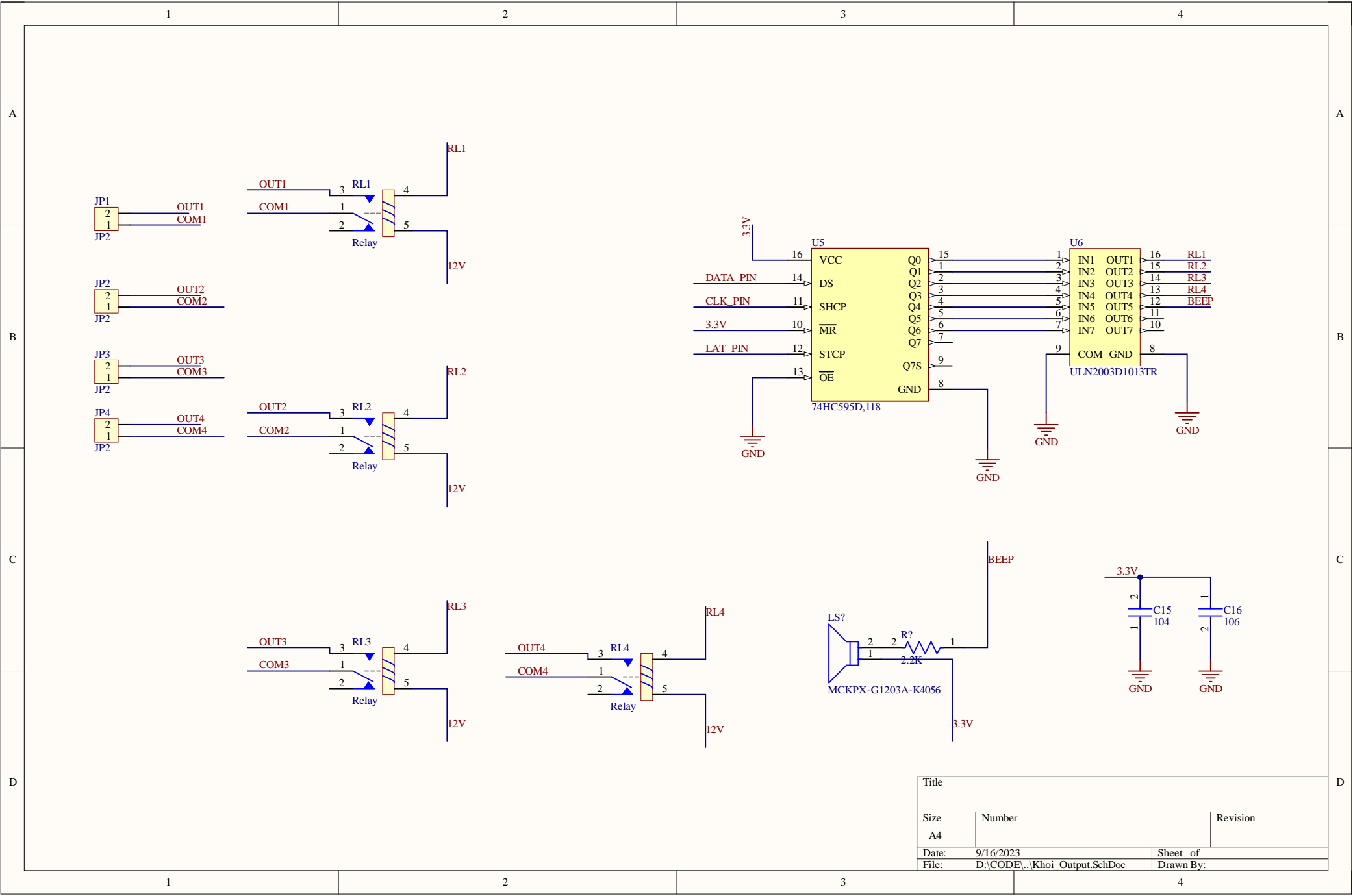


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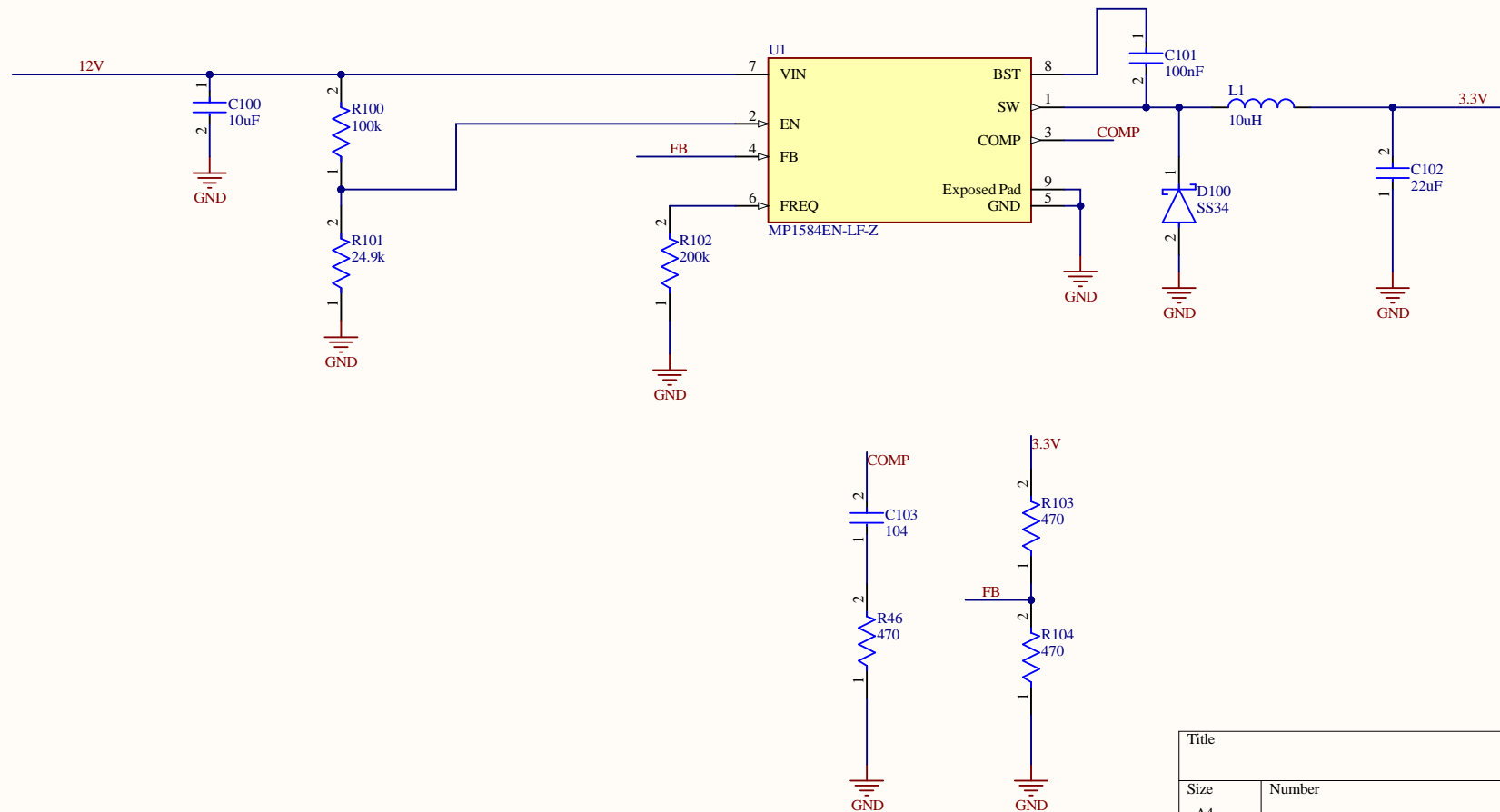


ESP hoạt động với công suất 0.5A -> 1A với điện á 3,3V

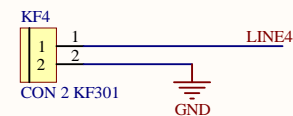
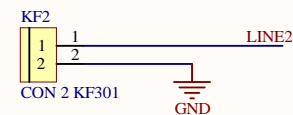
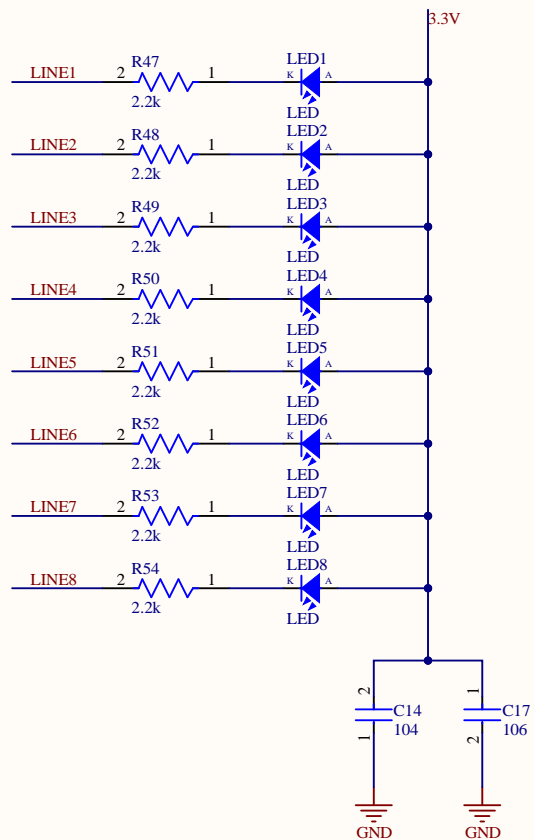
ULN2003 Max công suất với 0.5A

74HC595 với 0.07A

74HC4067 với 0.05A



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Title		
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Comment	Description	Designator	Footprint	LibRef	Quantity
104	CAP CER 0.1UF 16V X7R 0402	C1, C3, C4, C5, C6, C7, C8, C9, C10, C12, C14, C15, C20, C21, C25, C31, C103	FP-GRM15-MFG	CMP-2100-03641-2	17
106	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 6.3V	C2, C11, C13, C16, C17, C26	FP-GRM188-0_1-e0_2_0_55-IPC_A	CMP-2006-02792-2	6
10uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 6.3V	C100	FP-GRM188-0_1-e0_2_0_55-IPC_A	CMP-2006-02792-2	1
100nF	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 6.3V	C101	FP-GRM188-0_1-e0_2_0_55-IPC_A	CMP-2006-02792-2	1
22uF	CAP CER 0.1UF 16V X7R 0402	C102	FP-GRM15-MFG	CMP-2100-03641-2	1
Green	LED GREEN CLEAR CHIP SMD	D1	FP-LTST-C190GKT-MFG	CMP-22017-000005-2	1
Res	LED GREEN CLEAR CHIP SMD	D2	FP-LTST-C190GKT-MFG	CMP-22017-000005-2	1
Blue	LED GREEN CLEAR CHIP SMD	D3	FP-LTST-C190GKT-MFG	CMP-22017-000005-2	1
SS34	DIODE SCHOTTKY 40V 3A SOD123W	D100	FP-SS34LWH-MFG	CMP-15604-000001-1	1
USB_TTL	CONN HEADER VERT 4POS 1.25MM	J1	FP-DF13-4P-1_25DSA0	CMP-11610-000002-1	1
JP2	Connector 2	JP1, JP2, JP3, JP4	CON2	Con2	4
CON 2 KF301	Conn	KF1, KF2, KF3, KF4	Con 2 KF301 5.08	CON 2 KF301	4
10uH	Power Inductor, 10 uH, +/- 20%, -40 to 100 degC, 2-Pin SMD, RoHS - Tape and Reel	L1	SUMI-CDRH127_V	CMP-2000-06084-1	1
CDRH127NP-100MC	Power Inductor, 10 uH, +/- 20%, -40 to 100 degC, 2-Pin SMD, RoHS, Tape and Reel	L2	SUMI-CDRH127_V	CMP-2000-06084-1	1
LED	LED Single colour Green and Red	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8	LED0603	LED	8
MCKPX-G1203A-K4056	MAGNETIC BUZZER AND TRANSDUCER - More Details	LS?	FP-MCKPX-G1203A-K4056-MFG	CMP-12433-000001-1	1
ESP32-WROOM-32	RX TXRX MOD WIFI SURFACE MOUNT	MD1	FP-ESP32-WROOM-32-MFG	CMP-194065-000008-1	1
470	RES SMD 100K OHM 1% 1/10W 0402	R1, R2, R3, R7, R8, R9, R10, R20, R21, R46, R103, R104	FP-ERJ2RK-MFG	CMP-2002-00608-4	12
1K	RES SMD 100K OHM 1% 1/10W 0402	R4, R11, R12, R13, R14, R15, R16, R17, R18, R19, R22, R23, R24, R25, R26, R27, R28, R29, R30, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45	FP-ERJ2RK-MFG	CMP-2002-00608-4	32
2.2K	RES SMD 100K OHM 1% 1/10W 0402	R5, R6, R47, R48, R49, R50, R51, R52, R53, R54, R?	FP-ERJ2RK-MFG	CMP-2002-00608-4	11
140k	RES SMD 100K OHM 1% 1/10W 0402	R31	FP-ERJ2RK-MFG	CMP-2002-00608-4	1
42K	RES SMD 100K OHM 1% 1/10W 0402	R32	FP-ERJ2RK-MFG	CMP-2002-00608-4	1
100k	RES SMD 100K OHM 1% 1/10W 0402	R100	FP-ERJ2RK-MFG	CMP-2002-00608-4	1
24.9k	RES SMD 100K OHM 1% 1/10W 0402	R101	FP-ERJ2RK-MFG	CMP-2002-00608-4	1
200k	RES SMD 100K OHM 1% 1/10W 0402	R102	FP-ERJ2RK-MFG	CMP-2002-00608-4	1
Relay	Relay SPDT 5 Pin	RL1, RL2, RL3, RL4	RL_SPDT_10A	Relay 1	4
PTS645SM43SMTR92LFS	SWITCH TACTILE SPST NO 0.05A 12V	SW1, SW2	FP-PTS645SM43SMTR92LFS-MFG	CMP-2000-05160-2	2
MP1584EN-LF-Z	IC REG BUCK ADJ 3A	U1	FP-MP1584EN-LF-Z-MFG	CMP-57379-000006-1	1
CD74HC4067SM96	IC MUX/DENMUX 1X16 24SSOP	U2	FP-DB0024A-IPC_C	CMP-04892-000038-1	1
LM393DR2G	Low Offset Voltage Dual Comparators, 2 to 36 V, 0 to 70 degC, 8-Pin SOIC, Pb-Free, Tape and Reel	U3	ONSC-SOIC-8-751-07_V	CMP-1305-00048-1	1
74HC595D,118	IC SHIFT REGISTER 8BIT 16SOIC	U5	FP-SOT109-1-IPC_C	CMP-14351-000006-1	1
ULN2003D1013TR	Seven NPN Darlington Array Transistor, 50 V, 500 mA, -40 to 85 degC, 8 Pin SOIC, RoHS, Tape and Reel	U6	STM-SO-16_M	CMP-2000-05374-1	1