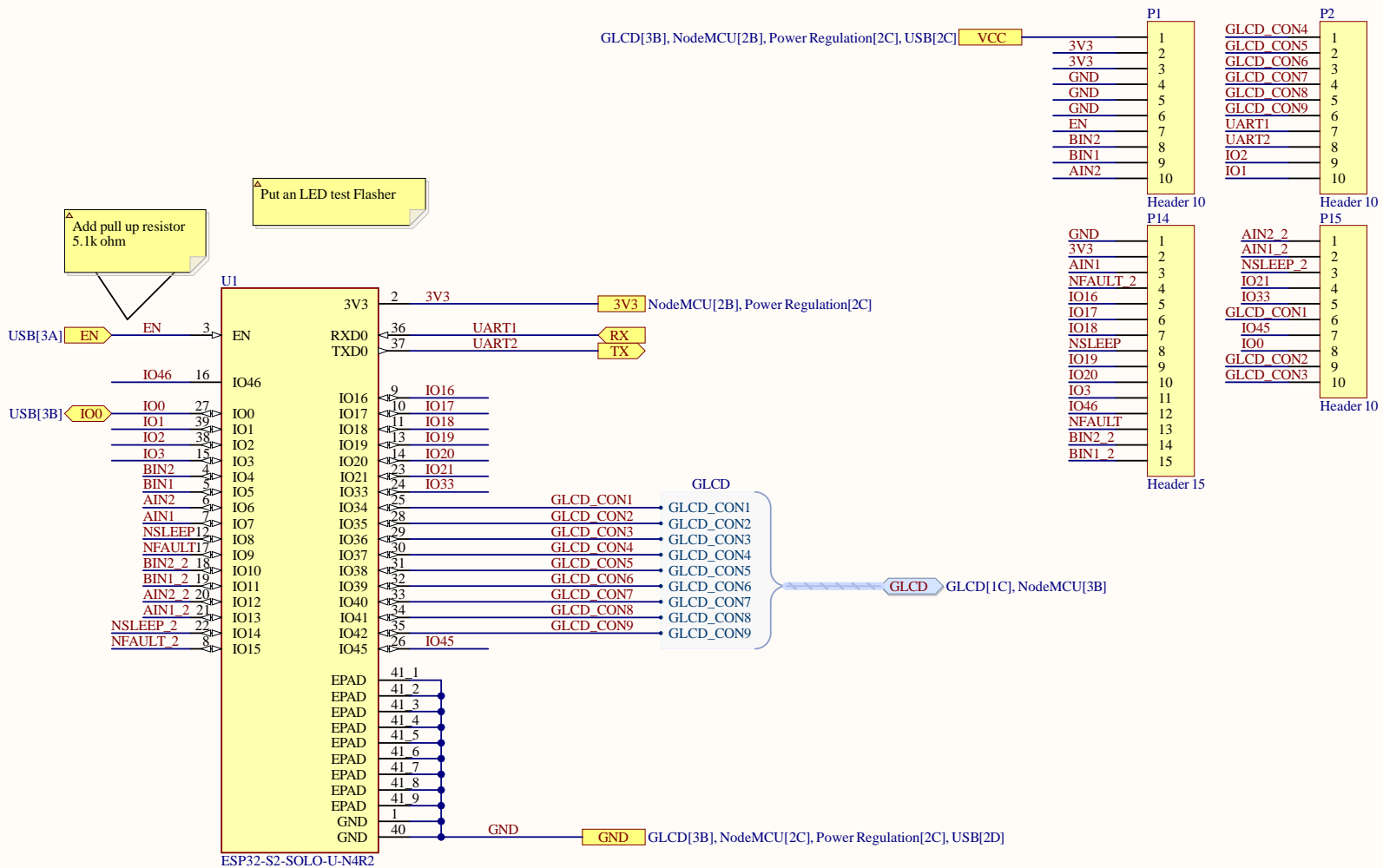
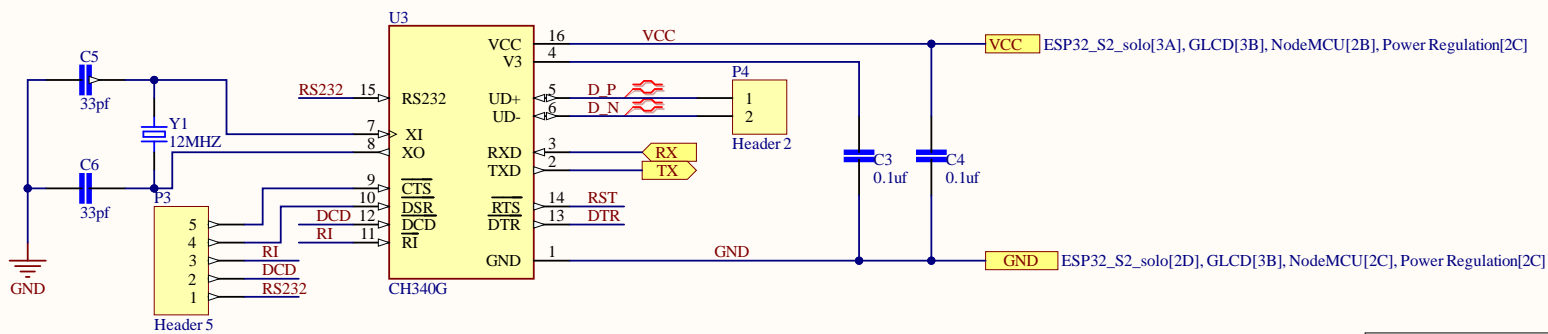
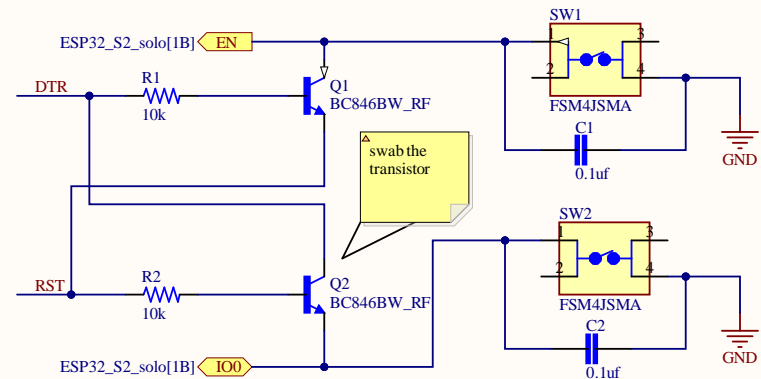
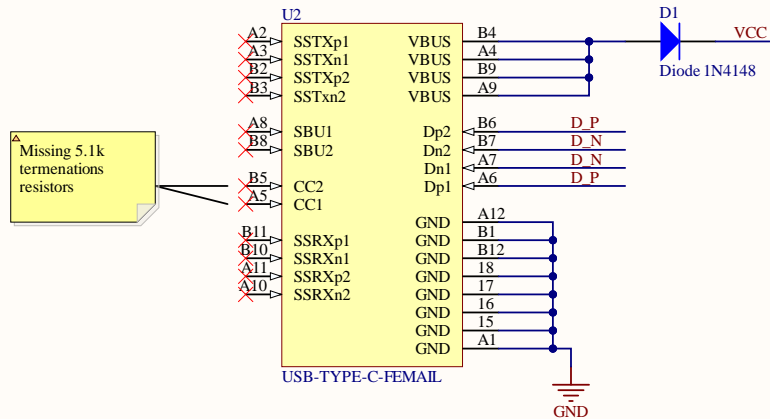


Title			
Block diagram			
Size	Number	Revision	
A4	1	V1.0	
Date:	3/23/2024	Sheet of	
File:	F:\HID_esp32_s2\..\Block Diagram.SchDoc	Drawn By: Naif Aljophani	

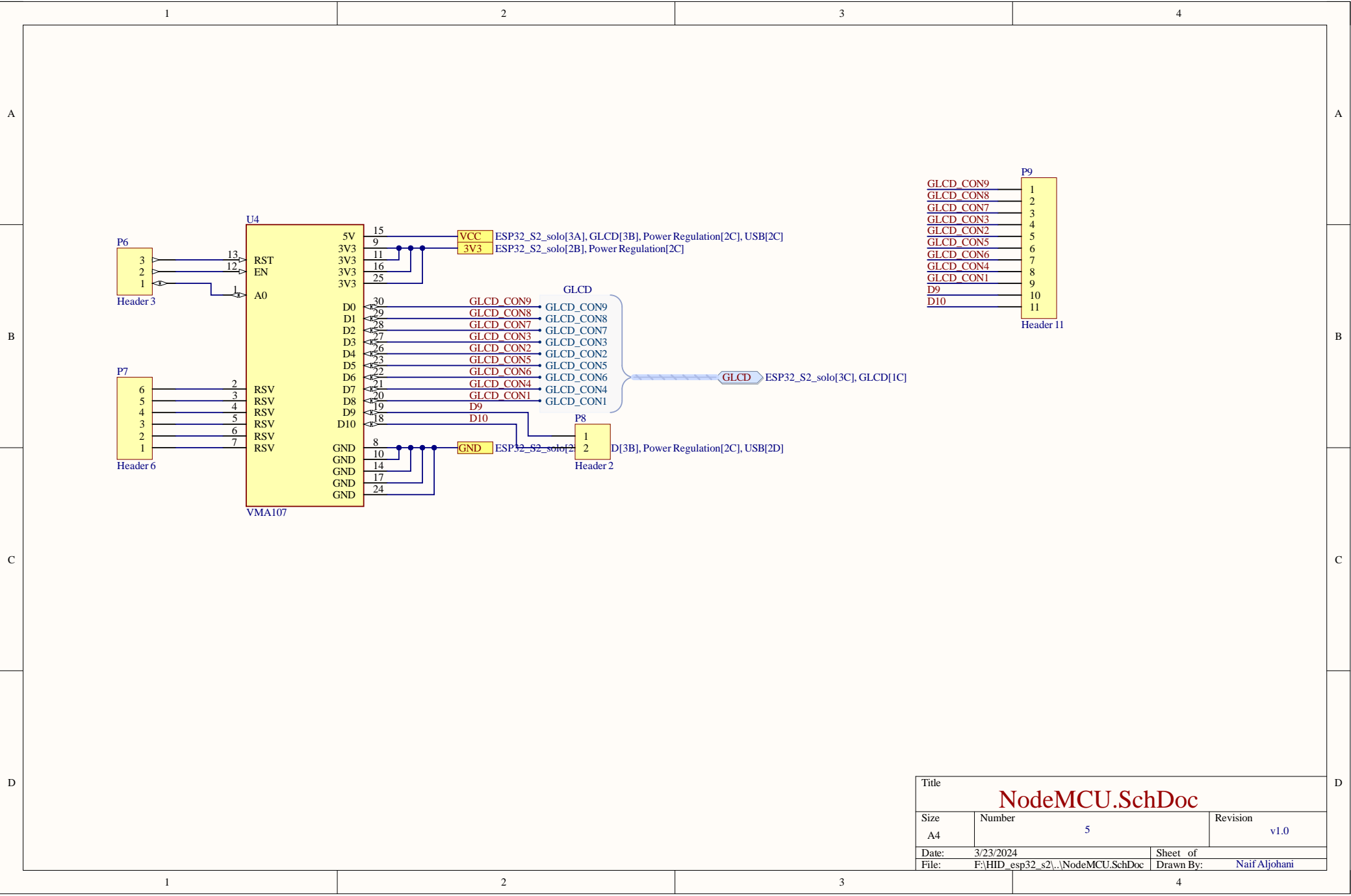




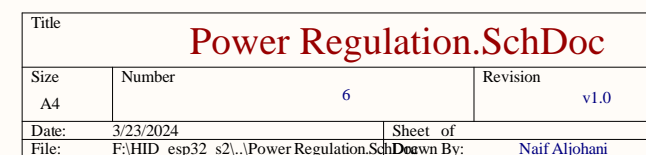
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Size	Number	3		Revision
A4				v1.0
Date:	3/23/2024	Sheet of		
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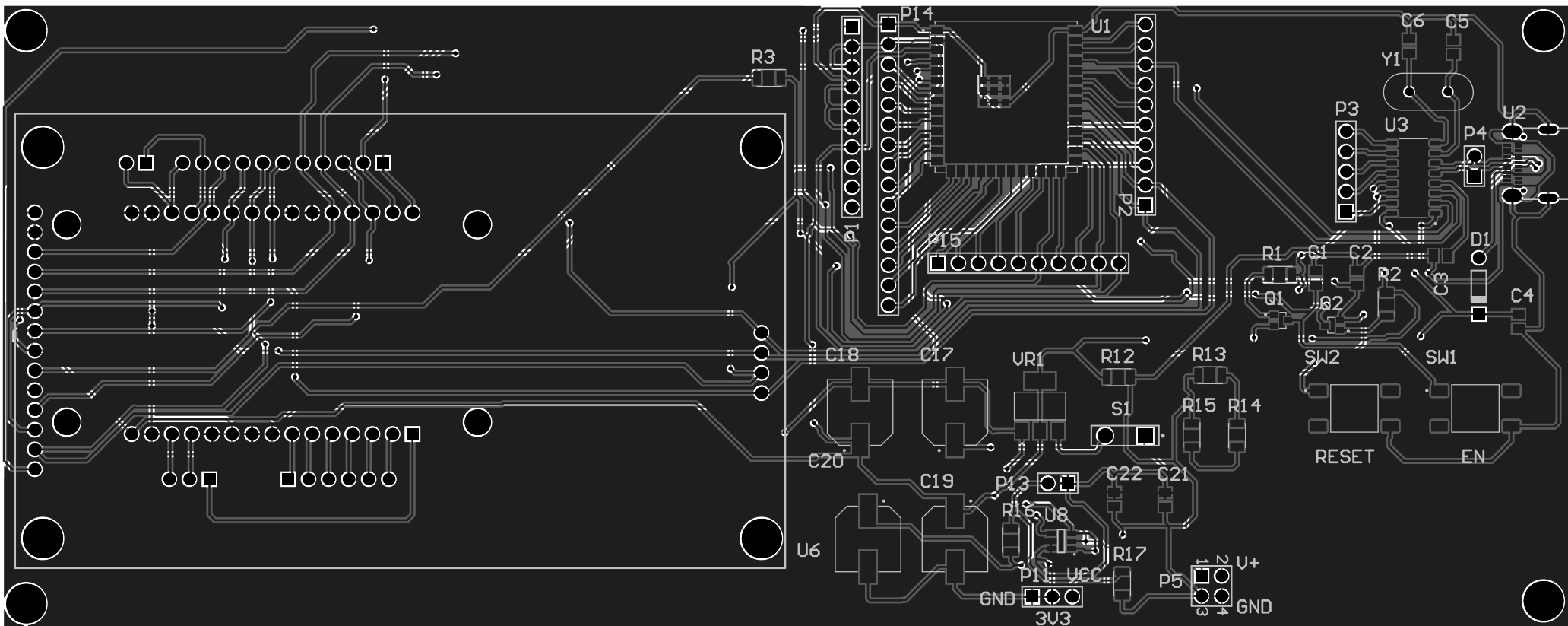


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Size	Number	Revision	
A4	4	v1.0	
Date:	3/23/2024	Sheet of	
File:	F:\HID_esp32_s2\...\USB.SchDoc	Drawn By:	Naif aljohani



Title			
NodeMCU.SchDoc			
Size	Number	Revision	
A4	5	v1.0	
Date:	3/23/2024	Sheet of	
File:	F:\HID_esp32_s2\...\NodeMCU.SchDoc	Drawn By:	Naif Aljohani





Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uf	120PF 100V 10% 0805	C1, C2, C3, C4, C21, C22	CAPC2012X140N	LD051A121KAB2A	6
33pf	120PF 100V 10% 0805	C5, C6	CAPC2012X140N	LD051A121KAB2A	2
EEEHA1V101UP		C17, C18, C19, C20	CAP_EEEHA1V101UP	EEEHA1V101UP	4
Diode 1N4148	High Conductance Fast Diode	D1	DO-35	Diode 1N4148	1
Header 10	Header, 10-Pin	P1, P2, P15	HDR1X10	Header 10	3
Header 5	Header, 5-Pin	P3	HDR1X5	Header 5	1
Header 2	Header, 2-Pin	P4, P8, P13	HDR1X2	Header 2	3
Header 2X2	Header, 2-Pin, Dual row	P5	HDR2X2	Header 2X2	1
Header 3	Header, 3-Pin	P6, P11	HDR1X3	Header 3	2
Header 6	Header, 6-Pin	P7	HDR1X6	Header 6	1
Header 11	Header, 11-Pin	P9	HDR1X11	Header 11	1
Header 15	Header, 15-Pin	P14	HDR1X15	Header 15	1
BC846BW_RF		Q1, Q2	TRANS_BC846BW_RF	BC846BW_RF	2
10k	RL73H 2B R43 1% 10 RL	R1, R2, R3	RESC3115X65N	1-1879462-4	3
1k	RL73H 2B R43 1% 10 RL	R12, R13, R14, R15, R17	RESC3115X65N	1-1879462-4	5
0 ohm	RL73H 2B R43 1% 10 RL	R16	RESC3115X65N	1-1879462-4	1
SW-SPST	Single-Pole, Single-Throw Switch	S1	SPST-2	SW-SPST	1
FSM4JSMA	Switch Tactile OFF (ON) SPST Round Button Gull Wing 0.05A 24VDC 2.6N SMD T/R	SW1, SW2	TE_FSM4JSMA	FSM4JSMA	2
ESP32-S2-SOLO-U-N4R2		U1	XCVR_ESP32-S2-SOLO-U-N4R2	ESP32-S2-SOLO-U-N4R2	1
USB-TYPE-C-FEMAIL		U2	C5156605	USB-TYPE-C-FEMAIL	1
CH340G		U3	SOIC127P600X180-16N	CH340G	1
VMA107	NodeMCU V2 Lua Based ESP8266 Development Board	U4	MODULE_VMA107	VMA107	1
3.5 Inch TFT LCD Module With Touch	3.5 Inch TFT LCD Module With Touch	U6	PCBComponent_1	ILI9488	1
MIC5205-2.5YM5-TR	MIC5205 Series 3 V Fixed Output 150 mA SMT Low-Noise LDO Regulator - SOT-23-5	U8	SOT95P280X145-5N	MIC5205-2.5YM5-TR	1
NCP1117STAT3G	Linear Voltage Regulator IC 1 Output 1A SOT-223	VR1	VREG_NCP1117STAT3G	NCP1117STAT3G	1
12MHZ		Y1	XTAL_ECS-51-S-1	ECS-51-S-1	1