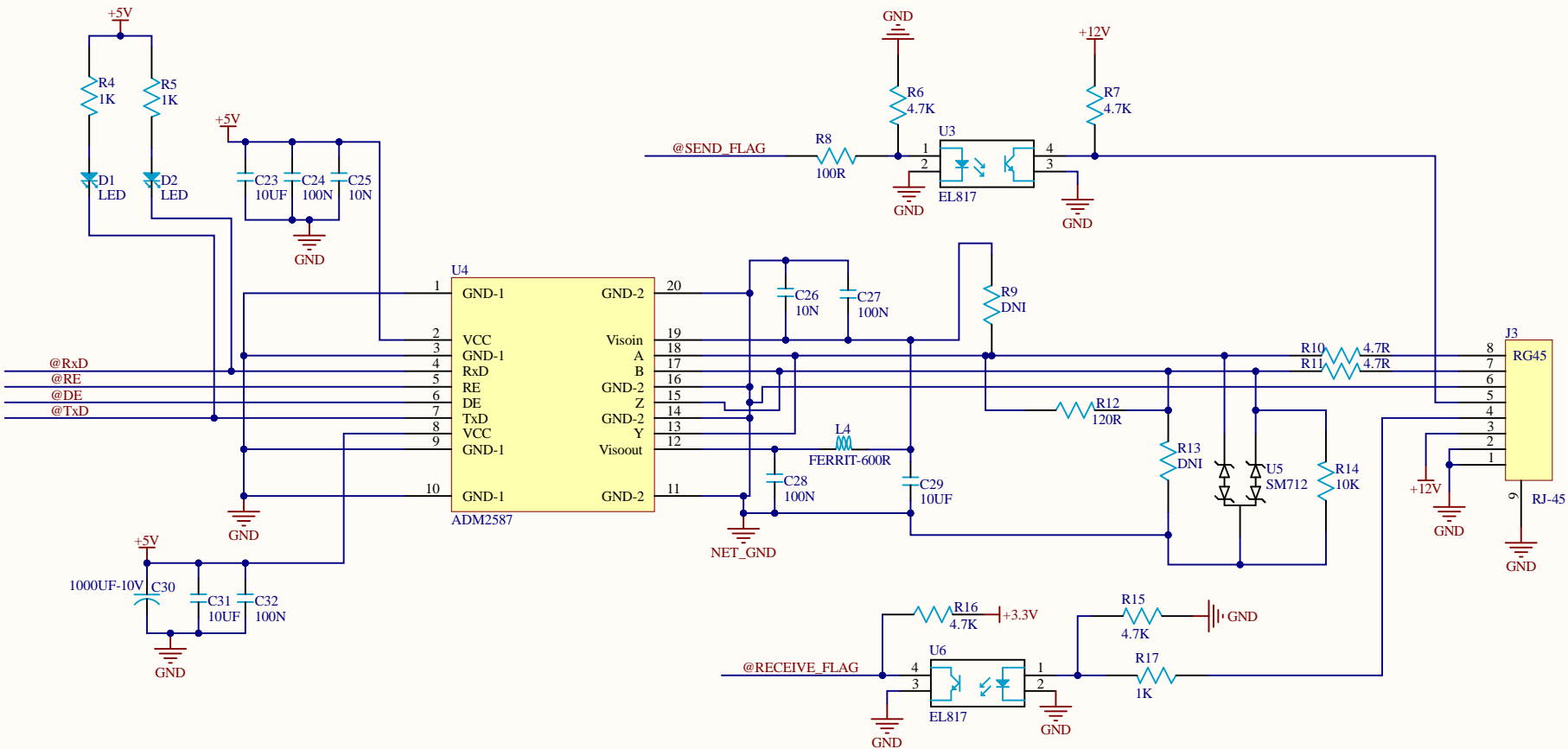
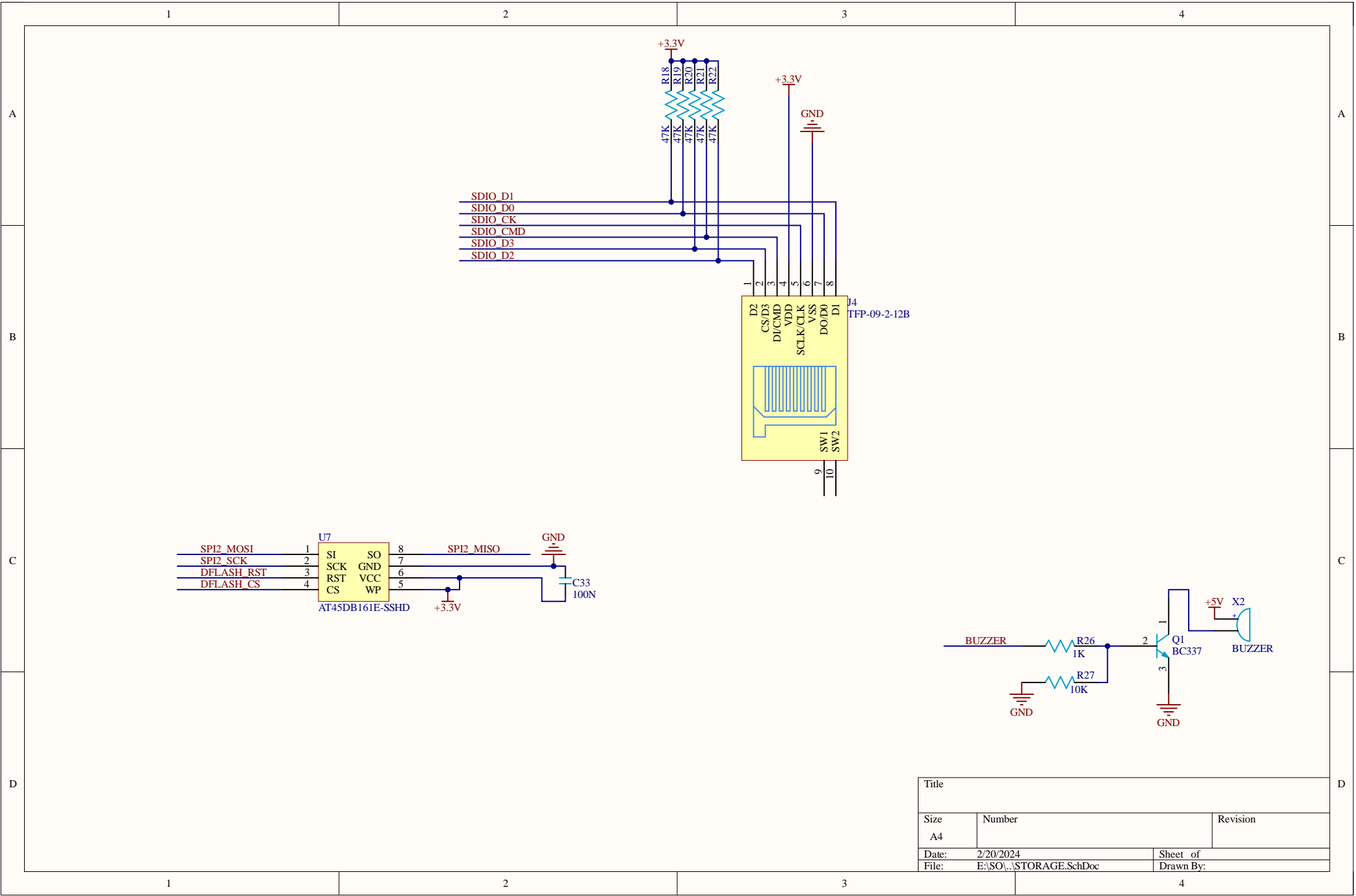


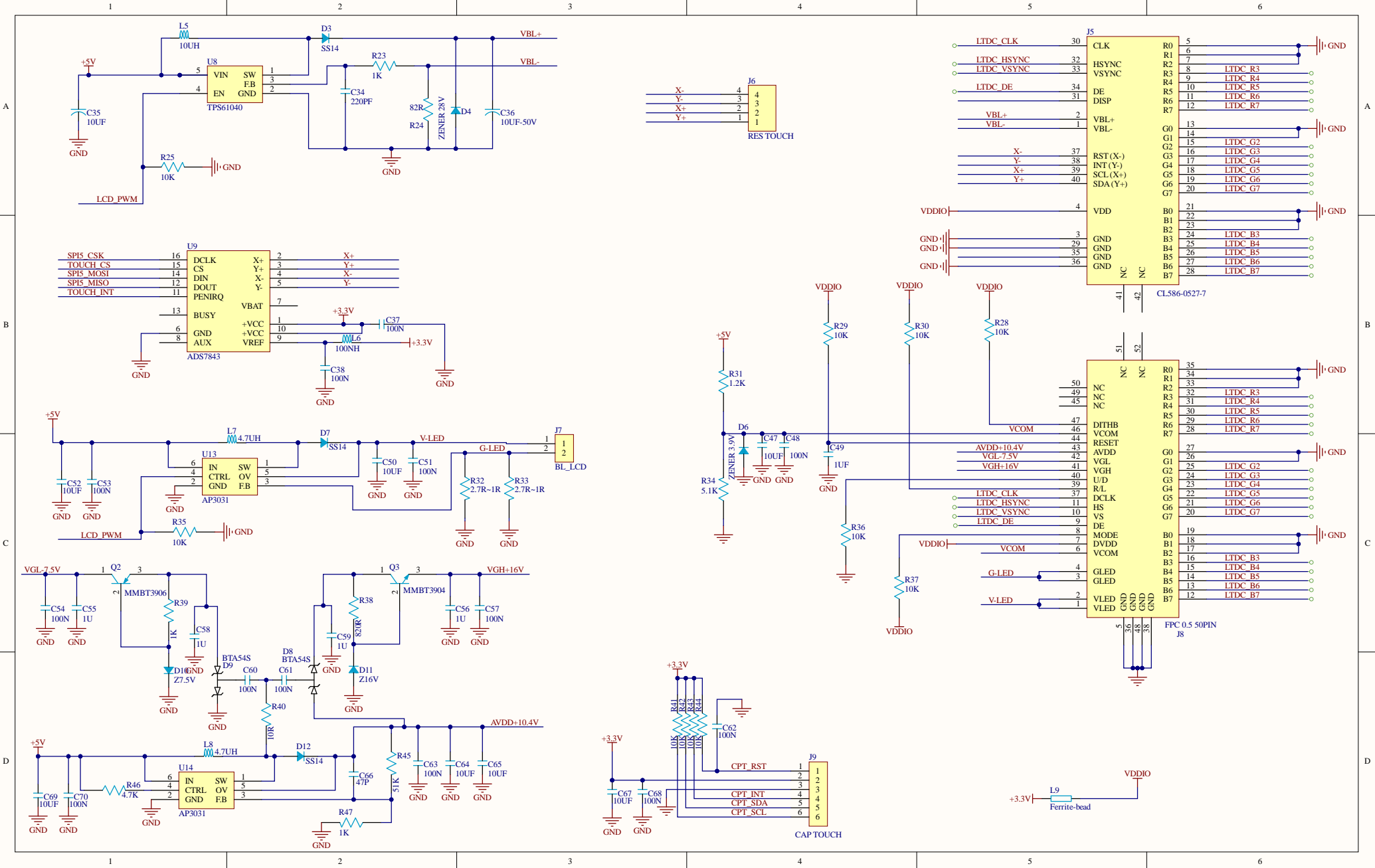


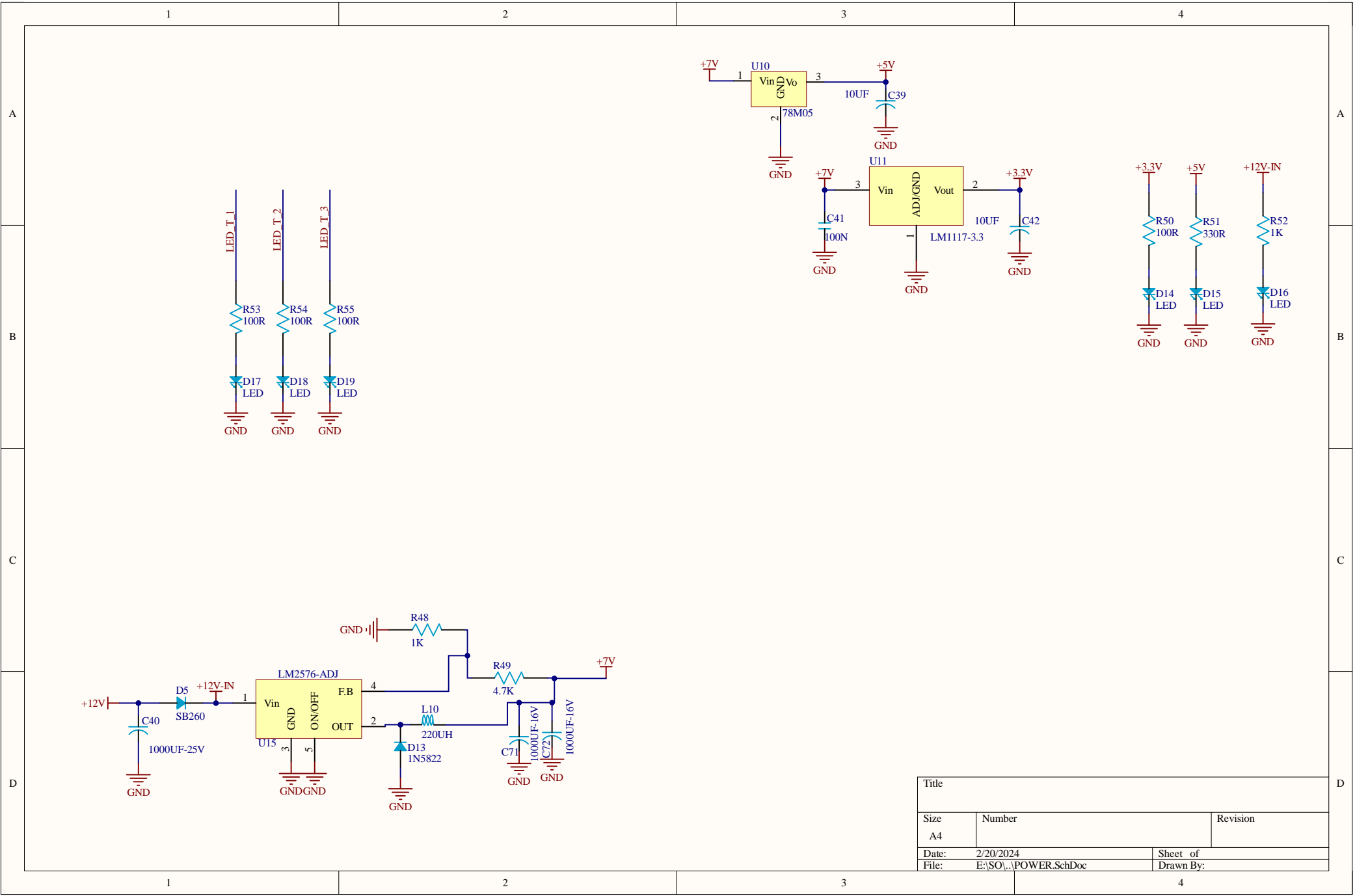
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Size A4	Number	Revision
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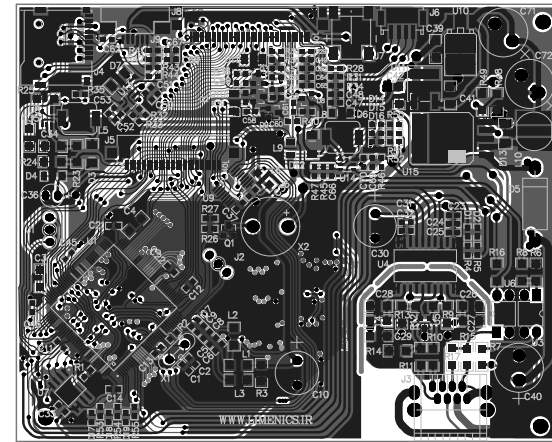


Title		
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A4		
Date:	2/20/2024	Sheet of
File:	E:\SO\...\NETWORK_RS485.SchDoc	Drawn By:









Comment	Description	Designator	Footprint	LibRef	Quantity
18PF		C1, C2, C7	0603	CAP	3
2.2UF		C3, C4	1206	CAP	2
100N		C5, C9, C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C22, C24, C32, C33, C37, C38, C45, C46, C48, C51, C53, C54, C57, C60, C61, C62, C63, C68, C70	0603	CAP	31
1UF		C6, C8, C49	0603	CAP	3
1000UF-10V		C10, C30	RB.2/4	CAP_POL	2
10UF		C20, C23, C31, C47, C50, C52, C64, C65, C67, C69	0603	CAP	10
10N		C25	0603	CAP	1
10N		C26	1206	CAP	1
100N		C27, C28, C41	1206	CAP	3
10UF		C29, C35, C39, C42	1206	CAP, CAP_POL	4
220PF		C34	1206	CAP	1
10UF-50V		C36	RB.1/3	CAP_POL	1
1000UF-25V		C40	RB.2/4	CAP_POL	1
1U		C55, C56, C58, C59	0603	CAP	4
47P		C66	0603	CAP	1
1000UF-16V		C71, C72	RB.2/4	CAP_POL	2
LED		D1, D2, D14, D15, D16, D17, D18, D19	0603	LED	8
SS14		D3, D7, D12	SOD-123-B	DIODE	3
ZENER 28V		D4	SOD-123	DIODE	1
SB260		D5	DIODE0.1	DIODE	1
ZENER 3.9V		D6	SOD-123	DIODE	1
BTAS45		D8, D9	SOT-23	BTAS45	2
Z7.5V		D10	MINI-MELF	DIODE	1
Z16V		D11	MINI-MELF	DIODE	1
1N5822		D13	SOD-123-B	DIODE	1
PROG		J1	SIP3	SIP3	1
DEBUG		J2	SIP3	SIP3	1
RJ-45		J3	RJ-45	RJ-45	1
TFP-09-2-12B		J4	TFP-09-2-12B	USD	1
CLS86-0527-7		J5	PFC-40	FPC 0.5 40PIN	1
RES TOUCH		J6	4PIN-1.5MM-SMD	4-PIN	1
BL_LCD		J7	BL_LCD	BL_LCD	1
FPC 0.5 50PIN		J8	PFC-50	FPC 0.5 50PIN	1
CAP TOUCH	FPC-6-TOP-1MM	J9	FPC-6-TOP-1MM	FPC-6-TOP-1MM	1
10UH		L1, L2, L3	1206	SELF	3
FERRIT-600R		L4	1206	SELF	1
10UH		L5	SELF_7MM	SELF	1
100NH		L6	1206	SELF	1
4.7UH		L7, L8	SELF_7MM	SELF	2
Ferrite-bead		L9	0805	Ferrite-bead	1
220UH		L10	SELF_SMD_CD75	SELF	1
BC337		Q1	BC337	NPN-SMD	1
MMBT3906		Q2	BC337	PNP-SMD	1
MMBT3904		Q3	BC337	NPN-SMD	1
2.2K		R1, R2	0603	RES	2
100R		R3, R8	1206	RES	2
1K	[NoValue], RES	R4, R5, R26, R39, R47, R52	0603	RES	6
4.7K		R6, R7, R15, R16, R49	1206	RES	5
DNI		R9, R13	1206	RES	2
4.7R		R10, R11	1206	RES	2
120R		R12	1206	RES	1
10K	[NoValue], RES	R14, R25	1206	RES	2
1K	[NoValue], RES	R17, R23, R48	1206	RES	3
47K	RES	R18, R19, R20, R21, R22	0603	RES	5
82R	RES	R24	1206	RES	1
10K	[NoValue], RES	R27, R28, R29, R30, R35, R36, R37, R41, R42, R43, R44	0603	RES	11
1.2K	RES	R31	0603	RES	1
2.7R-1R	RES	R32, R33	0603	RES	2
5.1K	RES	R34	0603	RES	1
820R	RES	R38	0603	RES	1
10R	RES	R40	0603	RES	1
51K	RES	R45	0603	RES	1
4.7K	RES	R46	0603	RES	1
100R		R50, R53, R54, R55	0603	RES	4
330R		R51	0603	RES	1
STM32F429ZGT6	ARM Cortex-M4 32-bit MCU+FPU, 225 DMIPS, 1024 kB Flash, 256 kB Internal RAM, 114 I/Os, 144-pin LQFP, -40 to 85 degC, Tray	U1	STM-LQFP144_N	STM32F429ZGT6	1
MT48LC16M16A2P-75		U2	TSOP-54	MT48LC16M16A2P-75	1
EL817		U3, U6	DIP4	TLPS21	2
ADM2587		U4	SOIC20_W	AMD2582	1
SM712		U5	SOT-23	SM712	1
AT45DB161E-SSHD		U7	8S2	AT45DB161E-SSHD	1
TPS61040		U8	SOT23-5	TPS61040	1
ADS7843		U9	TSSOP-16	ADS7843	1
78M05		U10	DPAK	REG	1
LM1117-3.3		U11	TO_252	LM1117	1
AP3031		U13, U14	SOT23-6	AP3031	2
LM2576-ADJ		U15	CASE936A	LM2576	1
8MHz		X1	XTAL_1	XTAL	1
BUZZER		X2	BUZZER	BUZZER	1