

1

2

3

4

A

B

C

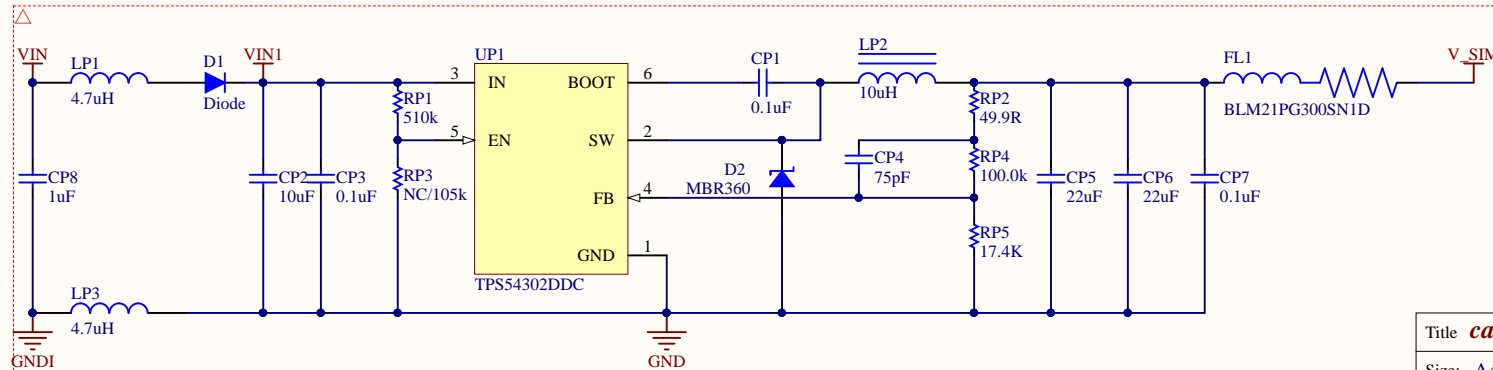
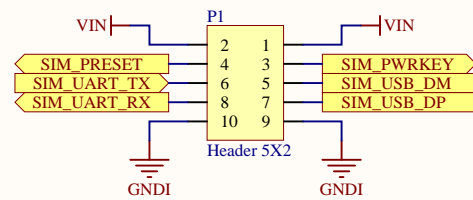
D

A

B

C

D

Title *car_logger_fona_reg*

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Number:3

Revision:

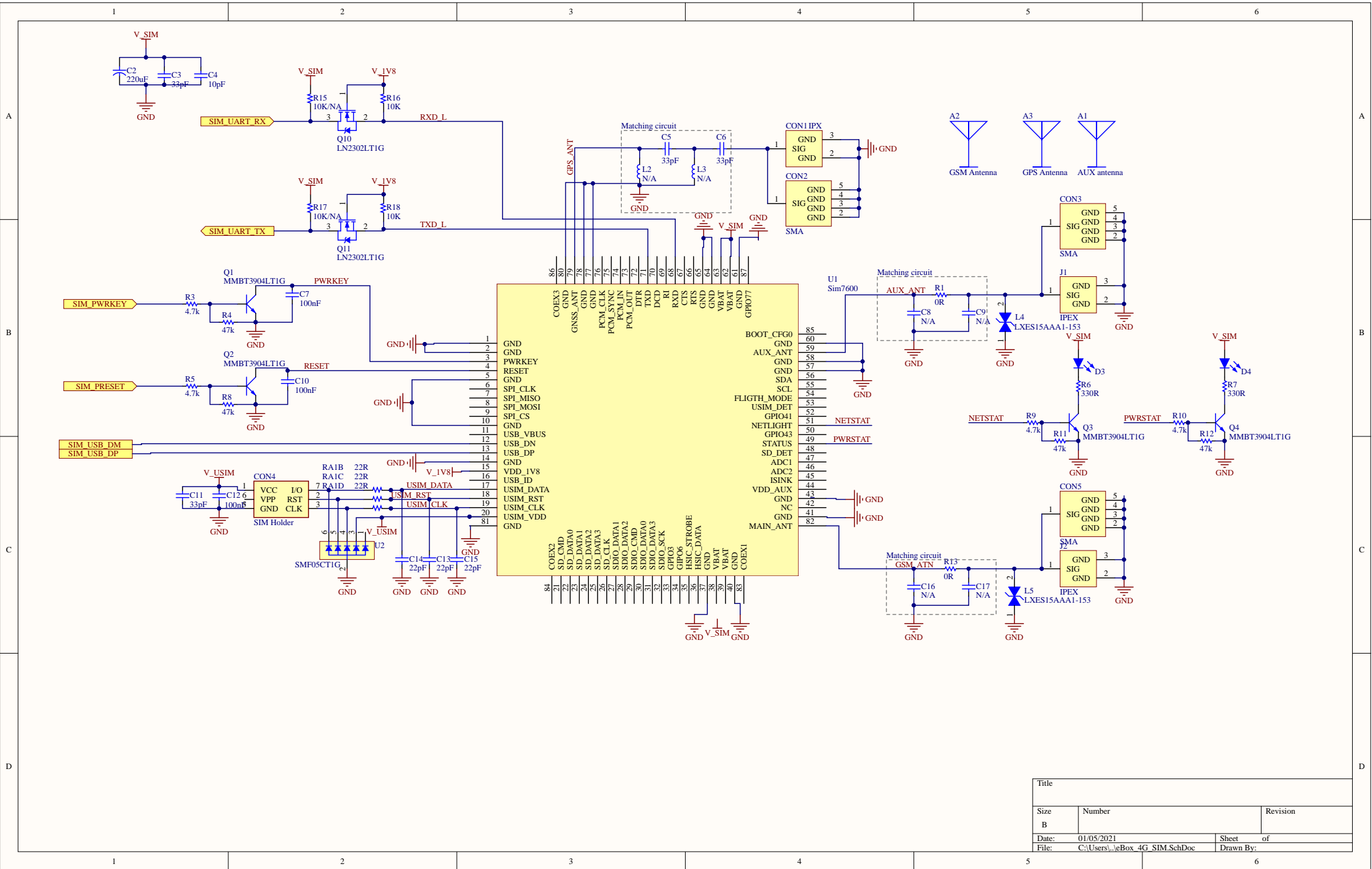
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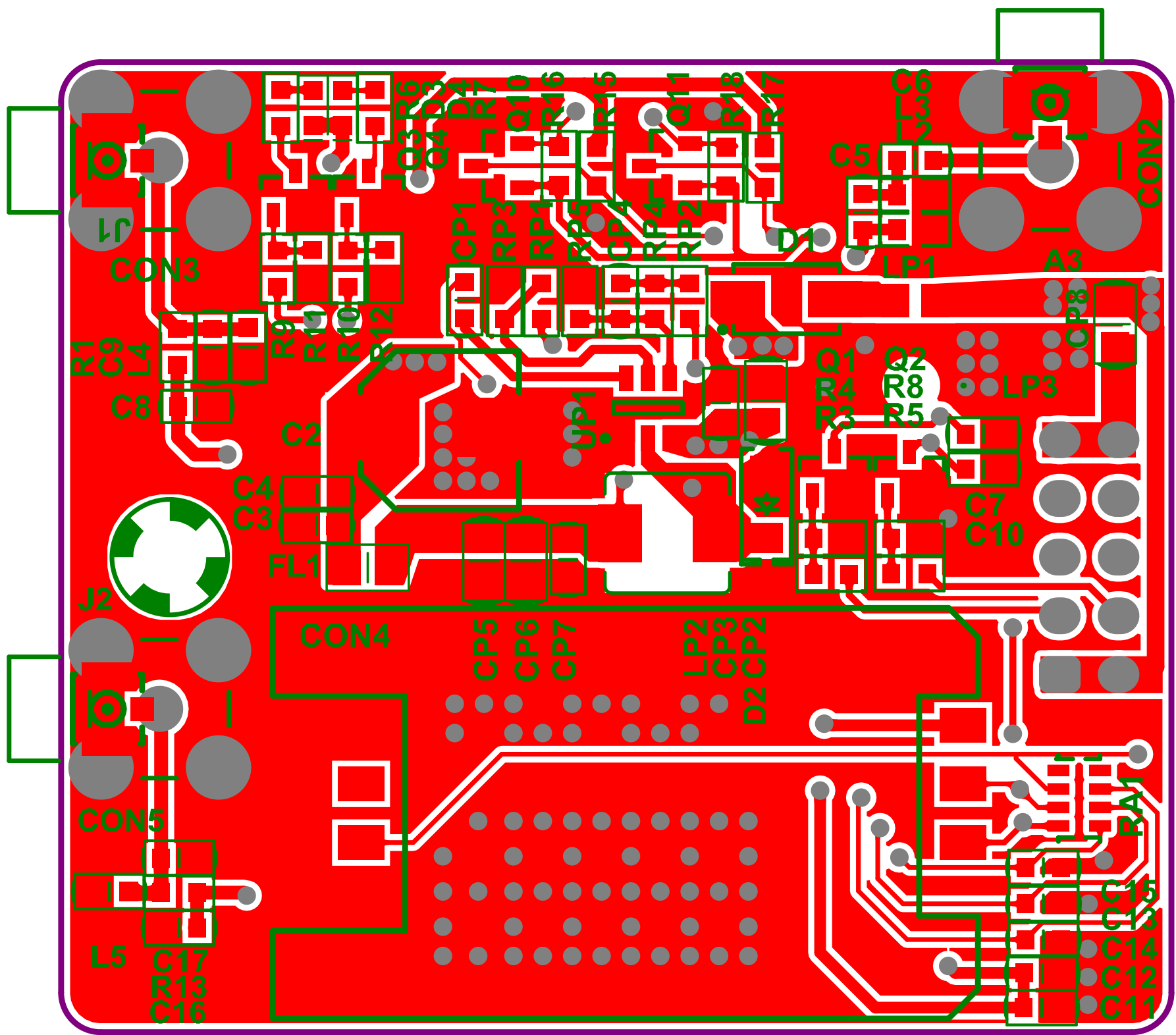
Sheet 3 of 3

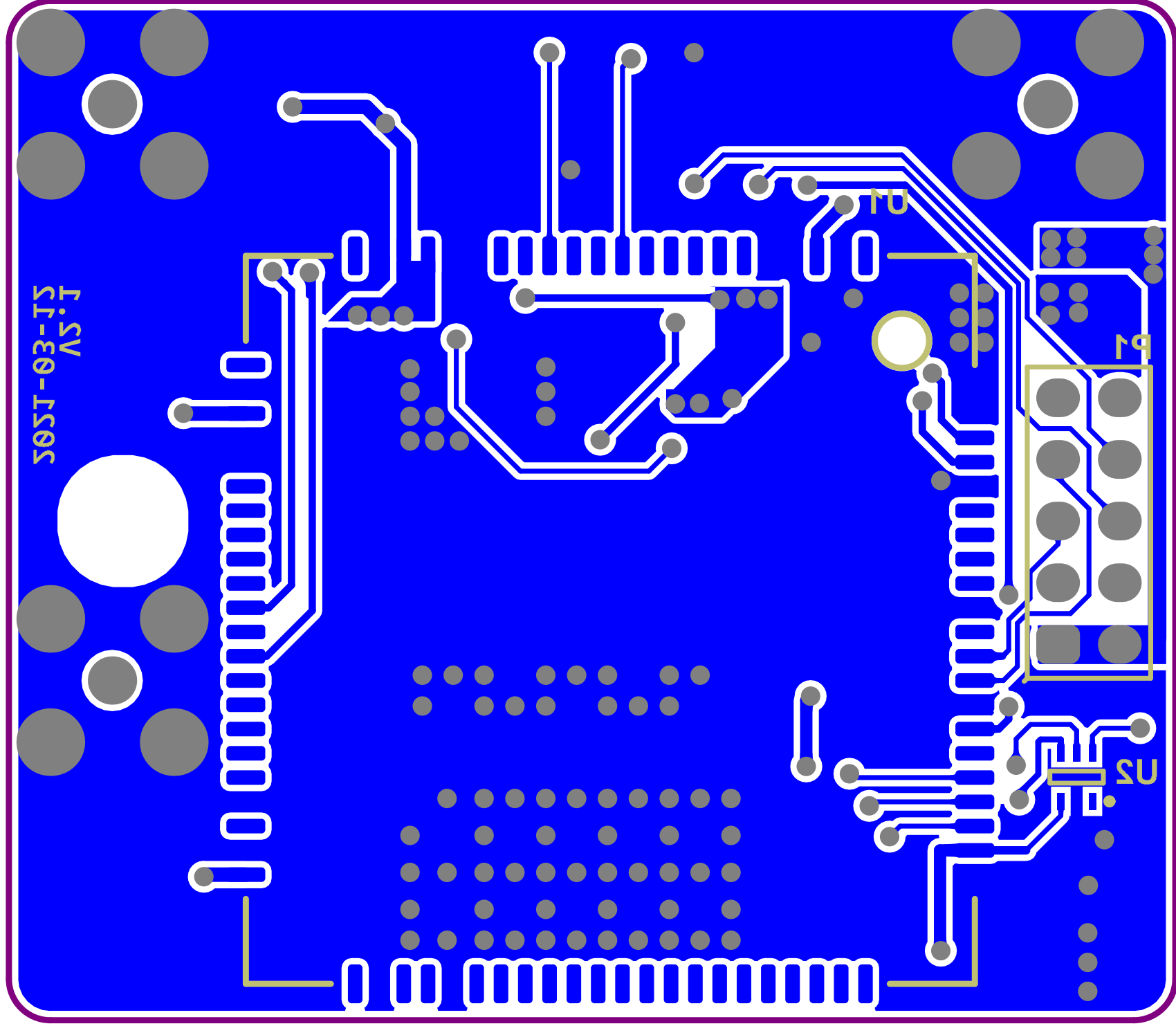
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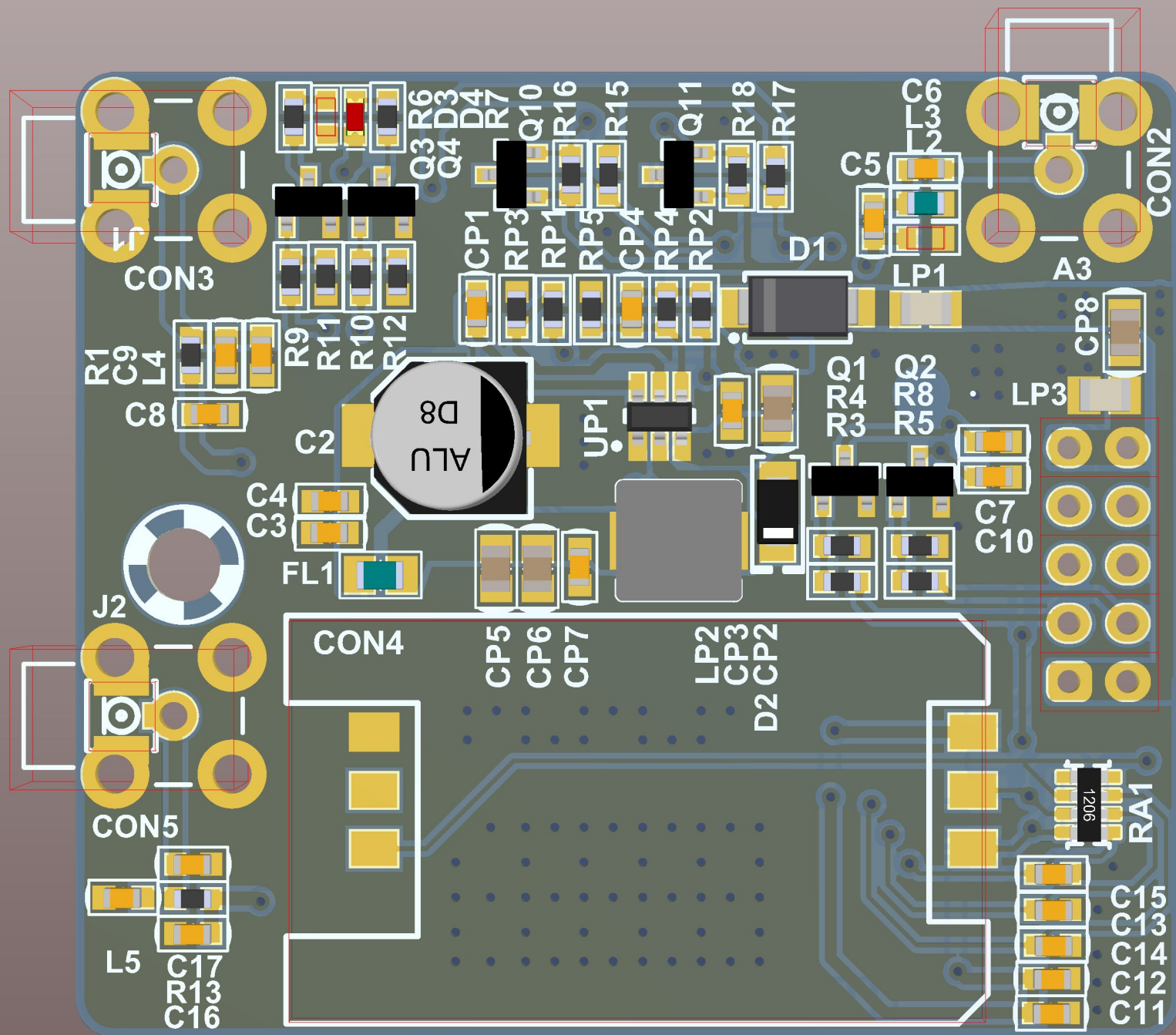


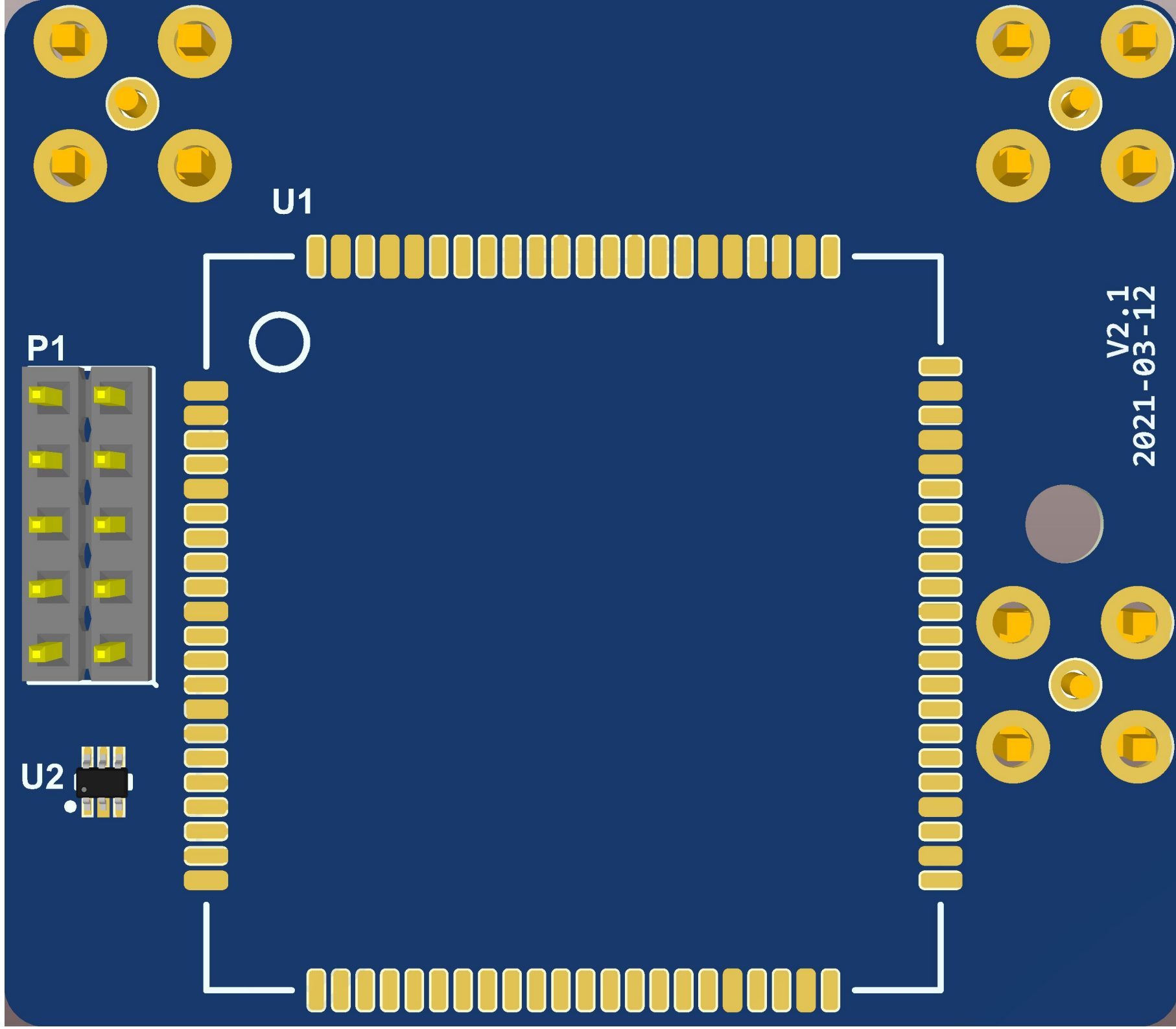
NPN Lab

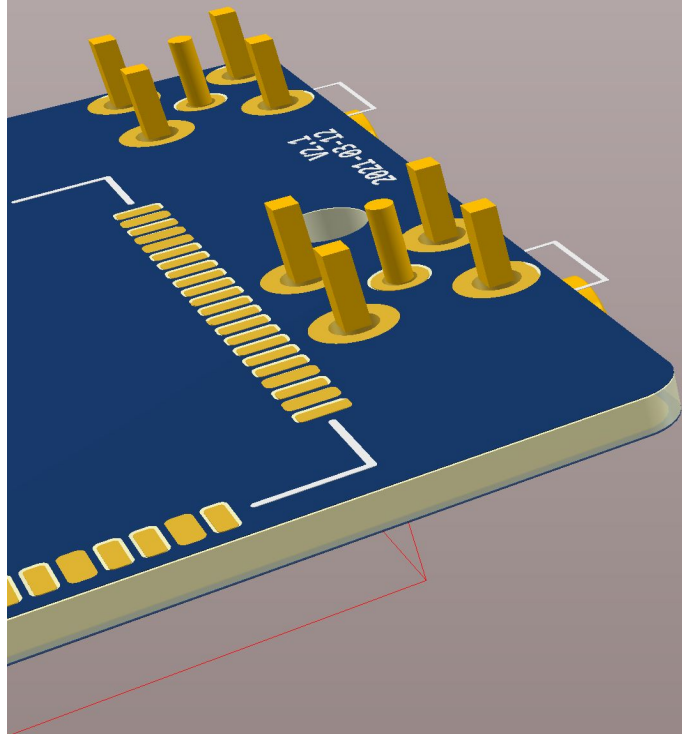


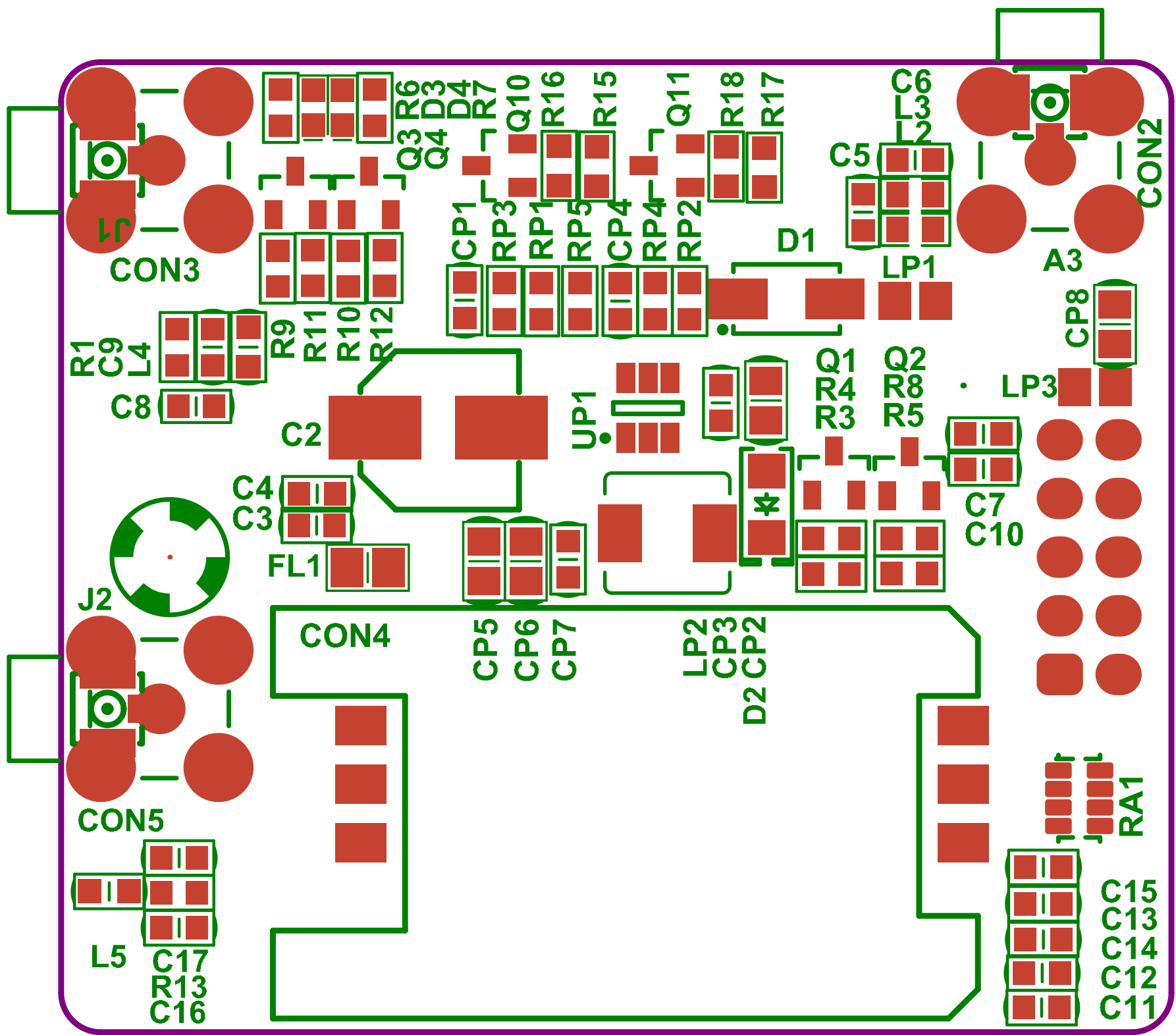


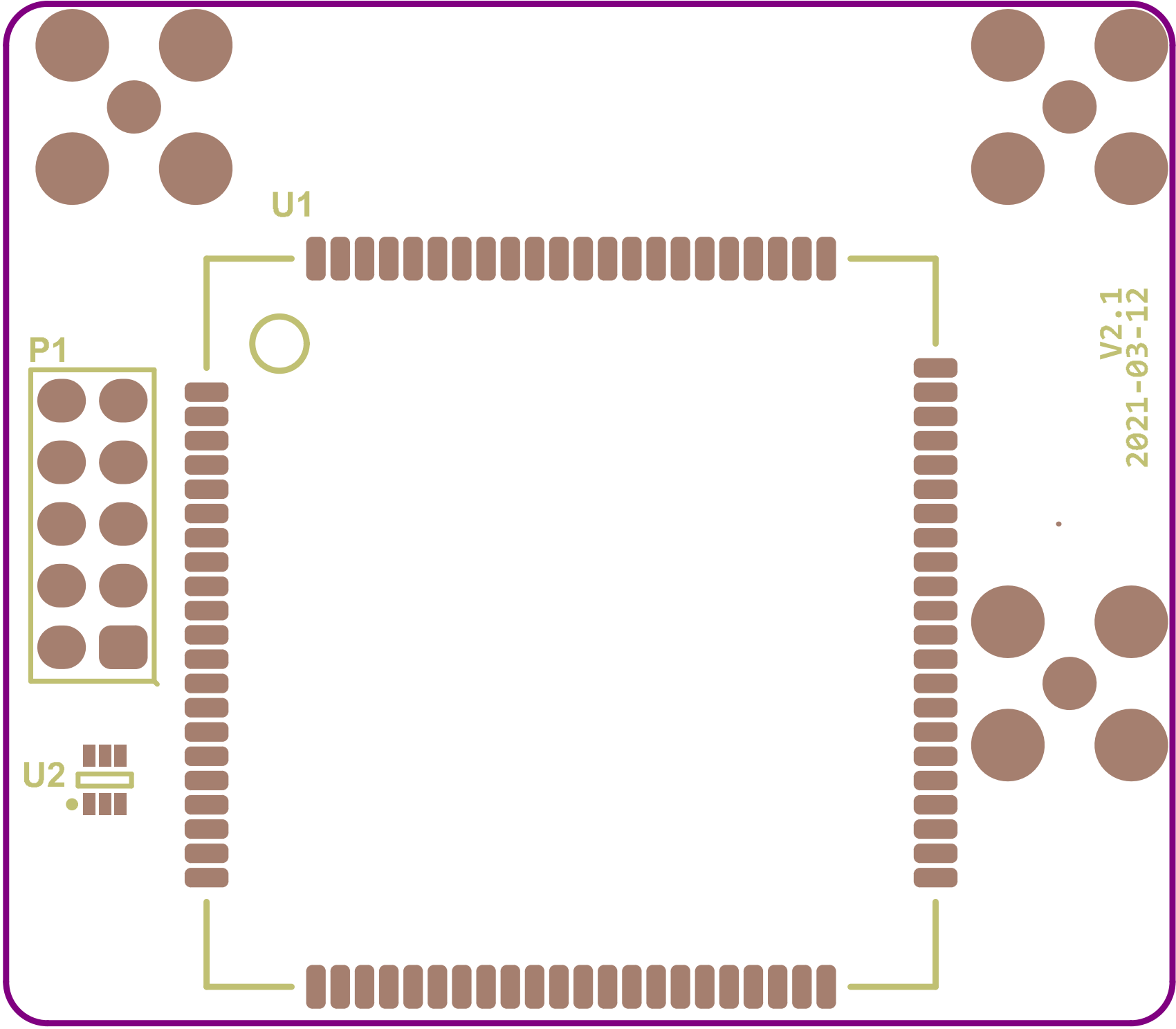












Designator	Comment	Description	Quantity	PART NO	BRAND	Package	SUPPLIER	STOCK CODE	TYPE
A1	AUX antenna	Antenna	1						
A2	GSM Antenna	Antenna	1						
A3	GPS Antenna	Antenna	1						
C2	220uF	CAP TANT POLY 100UF 6.3V 1210	1			1210 (3528 Metric)			
C3, C5, C6, C11	33pF	CAP CER 33PF 100V COG/NP0 0603	4			0603 (1608 Metric)			
C4	10pF	CAP CER 10PF 100V COG/NP0 0603	1			0603 (1608 Metric)			
C7, C10, C12	100nF	CAP CER 0.1UF 16V X7R 0603	3			0603 (1608 Metric)			
C8, C9, C16, C17, L2, L3	N/A	CAP N/A, IND N/A	6			0603 (1608 Metric)			
C13, C14, C15	22pF	CAP CER 33PF 100V COG/NP0 0603	3			0603 (1608 Metric)			
CON1	IPX		1						
CON2, CON3, CON5	SMA	SMA connectors	3						
CON4	SIM Holder	SIM Card holder, 6 pins	1						
CP1, CP3, CP7	0.1uF	CAP CER 0.1UF 16V X7R 0603	3			0603 (1608 Metric)			
CP2	10uF	CAP CER 10UF 25V X5R 0805	1			0805 (2012 Metric)			
CP4	75pF	CAP CER 75PF 50V COG/NP0 0603	1			0603 (1608 Metric)			
CP5, CP6	22uF	CAP CER 22UF 25V X5R 0805	2			0805 (2012 Metric)			
CP8	1uF	CAP CER 10UF 25V X5R 0805	1			0805 (2012 Metric)			
D1	Diode	Default Diode	1						
D2	MBR360	TVS DIODE 57.6V 98V DO219AB	1						DO-219AB
D3	LED GREEN	LED GREEN DIFFUSED 0603 SMD	1			0603 (1608 Metric)			
D4	LED RED	LED RED DIFFUSED 0603 SMD	1			0603 (1608 Metric)			
FL1	BLM21PG3005N1D	30 Ohms @ 100MHz 1 Power Line Ferrite Bead 0805_2012 Metric, 4A 14mOhm	1			2012 Murata			
J1, J2	IPEX	CONN UMIC RCP1 STR 50 OHM SMD	2						
L4, L5	LXES15AAA1-153	Clamp 1pp Tvs Diode Surface Mount 1005	2			0402 Murata			
LP1, LP3	4.7uH		2						
LP2	10uH	Fixed Inductors 10uH 20% Low Profile	1			5254			
P1	Header 5X2	Header, 5-Pin, Dual row	1						
Q1, Q2, Q3, Q4	MMBT3904LT1G	TRANS NPN 40V 0.2A SOT23	4			SOT-23-3 (TO-236)			
Q10, Q11	LN2302LT1G	Mosfet N	2						
R1, R13	0R	RES SMD 0 OHM JUMPER 1/10W 0603	2			0603 (1608 Metric)			
R3, R5, R9, R10	4.7k	RES SMD 4.7K OHM 1% 1/10W 0603	4			0603 (1608 Metric)			
R4, R8, R11, R12	47k	RES SMD 47K OHM 5% 1/10W 0603	4			0603 (1608 Metric)			
R6, R7	330R	RES SMD 330 OHM 5% 1/10W 0603	2			0603 (1608 Metric)			
R15, R17	10K/NA	Resistor	2						
R16, R18	10K	Resistor	2						
RA1	22R		1						
RP1	510k	RES SMD 510K OHM 1% 1/10W 0603	1			0603 (1608 Metric)			
RP2	49.9R	RES SMD 49.9 OHM 1% 1/10W 0603	1			0603 (1608 Metric)			
RP3	NC/105k	RES SMD 105K OHM 1% 1/10W 0603	1			0603 (1608 Metric)			
RP4	100.0k	RES SMD 100K OHM 1% 1/10W 0603	1			0603 (1608 Metric)			
RP5	17.4K	RES SMD 17.4K OHM 1% 1/10W 0603	1			0603 (1608 Metric)			
U1	Sim7600		1						
U2	SMF05CT1G	TVS DIODE 5V 12.5V SC88	1			6-TSSOP, SC-88, SOT-363			
UP1	TPS54302DDC	IC REG BUCK ADJ 3A TSOT23-6	1			SOT-23-6			