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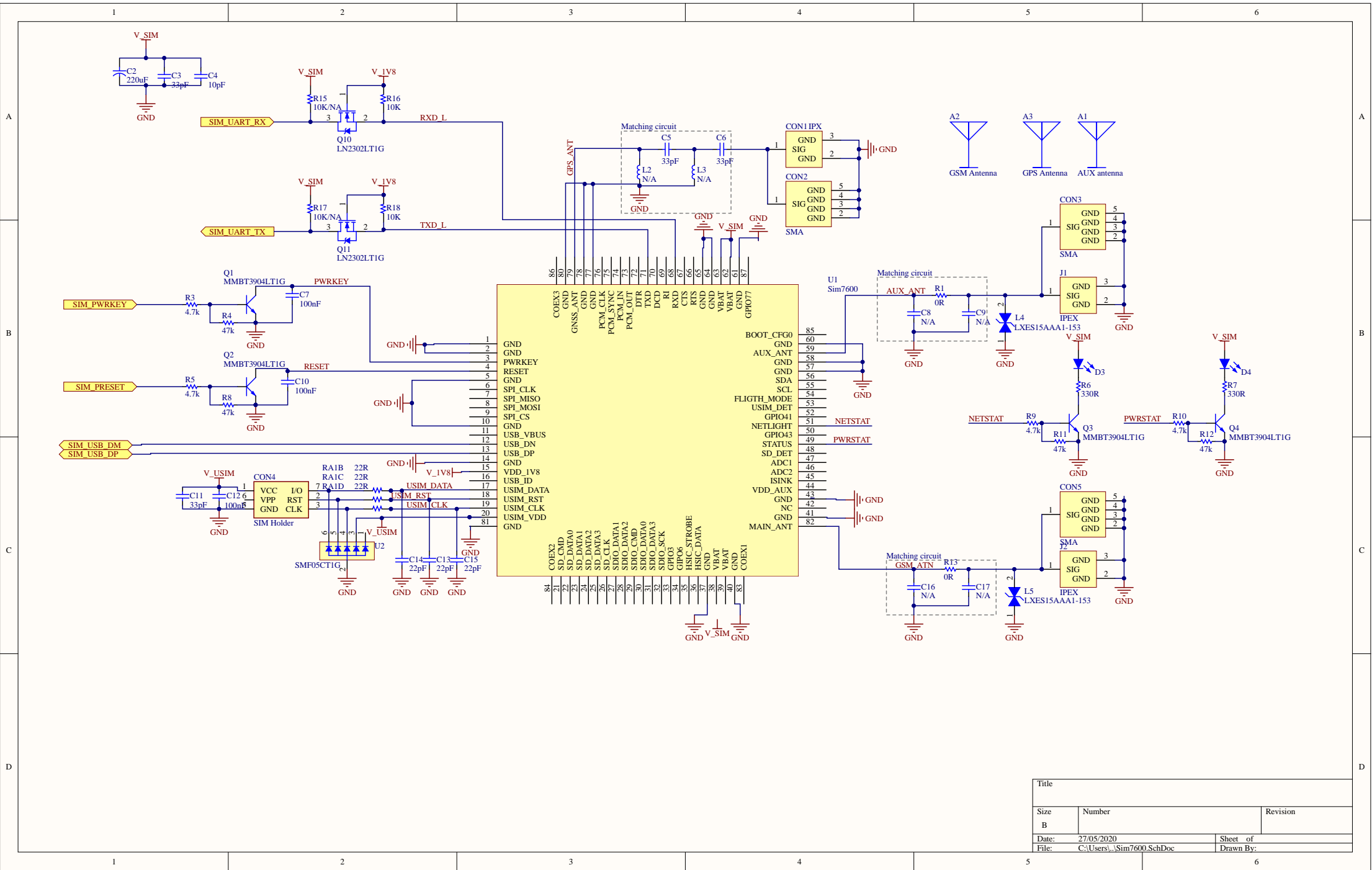
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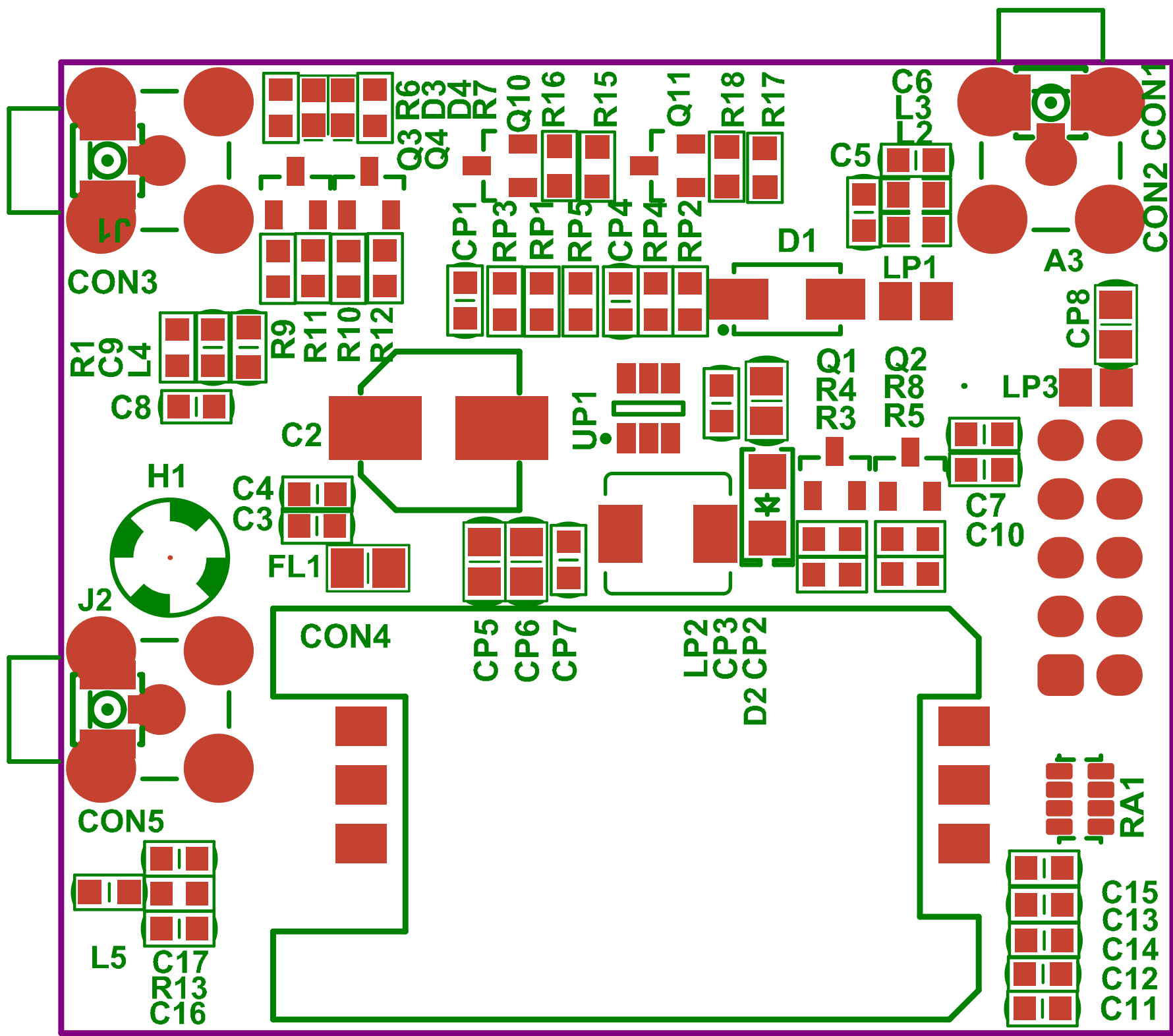
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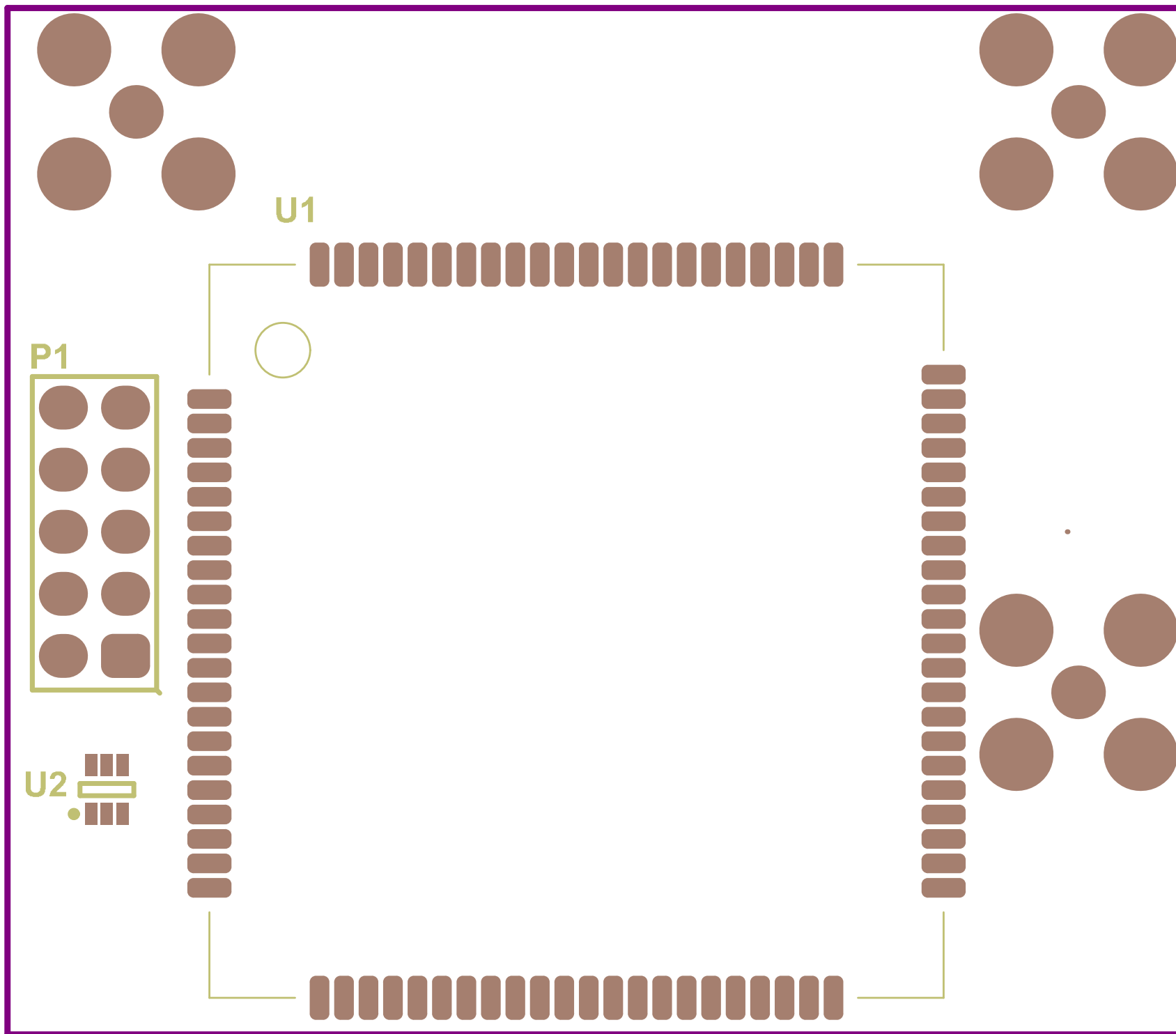
Sheet 3 of 3

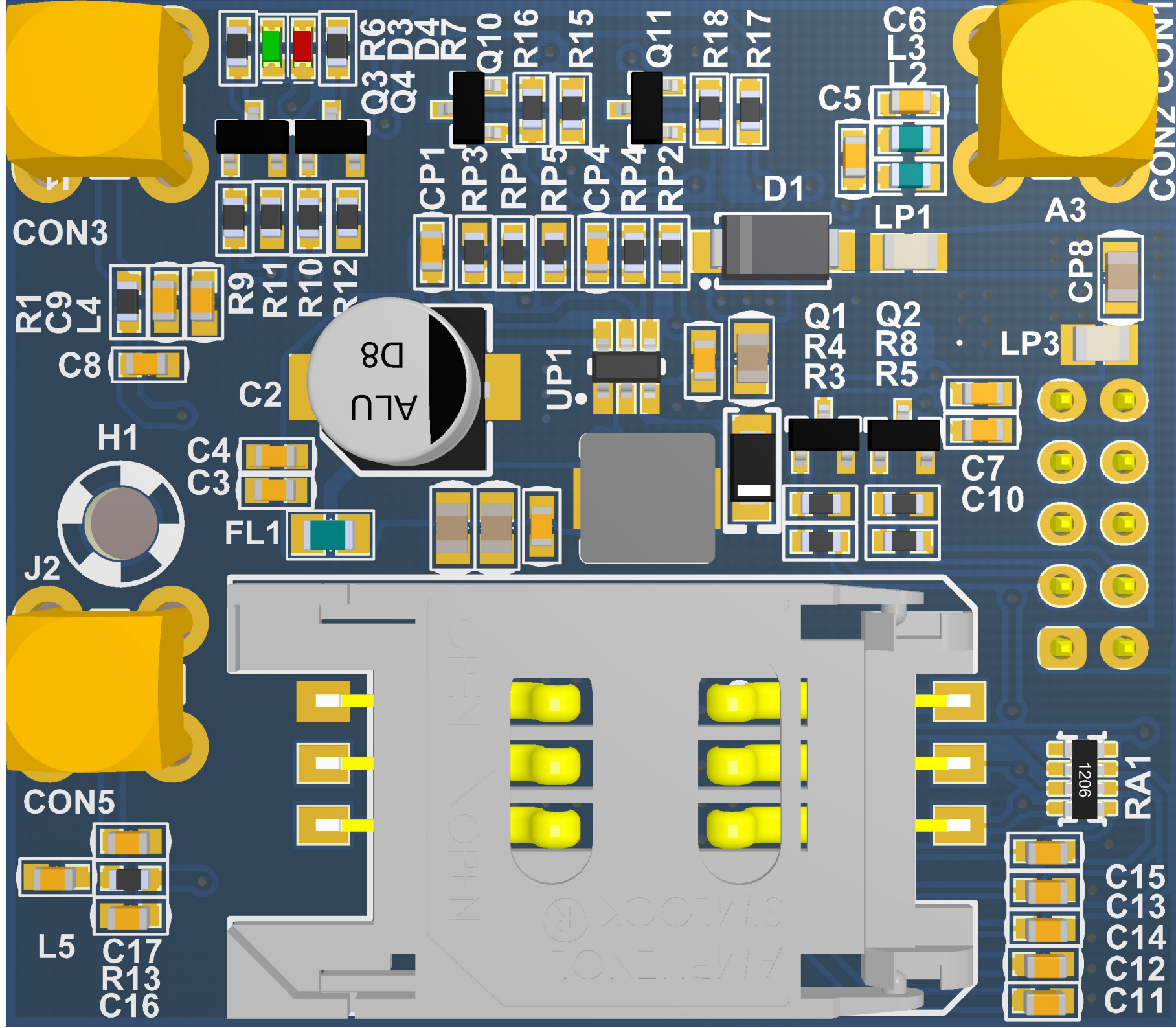
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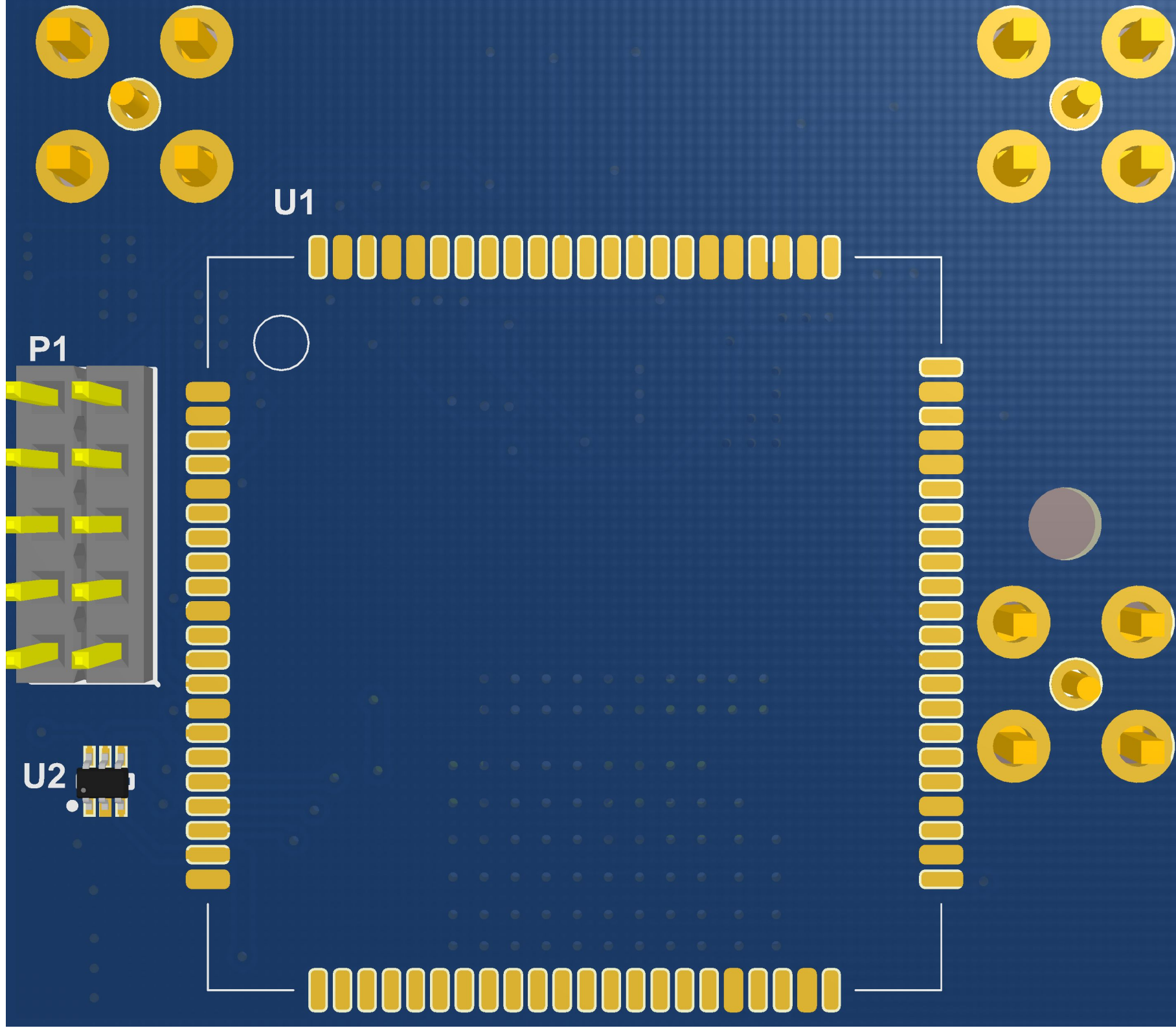
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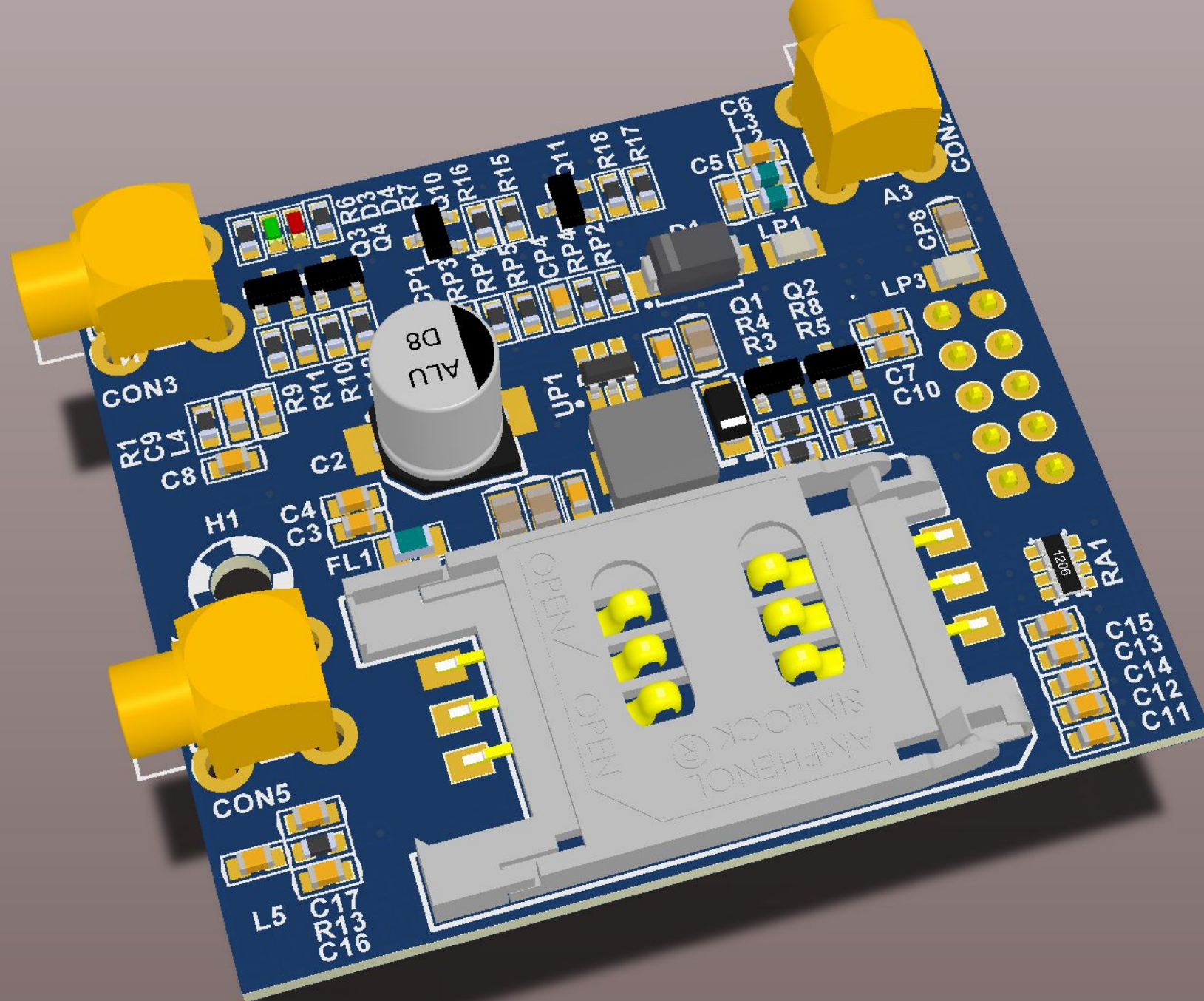












Designator	Comment	Description	Package	Quantity	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	Termination Style
A1	AUX antenna	Antenna		1					
A2	GSM Antenna	Antenna		1					
A3	GPS Antenna	Antenna		1					
C2	220uF	CAP TANT POLY 100UF 6.3V 1210	1210 (3528 Metric)	1	AVX Corporation	TCJB107M006R0055	Digi-Key	478-9410-2-ND	SMD/SMT
C3, C5, C6, C11	33pF	CAP CER 33PF 100V COG/NPO 0603	0603 (1608 Metric)	4	Murata Electronics	GCM1885C2A330JA16D	Digi-Key	490-4943-2-ND	SMD/SMT
C4	10pF	CAP CER 10PF 100V COG/NPO 0603	0603 (1608 Metric)	1	Murata Electronics	GCM1885C2A100JA16D	Digi-Key	490-4770-2-ND	SMD/SMT
C7, C10, C12	100nF	CAP CER 0.1UF 16V X7R 0603	0603 (1608 Metric)	3	Murata Electronics	G CJ188R71C104KA01D	Digi-Key	490-5796-2-ND	SMD/SMT
C8, C9, C16, C17, L2, L3	N/A	CAP N/A, CAP N/A, CAP N/A, CAP N/A, IND N/A, IND N/A	0603 (1608 Metric)	6			Digi-Key		SMD/SMT
C13, C14, C15	22pF	CAP CER 33PF 100V COG/NPO 0603	0603 (1608 Metric)	3	Murata Electronics	GCM1885C2A330JA16D	Digi-Key	490-4943-2-ND	SMD/SMT
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	0603 (1608 Metric)	3	Murata Electronics	G CJ188R71C104KA01D	Digi-Key	490-5796-2-ND	SMD/SMT
CP2	10uF	CAP CER 10UF 25V X5R 0805	0805 (2012 Metric)	1	Murata Electronics	GRM21BR61E106MA73L	Digi-Key	490-10748-2-ND	SMD/SMT
CP4	75pF	CAP CER 75PF 50V COG/NPO 0603	0603 (1608 Metric)	1	Murata Electronics	GRM1885C1H750JA01D	Digi-Key	490-1424-1-ND	SMD/SMT
CP5, CP6	22uF	CAP CER 22UF 25V X5R 0805	0805 (2012 Metric)	2	Murata Electronics	GRM21BR61E226ME44L	Digi-Key	490-10749-2-ND	SMD/SMT
CP8	1uF	CAP CER 10UF 25V X5R 0805	0805 (2012 Metric)	1	Murata Electronics	GRM21BR61E106MA73L	Digi-Key	490-10748-2-ND	SMD/SMT
D1	Diode	Default Diode		1					
D2	MBR360	TVS DIODE 57.6V 98V DO219AB		1	Vishay Semiconductor Diodes Division		DigiKey	112-VTVS58ASMF-HM3-08CT-ND	
D3	LED GREEN	LED GREEN DIFFUSED 0603 SMD	0603 (1608 Metric)	1	Rohm Semiconductor	SML-D12P8WT86	Digi-Key	511-1579-2-ND	SMD/SMT
D4	LED RED	LED RED DIFFUSED 0603 SMD	0603 (1608 Metric)	1	Rohm Semiconductor	SML-D12U8WT86	Digi-Key	511-1580-2-ND	SMD/SMT
FL1	BLM21PG300SN1D	30 Ohms @ 100MHz 1 Power Line Ferrite Bead 0805_2012 Metric_ 4A 14mOhm	2012 Murata	1					
J1, J2	IPEX	CONN UMC RCPT STR 50 OHM SMD		2	Taoglas Limited	RECE.20279.001E.01	Digi-Key	931-1107-1-ND	SMD/SMT
L4, L5	LXES15AAA1-153	Clamp Ipp Tvs Diode Surface Mount 1005	0402 Murata	2					
LP1, LP3	4.7uH			2					
LP2	10uH	Fixed Inductors 10uH 20% Low Profile	5254	1	Sunlord	MWSA0518-100MT			SMD/SMT
P1	Header SX2	Header, 5-Pin, Dual row		1					
Q1, Q2, Q3, Q4	MMBT3904LT1G	TRANS NPN 40V 0.2A SOT23	SOT-23-3 (TO-236)	4	ON Semiconductor	MMBT3904LT1G	Digi-Key	MMBT3904LT1GOSCT-ND	SMD/SMT
Q10, Q11	LN2302LT1G	Mosfet N		2					
R1, R13	0R	RES SMD 0 OHM JUMPER 1/10W 0603	0603 (1608 Metric)	2	Panasonic Industrial Devices	ERJ-3GEY0R00V	Digi-Key	P0.0GTR-ND	SMD/SMT
R3, R5, R9, R10	4.7k	RES SMD 4.7K OHM 1% 1/10W 0603	0603 (1608 Metric)	4	Panasonic Industrial Devices	ERJ-3EKF4701V	Digi-Key	P4.70KHTR-ND	SMD/SMT
R4, R8, R11, R12	47k	RES SMD 47K OHM 5% 1/10W 0603	0603 (1608 Metric)	4	Panasonic Industrial Devices	ERJ-3GEYJ473V	Digi-Key	P47KGTR-ND	SMD/SMT
R6, R7	330R	RES SMD 330 OHM 5% 1/10W 0603	0603 (1608 Metric)	2	Panasonic Industrial Devices	ERJ-3GEYJ331V	Digi-Key	P330GTR-ND	SMD/SMT
R15, R17	10K/NA	Resistor		2					
R16, R18	10K	Resistor		2					
RA1	22R			1					
RP1	510k	RES SMD 510K OHM 1% 1/10W 0603	0603 (1608 Metric)	1	Panasonic Industrial Devices	ERJ-3EKF5103V	Digi-Key	P510KHCT-ND	SMD/SMT
RP2	49.9R	RES SMD 49.9 OHM 1% 1/10W 0603	0603 (1608 Metric)	1	Panasonic Industrial Devices	ERJ-3EKF49R9V	Digi-Key	P49.9HTR-ND	SMD/SMT
RP3	NC/105k	RES SMD 105K OHM 1% 1/10W 0603	0603 (1608 Metric)	1	Panasonic Industrial Devices	ERJ-3EKF1053V	Digi-Key	P105KHCT-ND	SMD/SMT
RP4	100.0k	RES SMD 100K OHM 1% 1/10W 0603	0603 (1608 Metric)	1	Panasonic Industrial Devices	ERJ-3EKF1003V	Digi-Key	P100KHCT-ND	SMD/SMT
RP5	17.4K	RES SMD 17.4K OHM 1% 1/10W 0603	0603 (1608 Metric)	1	Panasonic Industrial Devices	ERJ-3EKF1742V	Digi-Key	P17.4KHTR-ND	SMD/SMT
U1	Sim7600			1					
U2	SMF05CT1G	TVS DIODE 5V 12.5V SC88	6-TSSOP, SC-88, SOT-363	1	ON Semiconductor	SMF05CT1G	Digi-Key	SMF05CT1GOSCT-ND	SMD/SMT
UP1	TPS54302DDC	IC REG BUCK ADJ 3A TSO	SOT-23-6	1	Texas Instruments	TPS54302DDCR	Digi-Key	296-46237-1-ND	SMD/SMT