



Title		
Size	Number	Revision
A3		
Date:	18.05.2024	Sheet of
File:	D:\makin\esp_stm_v1.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
18pF	Capacitor	C1, C4	1206	Cap	2
560pF	Capacitor	C2, C3	SMD-1206-RES	Cap	2
0.1uF	Capacitor	C5, C12	SMD-1206-RES	Cap	2
0.1uF	Capacitor	C6, C7, C8, C9, C10, C11, C14	1206	Cap	7
GRM32DR71E106KA12L	SMD Capacitor X7R_EIA_ with Capacitance: 10uF Tol. 10%. Rated Voltage: 25Vdc	C13	CAPC3225X270N	GRM32DR71E106KA12L	1
1051620001_mircroSD socket		CARD1	1051620001 MOLEX	1051620001_mircroSD socket	1
PESD1CAN_215		D1	SOT-23-3	PESD1CAN_215	1
PR20203VBNN	Connector Header Through Hole 3 position 0.100 _2.54mm_	J1	TE_640456-3	640456-3	1
640454-2	02P MTA100 HDR ASSY SQ STR POL	J2	TE_640454-2	640454-2	1
FTDI_BASIC		JP1	FTDI_BASIC	FTDI_BASIC	1
Header 3	Header, 3-Pin	P1, P2	HDR1X3	Header 3	2
1K	Semiconductor Resistor	R1	1206	Res Semi	1
100	Semiconductor Resistor	R2, R3	SMD-1206-RES	Res Semi	2
4.7K	Semiconductor Resistor	R4	SMD-1206-RES	Res Semi	1
120	Semiconductor Resistor	R5	SMD-1206-RES	Res Semi	1
10K	Semiconductor Resistor	R6, R7, R8, R9, R10, R11, R12	1206	Res Semi	7
STM32F103C8T6		U1	LQFP-48_L7.0-W7.0- P0.50-LS9.0-BL	STM32F103C8T6	1
MCP2551-I/SN		U2	SOIC8-1.27-5X4MM	MCP2551-I/SN	1
THVD1450DR		U3	SOIC-8_L4.9-W3.9-P1.27 LS6.0-BL	THVD1450DR	1
GPTS203211B Push Button On-Off		U4, U6	GPTS203211B- PUSHBUTTON-ON-OFF	GPTS203211B Push Button On-Off	2
ESP32-WROOM- 32E(4MB)bolong		U5	WIFI-SMD_ESP32- WROOM-32E	ESP32-WROOM- 32E(4MB)bolong	1
ABLS-8.000MHZ-B-4-T2		Y1	ABLS8000MHZB4T2	ABLS-8.000MHZ-B-4-T2	1