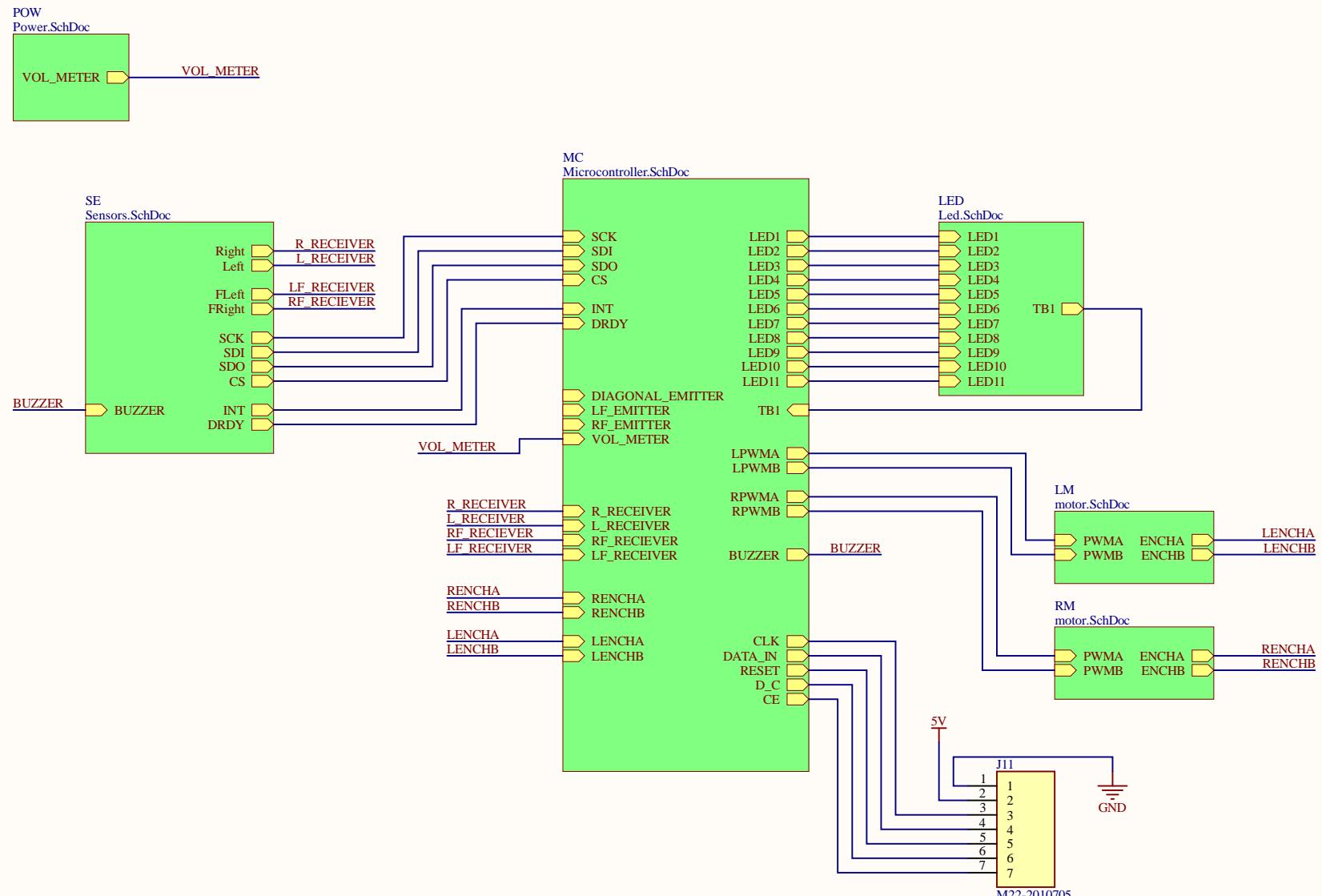


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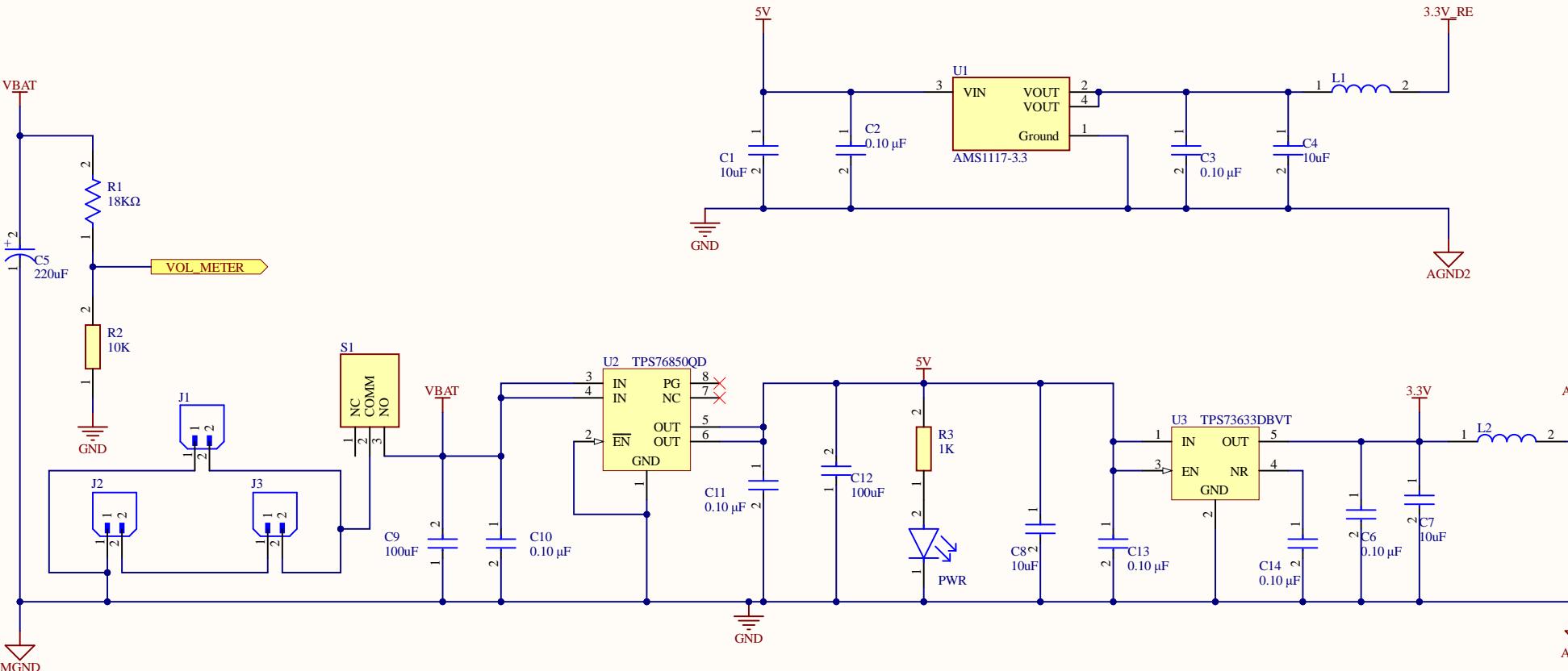
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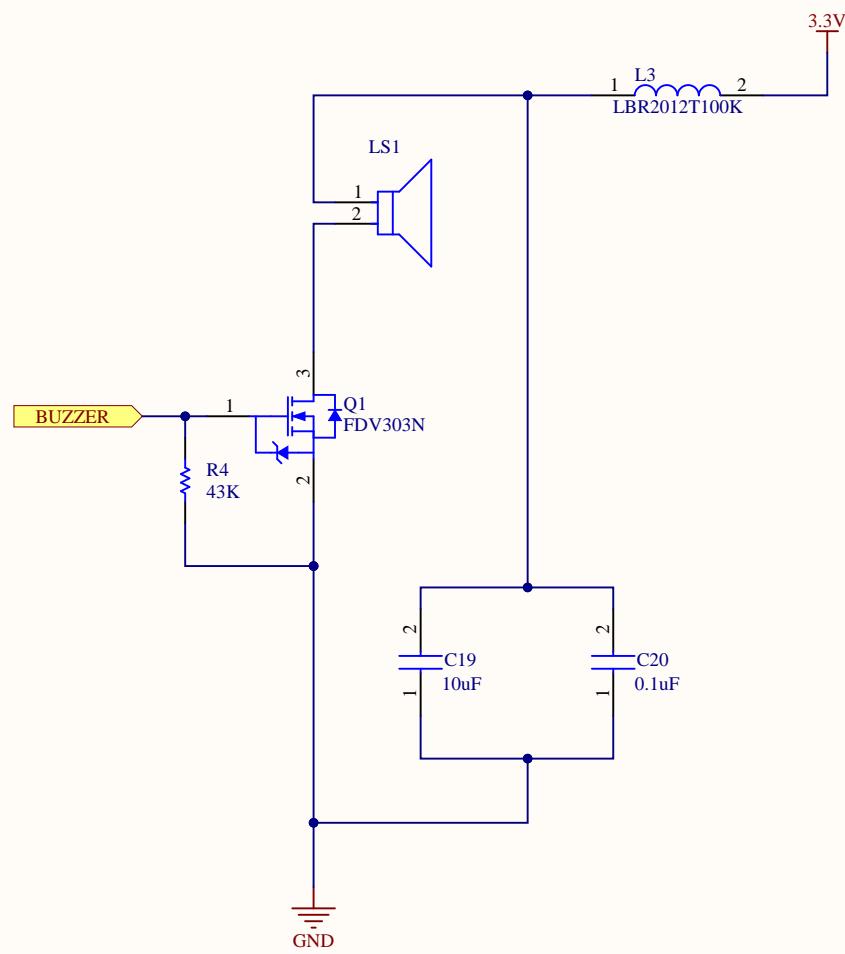
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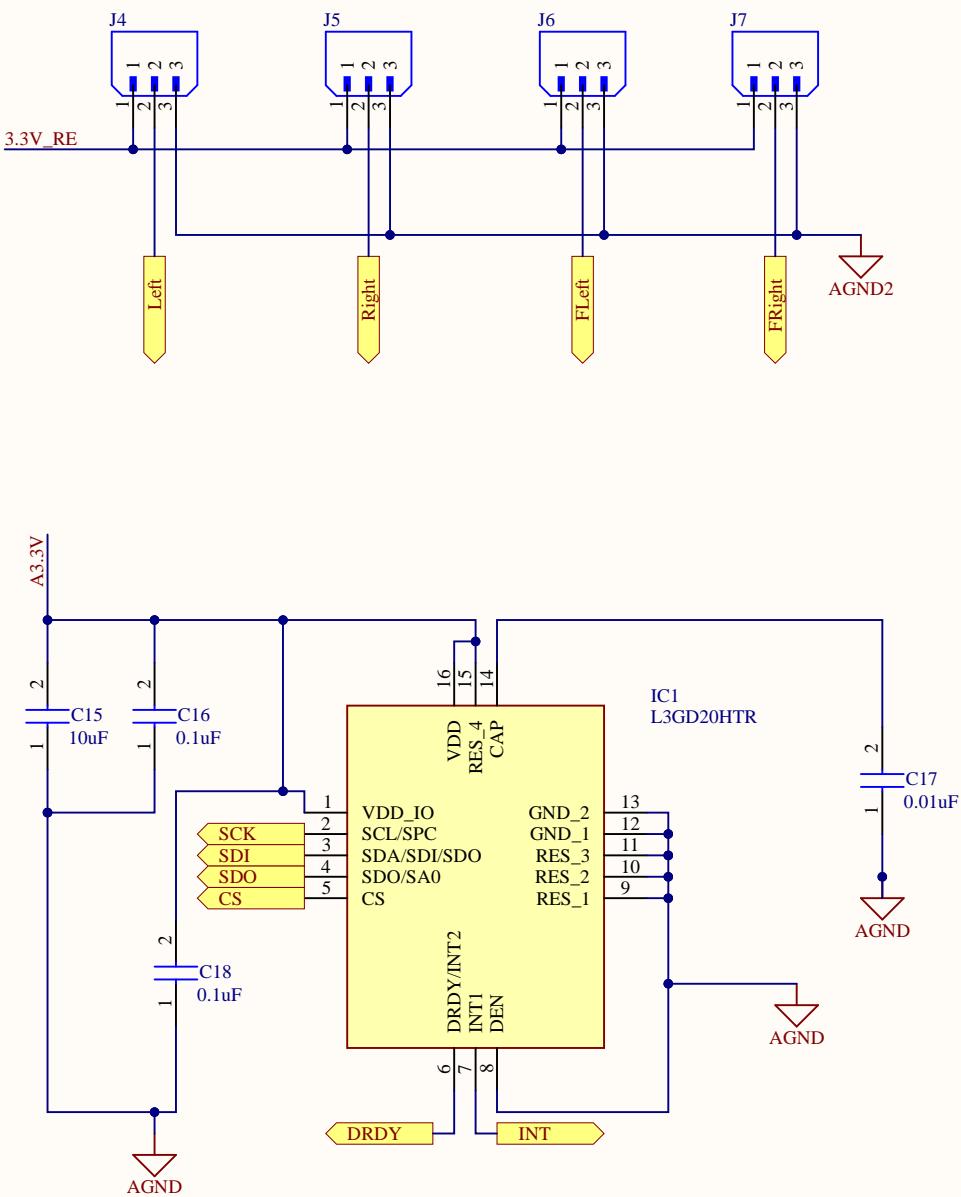
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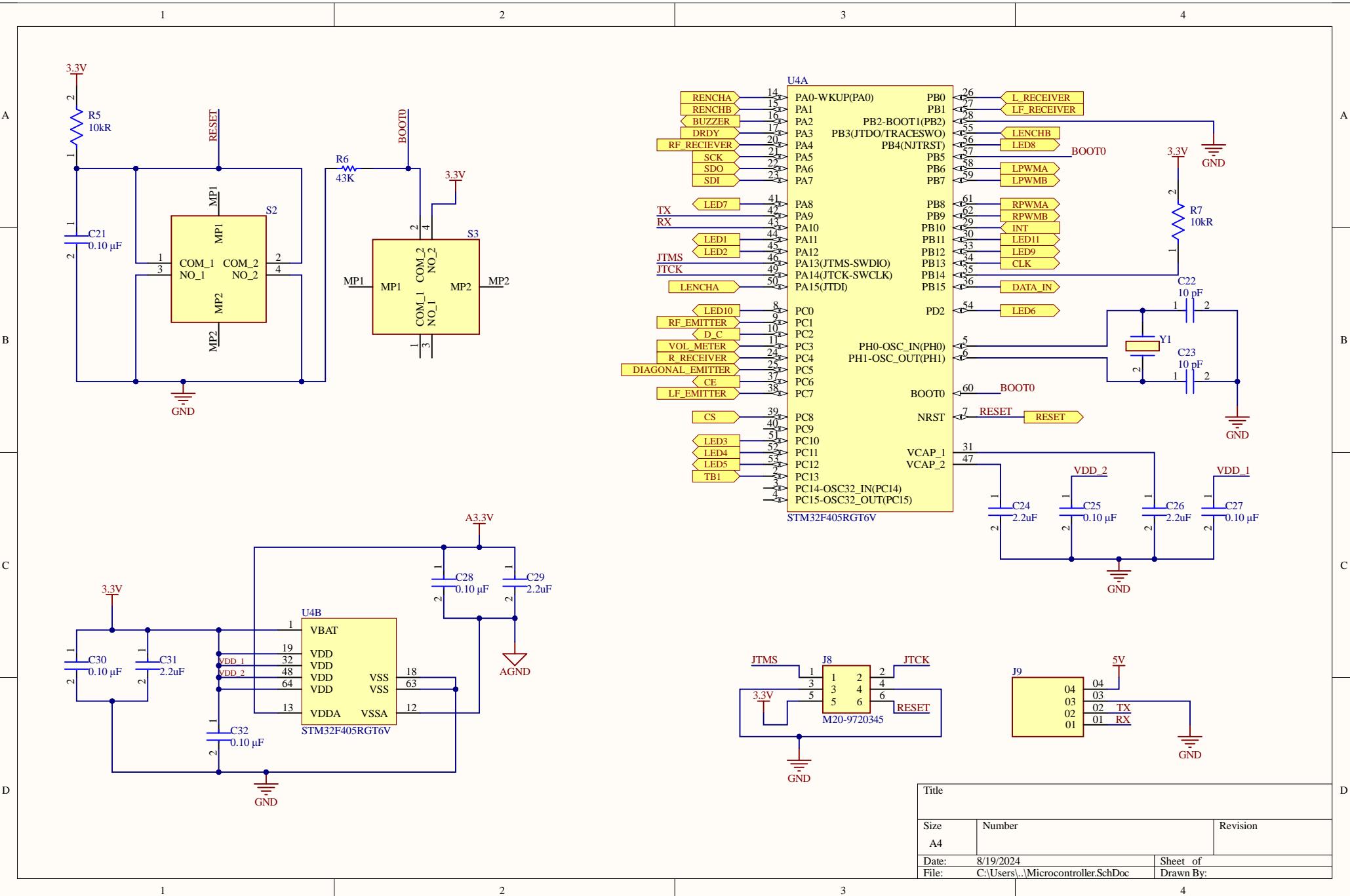
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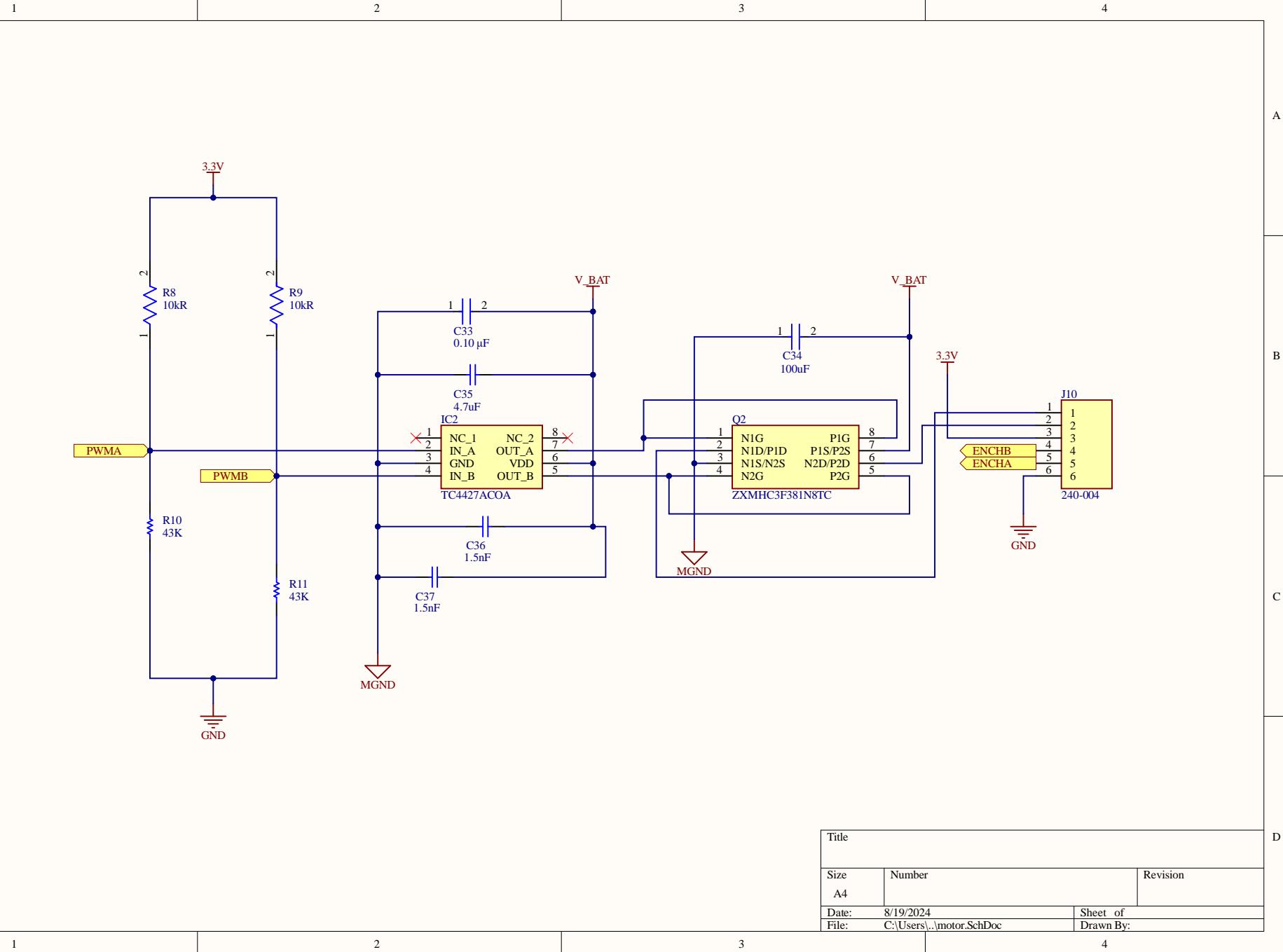
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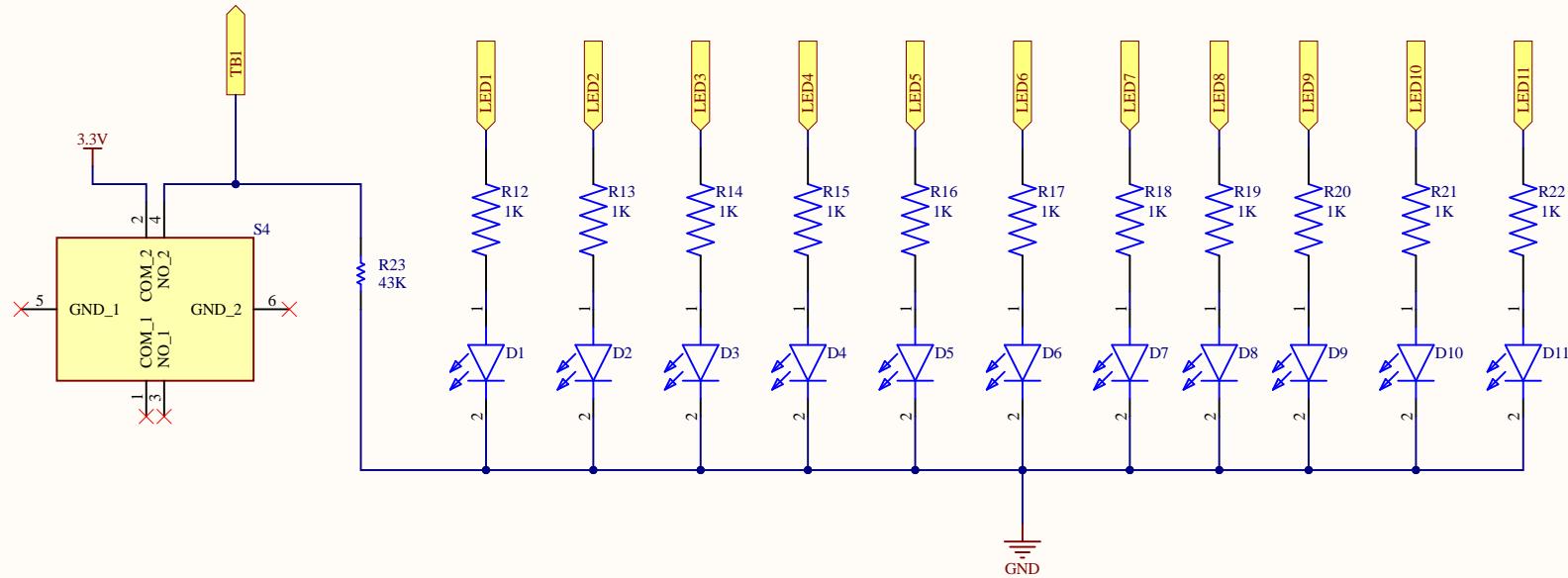
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Comment	Description	Designator	Footprint	LibRef	Quantity
GRM21B961C106KE15_L	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 10μF, X5R, 15%, 10% /16V	C1, C4, C7, C8	FP-GRM21B-0.1-IPC_C	OMP-2007-03453-2	4
C1206C104K1RACTU_X7R1206	CAP-CER,0.1UF 100V X7R 1206	C2, C3, C6, C10, C11, C13, C14	FP-C1206CEB-MFG	OMP-0320-000153-1	7
EEFT1H221AP	CAP ALUM 220UF 20% 50V SMD	C5	FP-FTF-MFG	OMP-05427-000032-1	1
EM3235AB1017M-T	CAP-CER 100UF 16V X5R 1210	C9, C12	FP-EM3235AM-MFG	OMP-2000-05020-2	2
0805C104J8RAC1U	Capacitor	C15, C19	0805C104J8RAC1U		2
0805C104J8RAC1U	Capacitor	C16, C18, C20	0805C104J8RAC1U		3
0805C103K9RAC1U	Capacitor	C17	0805C103K9RAC1U		1
0805C104J8RAC1U	CAP-CER,0.1UF 10V 5% X7R 0805	C21, C25, C27, C28, C30, C32, C33, LM C33, RM	FP-0805CDN-MFG	OMP-0320-032188-1	8
0805C100K5GAC1U	CAP-CER, 10PF 50V 10% NPO 0805	C22, C23	FP-0805CDN-MFG	OMP-2007-00462-2	2
C20125RH229K125A_B	Multilayer Ceramic Capacitors 2.2μF ±10% 50V X5R SMD 0805	C24, C26, C29, C31	FP-C2012-125-0_2-IPC_C	OMP-08246-005698-1	4
C1206C107M9PACTU_X5R1206	CAP-CER,100UF 6.3V X5R 1206	C34, LM, C34, RM	FP-C1206CEH-MFG	OMP-1037-05005-3	2
0805C475M9PACTU		C35, LM, C35, RM	0805C475M9PACTU_0725	OMP-2007-01014-1	2
0805C152KA12A		C36, LM, C36, RM, C37, LM, C37, RM	0805C152KA12A_0725	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
L3GD20HTR	Integrated Circuit	I1	HBLUS100DLTR	L3GD20HTR	1
TO427ACOA	Integrated Circuit	I2, LM, IC2, RM	SOTC127P600X175-8N	TO427ACOA	2
	Connector Header Through Hole 2 position 0.098 (2.50mm)	J1, J2, J3	JST_B2B-XHA(LF)(SN)	B2B-XHA(LF)(SN)	3
	Connector Header Through Hole 3 position 0.098 (2.50mm)	J4, J5, J6, J7	JST_B3B-XHA(LF)(SN)	B3B-XHA(LF)(SN)	4
M20-9720345	Connector	J8	HDRW16P4P254_ZX3, 762X538X504	M20-9720345	1
TS-104-G-AA		J9	SHM104S-104-G-AA	TS-104-G-AA	1
240-004	Connecotor	J10, LM, J10, RM	HDRW16P4P254_1X6, 61520X254X009	240-004	2
M22-2010705	Connecotor	J11	HDRW16P4P254_1X7, 71400X200X459	M22-2010705	1
LBR012T100K	Inductor	L1, L2, L3	INDC012X14N	LBR012T100K	3
A1-123-TWT-3V2-R	BL02E9-MAGNETIC3V	LSI	FP-A1-123-TWT-3V2-12MTH	OMP-10388-00003-1	1
HMSC150	LED RED DIFFUSED CHIP SMD	PWR	FP-HMSC150-MFG	OMP-21615-00001-1	1
FDV303N	N-Channel MOSFET Transistor, 8V VGS, 25 VDSS, 0.68 A -55 to 150 degC, 3-Pin SOT23, RoHS, Tape and Reel	Q1	FAIRFDV303N-3_V	OMP-2000-05111-1	1
ZAHC3F381N8TC	MOSFET (N-Channel)	Q2, LM, C2, RM	SOTC127P600X170-8N	ZAHC3F381N8TC	2
CRGC0201018K	CRGC0201018K 0.75W@100ppm/°C 1%200V	R1	FP-CRGCC02010-IPC_C	OMP-03211-008837-1	1
ERU-P06D1002V	Resistor	R2	ERU-P06D1000V	ERU-P06D1002V	1
0805WBF1001SE	Resistor	R3	RES20136SN	0805WBF1001SE	1
ERA3AEB133V		R4, R6, R10, LM, R10, RM, R11, LM, R11, RM, R23	085CH1600V55V303ML20_T20	OMP-2000-00064-1	7
ERA-3AEB103V	RESMD 10K OHM 0.1% 1/10W/0603	R5, R7, R8, LM, RB, RM, R9, LM, RB, RM	FP-ERA3A-IPC_C	OMP-2000-00874-2	6
ERUJ06J102V		R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22	RES_ERUJ06J102V	ERUJ06J102V	11
E03218	Switch	S1	E03218	E03218	1
TS1-34-035-BK-160-SMTTR	Switch	S2, S3	TS1-34-035-BK-160-SMTTR	TS1-34-035-BK-160-SMTTR	2
PTSG263MG203MTR21_JFS	Switch	S4	PTSG263MG203MTR21_JFS	PTSG263MG203MTR21_JFS	1
AMS1117-3.3	DC/DC Voltage Regulators 1A 3.3V	U1	FP-AMS1117-IPC_C	OMP-20953-00001-1	1
TPS76500D	Single Output Low Noise LDO, 400 mA, Fixed 3.3V Output, 1.7 to 5.5V Input, with Reverse Current Protection, 5-pin SOT-23 (DBV), -40 to 85 degC, Green (RoHS & no Sb/Br)	U2	D0008A_L	OMP-0395-00120-2	1
TPS7633DB/T	Single Output Low Noise LDO, 400 mA, Fixed 3.3V Output, 1.7 to 5.5V Input, with Reverse Current Protection, 5-pin SOT-23 (DBV), -40 to 85 degC, Green (RoHS & no Sb/Br)	U3	DBV0005A_M	OMP-0395-00251-2	1
STM32F405RGTBV	ARM Cortex-M 32-bit MCUs, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U4	STM-LQFP64_V	OMP-0243-00092-2	1
NX5032GA-16.000M-LN-CD-1	Crystal or Oscillator	Y1	NX5032GA16000000M_H2LNCD1	NX5032GA-16.000M-LN-CD-1	1