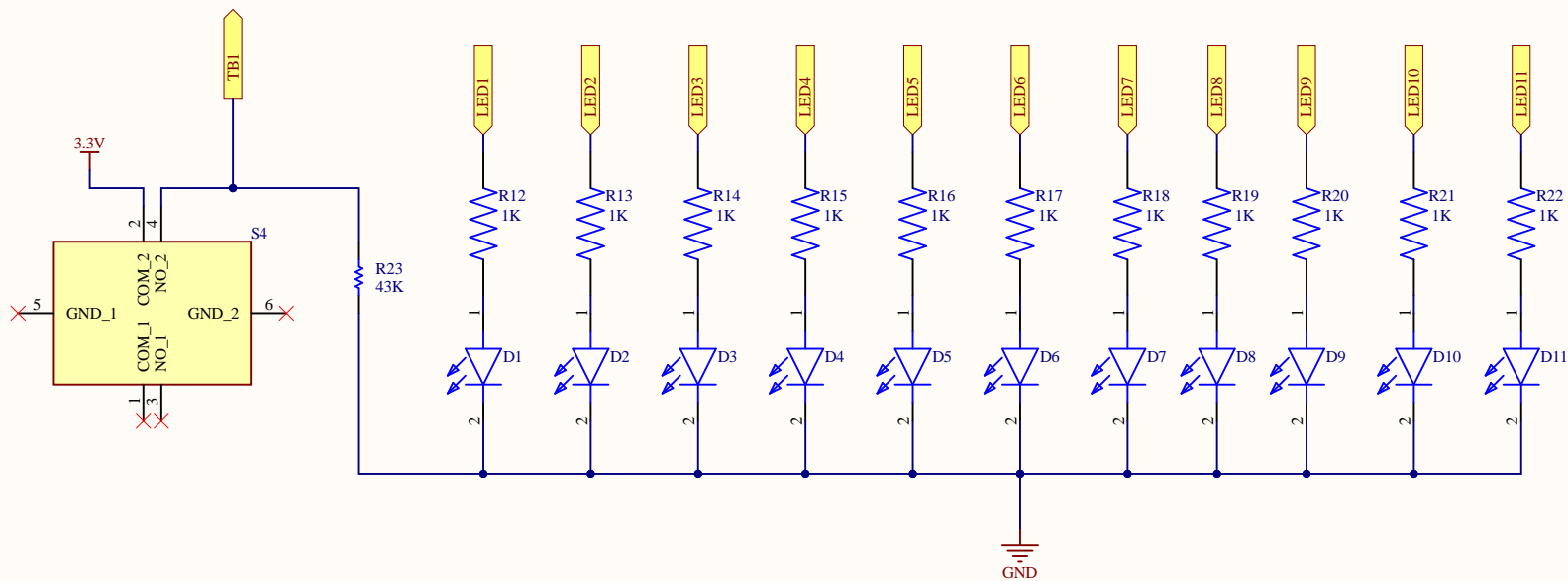
B

C

C

D

D



Title		
Size A4	Number	Revision
Date:	8/19/2024	Sheet of
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1

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3

4

Comment	Description	Designator	Footprint	LibRef	Quantity
GRM21BR61C100KE15L	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 10uF, X5R, 15%, 10%, 16V	C1, C4, C7, C8	FP-GRM21B-0_1-IPC,C	OMP-2007-03453-2	4
C1206C104K1RACTU	CAP CER0.1UF 100V X7R 1206	C2, C3, C6, C10, C11, C13, C14	FP-C1206CEB-MFG	OMP-03020-000153-1	7
EEEF1H221AP	CAP ALUM 220UF 20% 50V SMD	C5	FP-FTF-MFG	OMP-05427-000092-1	1
BMK254B107MM-T	CAP CER 100UF 16V X5R 1210	C3, C12	FP-BMK25A-M-MFG	OMP-2000-05020-2	2
C0805C108K9PACTU	Capacitor	C15, C19	C0805	C0805C108K9PACTU	2
C0805C104BRPACTU	Capacitor	C16, C18, C20	C0805	C0805C104BRPACTU	3
C0805C103K9PACTU	Capacitor	C17	C0805	C0805C103K9PACTU	1
C0805C104BRPACTU	CAP CER0.1UF 10V 5% X7R 0805	C21, C26, C27, C28, C30, C32, C33, LM, C33_RM	FP-C0805C DN-MFG	OMP-03020-032186-1	8
C0805C100K9GACTU	CAP CER 10PF 50V 10% NP0 0805	C22, C23	FP-C0805C DN-MFG	OMP-2007-00462-2	2
C2012SR1H225K125AB	Multilayer Ceramic Capacitors 2.2uF ±10% 50V X5R SMD 0805	C24, C26, C29, C31	FP-C2012-125-0_2-IPC,C	OMP-05246-005698-1	4
C1206C107MBPACTU	CAP CER 100UF 6.3V X5R 1206	C34, LM, C34_RM	FP-C1206CEB-MFG	OMP-1037-05005-3	2
C0805C475MBPACTU		C35, LM, C35_RM	CAPC2013X145X50NL20725	OMP-2007-01014-1	2
08051C152KAT2A		C36, LM, C36_RM, C37, LM, C37_RM	CAPC2013X94X50NL20725	OMP-2007-04179-1	4
598-2105-107F	LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11	5982105107F	598-2105-107F	11
UG3020HTR	Integrated Circuit	IC1	H8JUS100LIR	UG3020HTR	1
TC4427ACDA	Integrated Circuit	IC2, LM, IC2_RM	SOIC127P600X175-8N	TC4427ACDA	2
B2B-XH4(LF)(SN)	Connector Header Through Hole 2 position 0.098 (2.50mm)	J1, J2, J3	JST_B2B-XH4(LF)(SN)	B2B-XH4(LF)(SN)	3
B3B-XH4A(LF)(SN)	Connector Header Through Hole 3 position 0.098 (2.50mm)	J4, J5, J6, J7	JST_B3B-XH4A(LF)(SN)	B3B-XH4A(LF)(SN)	4
M20-9720345	Connector	J8	HDR6/W64P254_2X3_762X503X864P	M20-9720345	1
TS104-G-AA		J9	SWTEC TS104-G-AA	TS104-G-AA	1
240-004	Connector	J10, LM, J10_RM	HDR6/W64P254_1X6_11524X254X909P	240-004	2
M22-2010705	Connector	J11	HDR7/V65P0X200_1X7_1400X200X545P	M22-2010705	1
LBFG121100K	Inductor	L1, L2, L3	INDCG12X145N	LBFG121100K	3
AI-1223-TWT-3V2-R	BUZZER MAGNETIC 3V 12MM TH	LS1	FP-AI-1223-TWT-3V2-R-MFG	OMP-103888-000003-1	1
H5MSC150	LED RED 0.1W SMD CHIP SMD	PWR	FP-H5MSC150-MFG	OMP-21615-000001-1	1
FDX303N	N-Channel MOSFET Transistor, 8 V VGS, 25 V VDS, 0.68 A, -55 to 150 degC, 3-Pin SOT23, RoHS, Tape and Reel	Q1	FAIR FDX303N-3_V	OMP-2000-05111-1	1
ZMM-IC3F381N8TC	MOSFET (N-Channel)	Q2, LM, Q2_RM	SOIC127P600X170-8N	ZMM-IC3F381N8TC	2
CRGCG2010F18K	CRGCG2010 18KΩ 0.75W ±100ppm/°C 1% 200V	R1	FP-CRGCG2010-IPC,C	OMP-03211-008837-1	1
BRUP08D1002V	Resistor	R2	BRUP08D1000V	BRUP08D1002V	1
0805W8P1001T5E	Resistor	R3	RES2013K65N	0805W8P1001T5E	1
ERA34EB433V		R4, R6, R10, LM, R10_RM, R11, LM, R11_RM, R23	RESCH608X55X30ML20720	OMP-2000-00064-1	7
ERA-34EB103V	RESSMD 10K OHM 0.1% 1/10W 0803	R5, R7, R8, LM, R8_RM, R9, LM, R9_RM	FP-ERA34-IPC,C	OMP-2000-00874-2	6
ERJUD6J02V		R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22	RES_ERJUD6J02V	ERJUD6J02V	11
EG1218	Switch	S1	EG1218	EG1218	1
TS21-34-035-BK-160-SMT-TR	Switch	S2, S3	TS2134035BK160SMTTR	TS21-34-035-BK-160-SMT-TR	2
PT35263M3203MTR21JFS	Switch	S4	PT35263M3203MTR21JFS	PT35263M3203MTR21JFS	1
AMS1117-3.3	LDO Voltage Regulators 1A, 3.3V	U1	FP-AMS1117-IPC,C	OMP-209535-000001-1	1
TPS76800D	Single Output Fast Transient Response LDO, 1 A, Fixed 5 V Output, 2.7 to 10 V Input, with Low IQ, 8-pin SOIC(D), -40 to 125 degC, Green (RoHS& no Sn/Bi)	U2	D0008A_L	OMP-0395-00120-2	1
TPS73633DBVT	Single Output Low Noise LDO, 400 mA, Fixed 3.3 V Output, 1.7 to 5.5 V Input, with Reverse Current Protection, 5-pin SOT-23 (DBV), -40 to 85 degC, Green (RoHS& no Sn/Bi)	U3	DBV0005A_M	OMP-0395-00251-2	1
STM32F405RG3T6V	ARM Cortex-M4 32-bit MCU4FPU, 210 DMIPS, 1024KB Flash, 192KB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U4	STM1LQFP64_V	OMP-0243-00092-2	1
NX5032GA-16.000M-LN-CD-1	Crystal or Oscillator	Y1	NX5032GA16000000M-H2LNC01	NX5032GA-16.000M-LN-CD-1	1