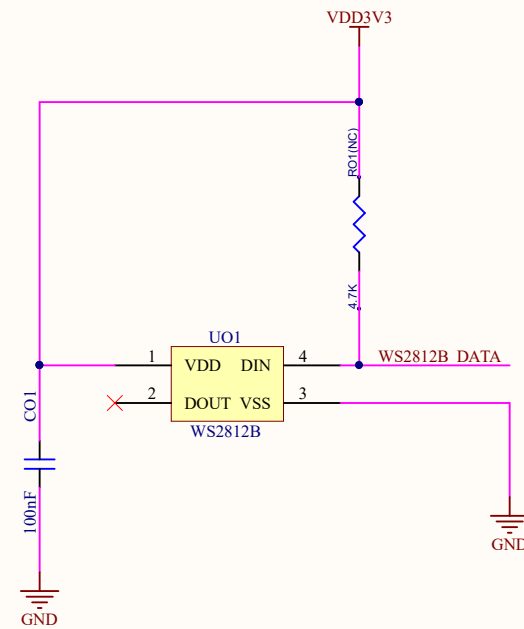
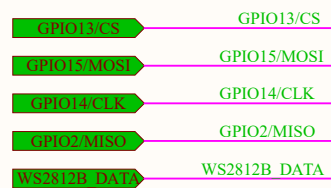
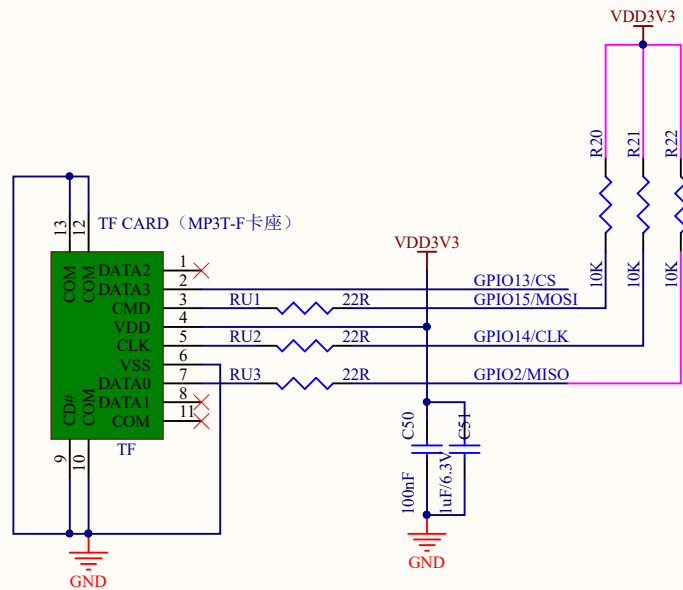
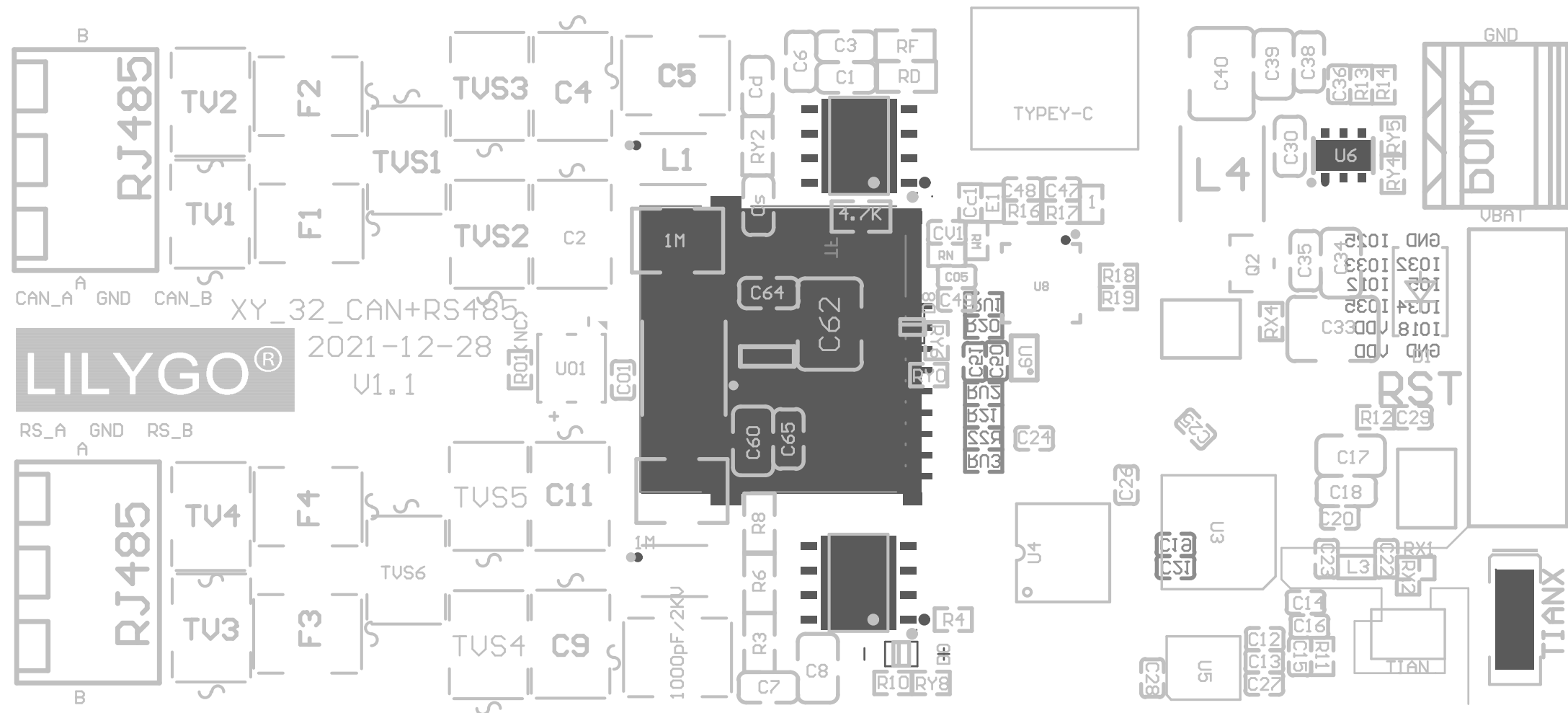


Title		
Size	Number	Revision
A3		
Date:	2022/1/10	Sheet of
File:	D:\45元电子\ESP32+CAN+RS485\POWER\BOM\	Rev:



Title		
Size A4	Number	Revision
Date: 2022/1/10	Sheet of	
File: D:\芯元电子\ESP32+CAN+RS485\SD卡驱动\	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
ESD05V88D		1, E1	LC-0402_R	ESD	2
4.7uF/10V		C1	LC-0603_C	C	1
33pF		C2, C4	F1812	C	2
100nF		C3, C7, C18, C35, C38, C64, C65	LC-0603_C	C, CAP, C, CAP NP, CAP NP, CAP NP, CAP NP	7
100nF	[NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], Capacitor, [NoValue], [NoValue]	O05, C13, C14, C20, C21, C25, C26, C49, C50, C01, CV1	LC-0402_C	C, C, C, C, C, C, C, C, Cap, C, C	11
1000pF/2KV		C5, C10	F1812	C	2
10pF,25V		C6	LC-0603_C	CAP	1
4.7uF/10V		C8	LC-0805_C	C	1
100pF		C9, C11	F1812	C	2
1uF/6.3V	[NoValue], [NoValue], [NoValue], [NoValue], Capacitor	C12, C19, C24, C29, C51	LC-0402_C	C, C, C, C, Cap	5
3nF		C15	LC-0402_C	C	1
10nF		C16	LC-0402_C	C	1
22uF/6.3V		C17	LC-0805_C	C	1
1.2pF		C22	LC-0402_C	C	1
NC		C23	LC-0402_C	C	1
22pF		C27, C28, C36	LC-0402_C	C, C, CAP NP	3
1uF/25V		C30	LC-0603_C	CAP NP	1
47UF/16V		C33, C62	LC-1210_C	CAP NP	2
22UF/16V		C34	LC-0805_C	CAP NP	1
22UF/10V		C39, C60	LC-0805_C	CAP NP	2
22UF/10V		C40	LC-1210_C	CAP NP	1
47pF		C47, C48	LC-0402_C	C	2
5.1K		Cc1	LC-0402_R	R	1
30pF,25V		Cd, Cs	LC-0603_C	CAP	2
IN4148		D0, D8	LC-SOD-323	DIODE ZENER_4_1	2
SS24		D1	DO-214AC	DIODE ZENER_4_1	1
SMD1812P014TF		F1, F2, F3, F4	F1812	SMD1812P014TF	4
Header-Male-2.54_2x15		H1	HDR-TH_30P-P2.54-V-M-R2-C15-S2.54	Header-Male-2.54_2x15	1
SDCW3225S-2-102TF		L1, L2	FILTER-SMD_4P-L3.2-W2.5-BL	Sunlord	2
2.0nH	Power Inductor, 4.7uH, 0.7A, 260mR DCR	L3	LC-0402_L		1
SWPA5020S100MT	Power Inductor, 4.7uH, 0.7A, 260mR DCR	L4	IND-SMD_L3.0-W3.0_SWPA3010S		1
SMNR4020-22UH	Power Inductor, 4.7uH, 0.7A, 260mR DCR	LP	IND-SMD_L3.0-W3.0_SWPA3010S		1
RJ485		P1, P2	CONN-TH_3P-P3.81_L7.4-W11.4	3P	2
POWR	Header, 2-Pin, Right Angle	P3	CONN-TH_2P-P3.81_DB125-3.81-2P-BK-S	Header 2H	1
SI2307		Q2	SOT-23 - GDS	PWRMOSFET_EP_DGS0	1
4.7K		R1, R3, R8	LC-0603_R	RES, R, R	3
1M		R2, R5	LC-1210_R	R	2
2K		R4, RY0	LC-0402_R	R	2
120R		R6, RY2	LC-0603_R	R	2
10K		R10, R20, R21, R22	LC-0402_R	R	4
20K		R11	LC-0402_R	R	1
100K		R12, RX4, RY4, RY5	LC-0402_R	R	4
100K%I		R13	LC-0402_R	R	1
31.6K%I		R14	LC-0402_R	R	1
33R		R16, R17	LC-0402_R	R	2
100R		R18, R19	LC-0402_R	R	2
0R		RD, RF	LC-0603_R	RES	2
0R		RM, RN, RX1, RX2	LC-0402_R	R	4
4.7K		RO1(NC), RY6, RY8	LC-0402_R	R_Dup1, R, R	3
22R		RU1, RU2, RU3	LC-0402_R	R	3
3*4*2MM (灰色按键)	Switch	S1, S2	TS-018TS-018	SW-PB	2
TF CARD (MP3T-F卡座)		TF	TF-SMD_TF-015	TF CARD	1
SMD4532-090NF		TV1, TV2, TV3, TV4	F1812	SMD4532-090NF	4
BV-T324Z2CA		TVS1	F1812	ESD	1
SMBJ15CA		TVS2	F1812	ESD	1
SMAJ6.0CA		TVS3	F1812	ESD	1
SMAJ12CA		TVS4, TVS5, TVS6	F1812	ESD	3
sn65hvd231dr		U1	SOIC-8_L5.0-W4.0-P1.27-L56.0-BL-EP	SN65HVD230QDG4Q1	1
MAX13487E		U2	SOIC-8_L5.0-W4.0-P1.27-L56.0-BL-EP	MAX13487E	1
ESP32		U3	QFN48	ESP32	1
W25Q32		U4	SOP-8	GD25LQ128DSIGR	1
40MHZ		U5	XTAL3225	CRY-D3225	1
MT1471		U6	SOT-23-6_L2.9-W1.6-P0.95-L52.8-BR	MT1471	1
TYPEY-C		U7	TYPE-C3.0	TYPEY-C	1
CH9102F		U8	QFN-24_L4.0-W4.0-P0.50-BL-EP2.5	CH9102F	1
UMH3N		U9	SOT-363	UMH3N	1
WS2812B		UO1	LED-SMD_4P-L3.5-W3.5-TL_WS2812B	WS2812B	1
ME2107A50M5G		UP	LC-SOT-23-5	ME2107A50M5G	1
TIAN		XX1	ANT_JACK	TIANX	1
TIANX		XX2	ANT-SMD_L5.2-W2.0	TIANX	1