

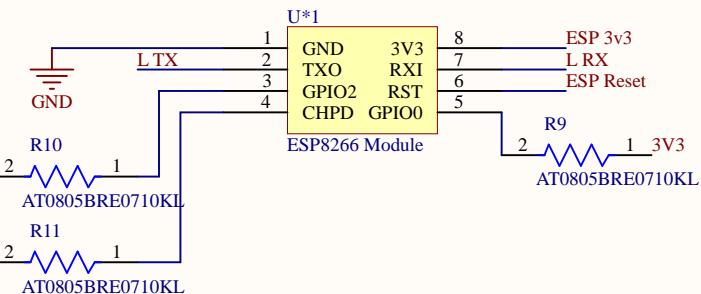
1

2

3

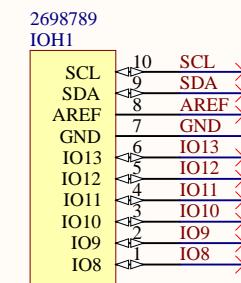
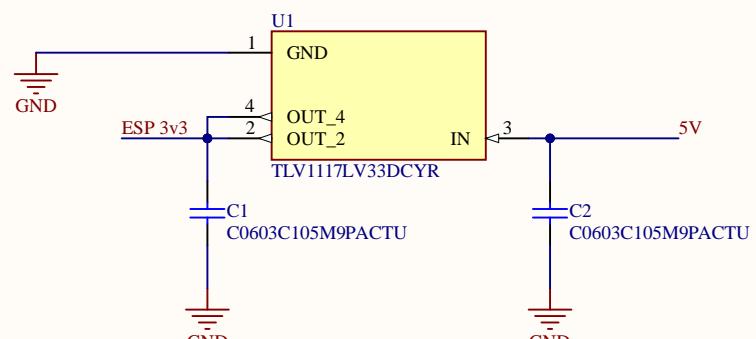
4

A

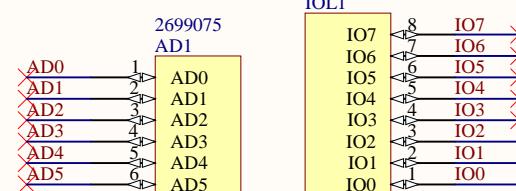
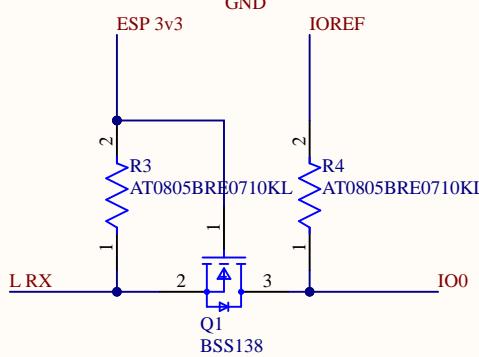


L Reset R1 1 2 3 4 5 6 7 8
CRCW08050000Z0ECC 1 2 3 4 5 6 7 8
ESP Reset

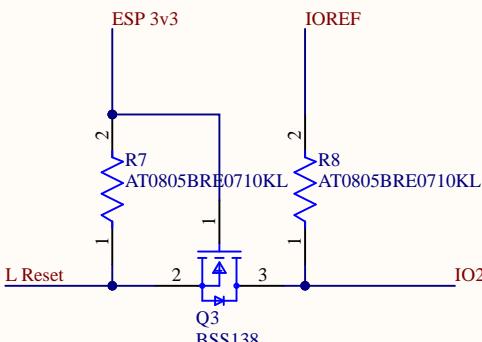
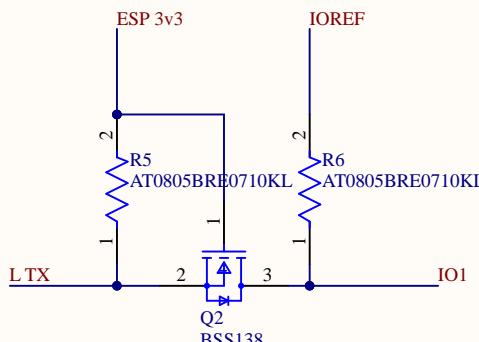
B



C



D



Title

Size Number

A

Revision

Date: 2/03/2026

Sheet of

File: C:\Users\...\esp8266_shield.SchDoc

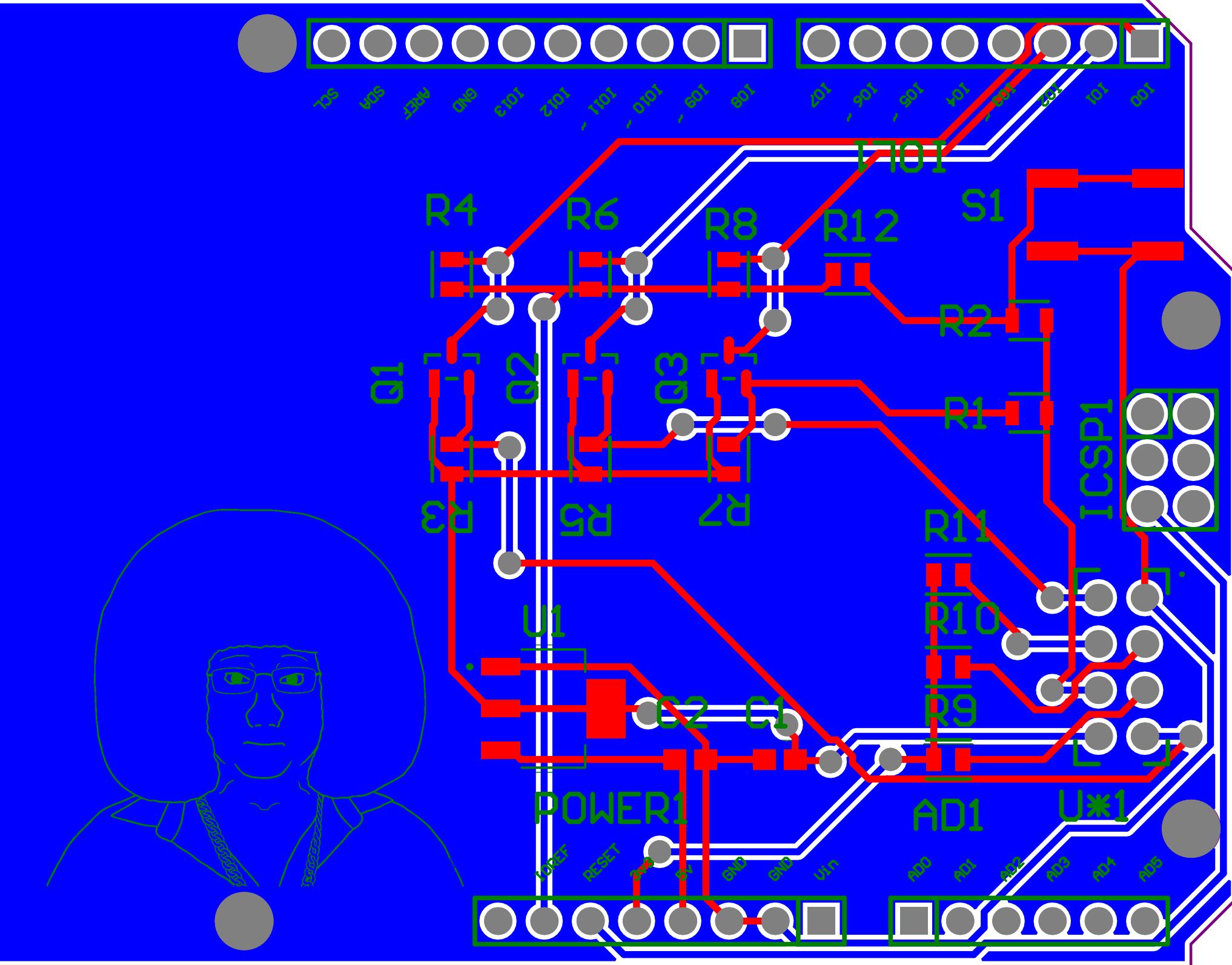
Drawn By:

1

2

3

4



Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	AD		AD1		Not managed		1	Samtec	SSQ-106-03-G-S	Volume Production	DigiKey	SAM1198-06-ND	1.62	1.62
	C0603C105M9PACTU		C1, C2	CMP-1035-02731-2	Released	Up to date	2	KEMET	C0603C105M9PACTU	Volume Production	Arrow Electronics	C0603C105M9PACTU	0.0322	0.0644
	ICSP		ICSP1		Not managed		1	Samtec	SSQ-106-02-G-D	Volume Production	DigiKey	SAM1198-06-ND	2.37	2.37
	IOH		IOH1		Not managed		1	Samtec	SSQ-110-03-G-S	Volume Production	DigiKey	SAM1198-10-ND	2.45	2.45
	IOL		IOL1		Not managed		1	Samtec	SSQ-108-03-G-S	Volume Production	DigiKey	SAM1198-08-ND	2.04	2.04
	POWER_UNO		POWER1		Not managed		1	Samtec	SSQ-108-03-G-S	Volume Production	DigiKey	SAM1198-08-ND	2.04	2.04
	TLV1117LV33DCYR	1-A, low-dropout voltage regulator	U1	CMP-550-000000-1	Draft	Up to date	1							
	CROW08050000ZDEOC	CROW08050000ZDEOC CROW/Thick Film Commodity Chip Resistor Jumper 0805 Size 0 Ohm 0.125W 2-Pin SMD Paper T/R	R1, R2	CMP-00030-87884303-1	New From Design	Up to date	2	Vishay	CROW08050000ZDEOC	Volume Production	Farnell	4177705	0.01971	0.19708
	ESP8266 Module	ESP8266 2x4 Module	U1	CMP-006-0011-1	Draft	Up to date	1							
	BSS138	MOSFET N-CH 50V 220mA SOT-23	Q1, Q2, Q3	CMP-07173-000101-1	New From Design	Up to date	3	onsemi	BSS138	Volume Production	Newark	BSS138	0.049	0.147
	KSC221J	SMT TO TACT SILVER J LEAD	S1	CMP-339-000013-1	Draft	Up to date	1	O&K Components	KSC221J	Obsolete	Quest	KSC221J	0.36	0.36
	AT0805BRE0710KL	Thin Film Chip Resistors Automotive Grade 10kΩ 0.1% 50ppm/C0806	R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	CMP-03412-048709-1	New From Design	Up to date	10	Yageo Group	AT0805BRE0710KL	Volume Production	Newark	AT0805BRE0710KL	0.228	2.28