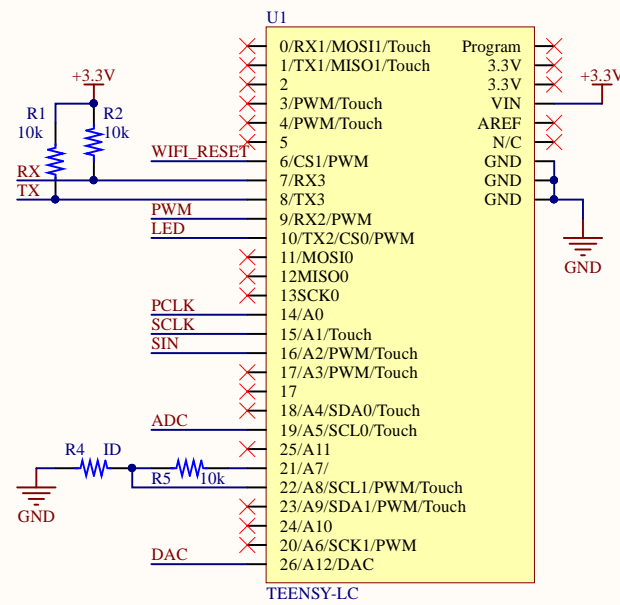
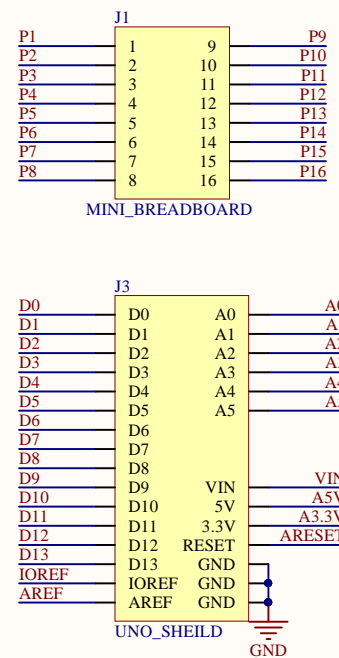


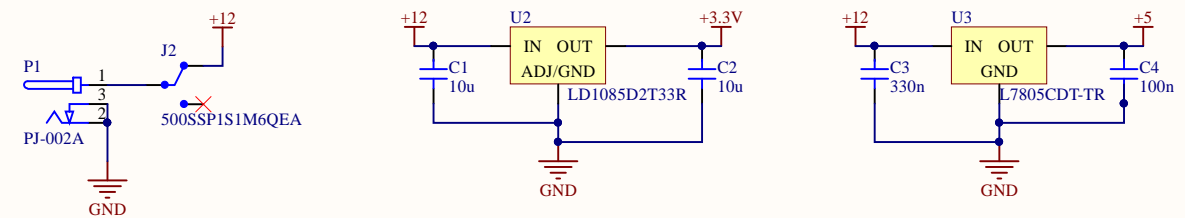
MCU



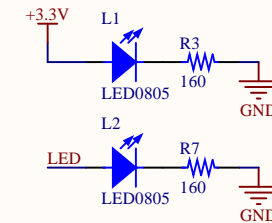
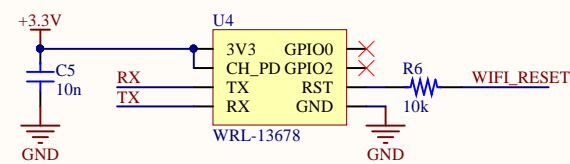
Breadboard



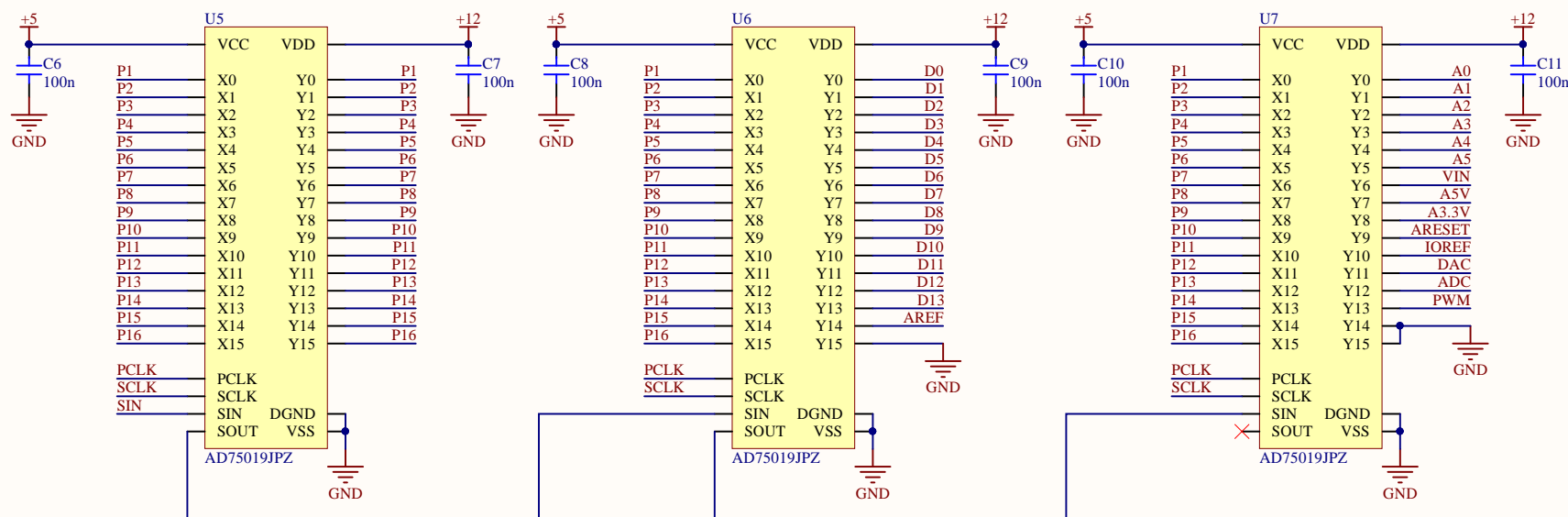
Power



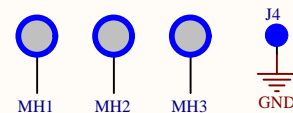
WiFi and Indicators



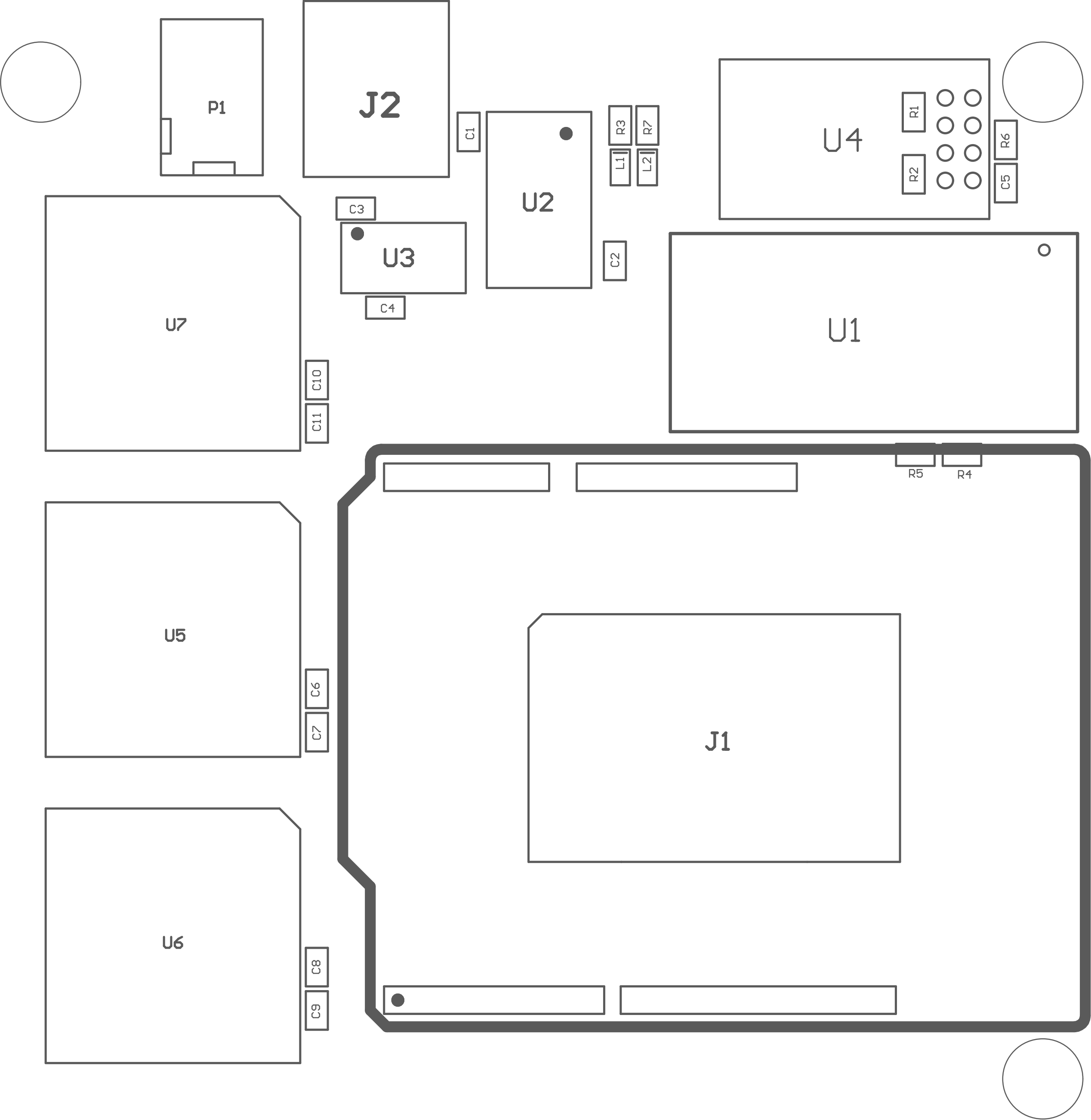
Breadboard routing

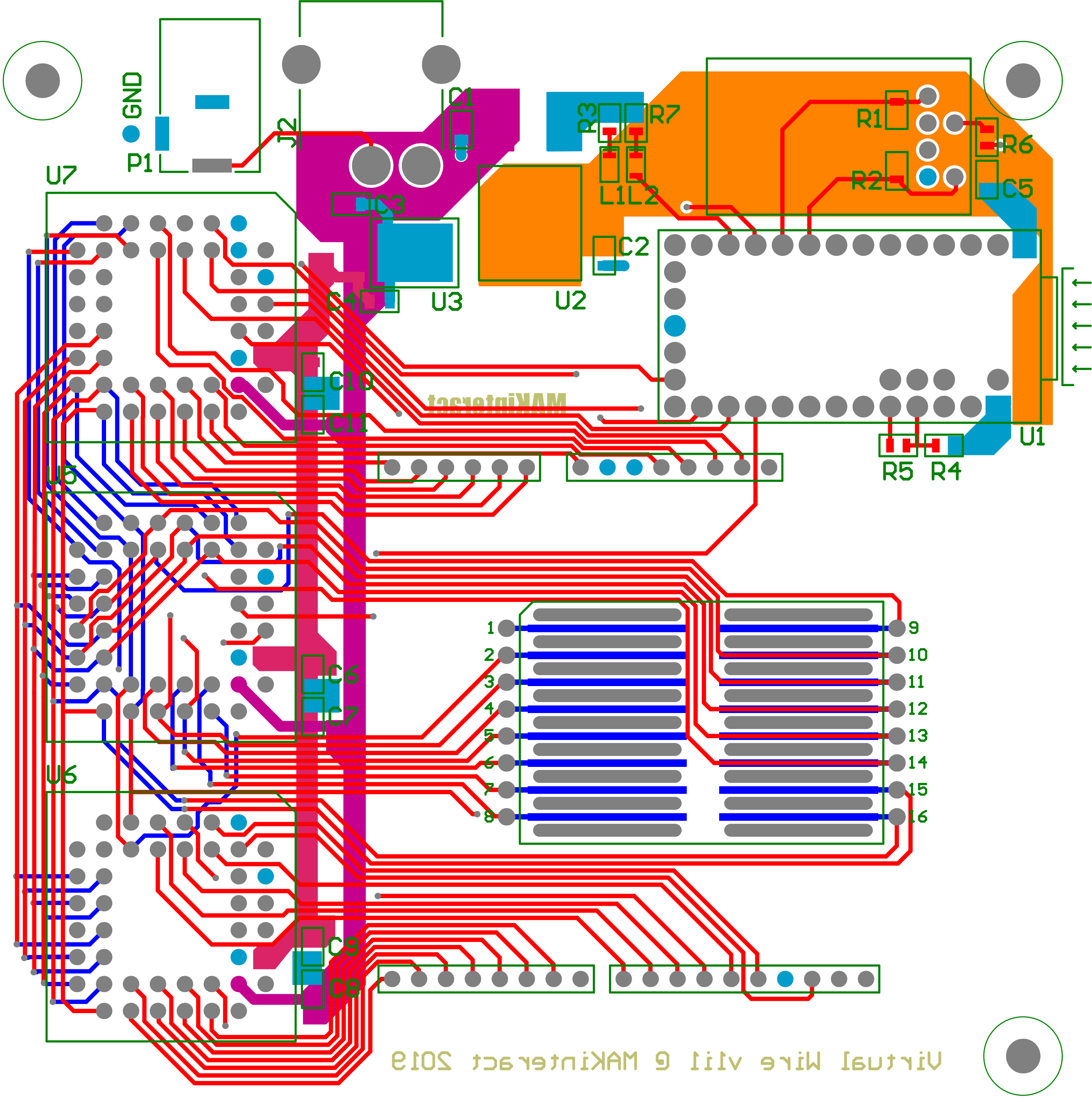


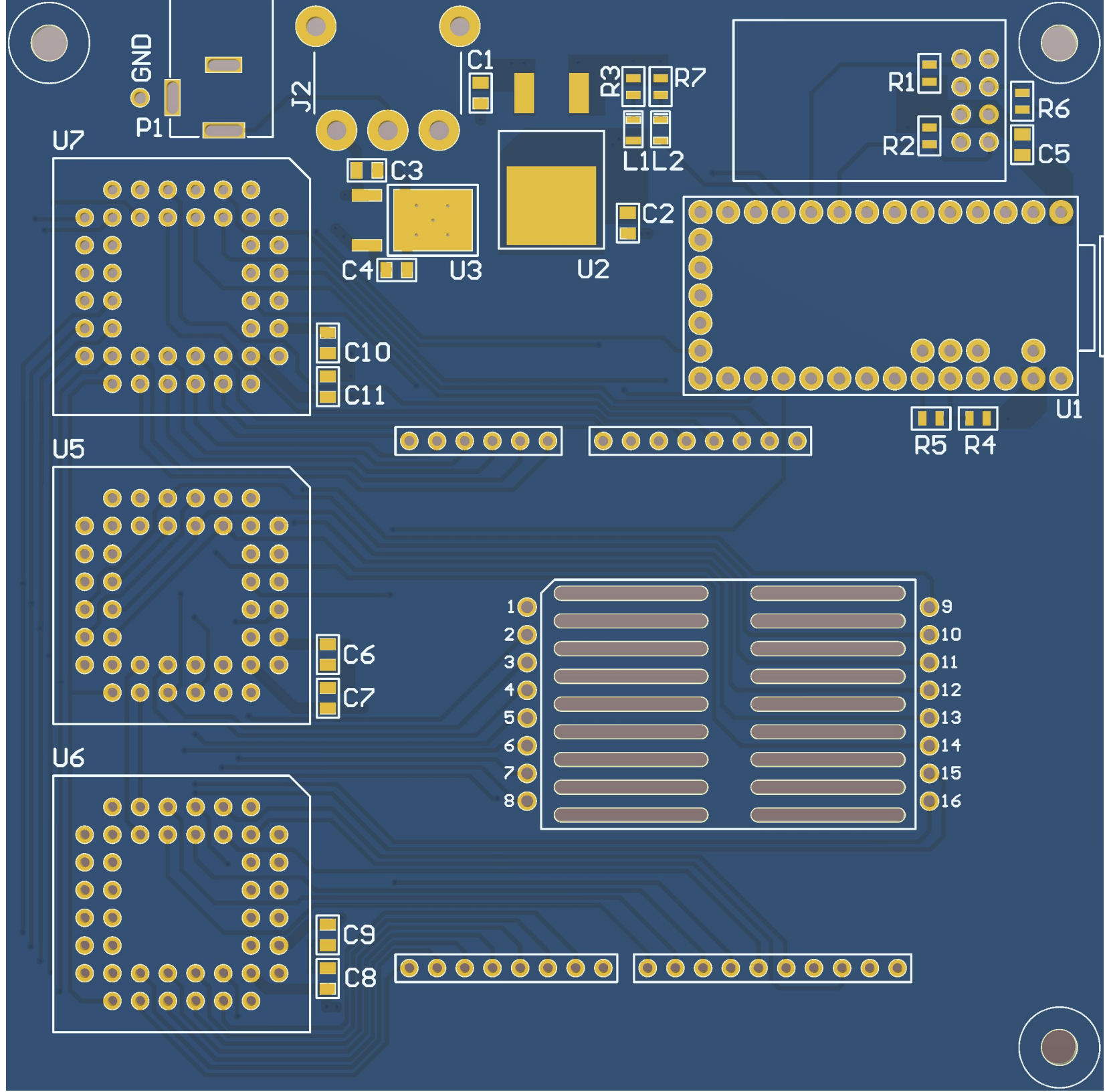
Mechanical



Title			VirtualWire		
Size	Number			Revision	
A3	1			1	
Date:	3/4/2019			Sheet	of
File:	C:\Users\...\VirtualWire.SchDoc			Drawn By:	Andrea Bianchi







Comment	Description	Designator	LibRef	Manufacturer 1	Manufacturer 1	Manufacturer 1	Packaging	Quantity	Supplier 1	Supplier Current	Supplier Order C	Supplier Part Nu	Supplier Stock 1	Supplier Subtot	Supplier Unit Price 1
10u	10uF	C1	C805_10u					1							
10u	10uF	C2	C805_10u					1							
330n	330nF	C3	C805_330n					1							
100n	100nF	C4	C805_100n					1							
10n	10nF	C5	C805_10n					1							
100n	100nF	C6	C805_100n					1							
100n	100nF	C7	C805_100n					1							
100n	100nF	C8	C805_100n					1							
100n	100nF	C9	C805_100n					1							
100n	100nF	C10	C805_100n					1							
100n	100nF	C11	C805_100n					1							
MINI_BREADBOARD	Mini Breadboard 16x2	J1	MINI_BREADBOARD					1							
500SSP1S1M6QEA	SWITCH SLIDE SPDT 5A 120V	J2	SLIDE SPDT	E-Switch	Not Recommended	500SSP1S1M6Q	Bulk	1	Digi-Key	KRW		1 EG2478-ND	3535	3190.65	3190.65
UNO_SHIELD		J3	ARDUINO_UNO_SHIELD					1							
EPAD	Exposed PAD	J4	EPAD					1							
PJ-002A	PJ-002 Series 2 x 6.5 mm 16	P1	PJ-002A	CUI	Volume Product	PJ-002A	Bulk	1	Digi-Key	KRW		1 CP-002A-ND	163489	653.38	653.38
10k	10k	R1	R0805_10k					1							
10k	10k	R2	R0805_10k					1							
160	160 Ohm	R3	R0805_160					1							
ID	ID	R4	R0805_10k					1							
10k	10k	R5	R0805_10k					1							
10k	10k	R6	R0805_10k					1							
160	160 Ohm	R7	R0805_160					1							
TEENSY-LC	DEV TEENSY LC 13305	U1	TEENSY-LC	SparkFun	Unknown	DEV-13305		1	Digi-Key	KRW		1 1568-1233-ND	744	15659.25	15659.25
LD1085D2T33R	Fixed LDO Voltage Regulator	U2	LD1085D2T33R	STMicroelectron	Volume Product	LD1085D2T33R	Tape and Reel	1	Digi-Key	KRW		1 497-1222-6-ND	16248	1459.21	1459.21
L7805CDT-TR	IC REG LDO 5V 1.5A DPAK	U3	L7805CDT-TR	STMicroelectron	Volume Product	L7805CDT-TR	Tape and Reel	1	Digi-Key	USD		497-7255-2-ND	60000		
WRL-13678	WIFI ESP8266 MOD WIFI TR	U4	ESP8266	SparkFun	Unknown	WRL-13678		1	Digi-Key	KRW		1 1568-1235-ND	869	7568.28	7568.28
AD75019JPZ	SWITCH CROSSPOINT 16X16	U5	AD75019JPZ	Analog Devices	Volume Product	AD75019JPZ	Each	1	Digi-Key	KRW		1 AD75019JPZ-ND	166	35979.25	35979.25
AD75019JPZ	SWITCH CROSSPOINT 16X16	U6	AD75019JPZ	Analog Devices	Volume Product	AD75019JPZ	Each	1	Digi-Key	KRW		1 AD75019JPZ-ND	166	35979.25	35979.25
AD75019JPZ	SWITCH CROSSPOINT 16X16	U7	AD75019JPZ	Analog Devices	Volume Product	AD75019JPZ	Each	1	Digi-Key	KRW		1 AD75019JPZ-ND	166	35979.25	35979.25