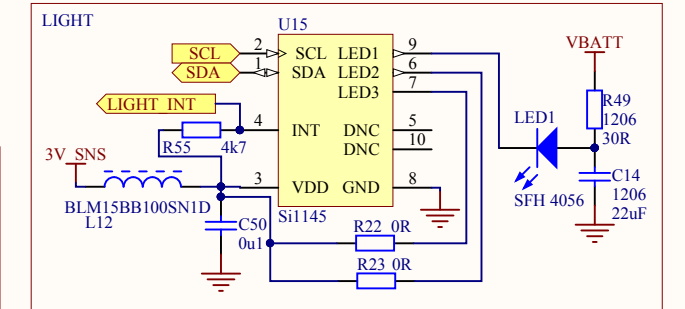
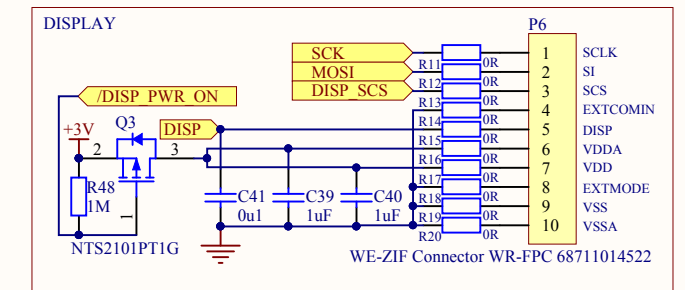
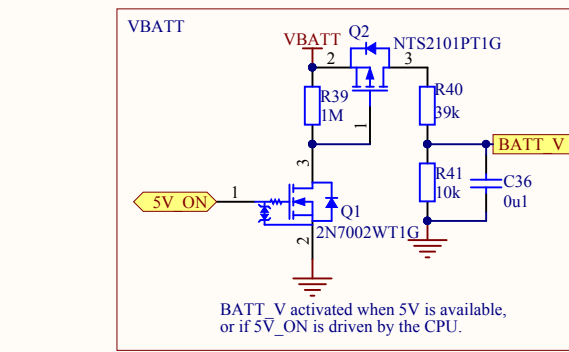
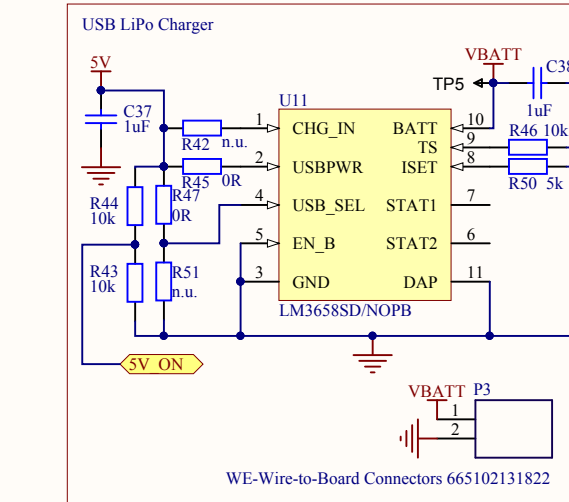
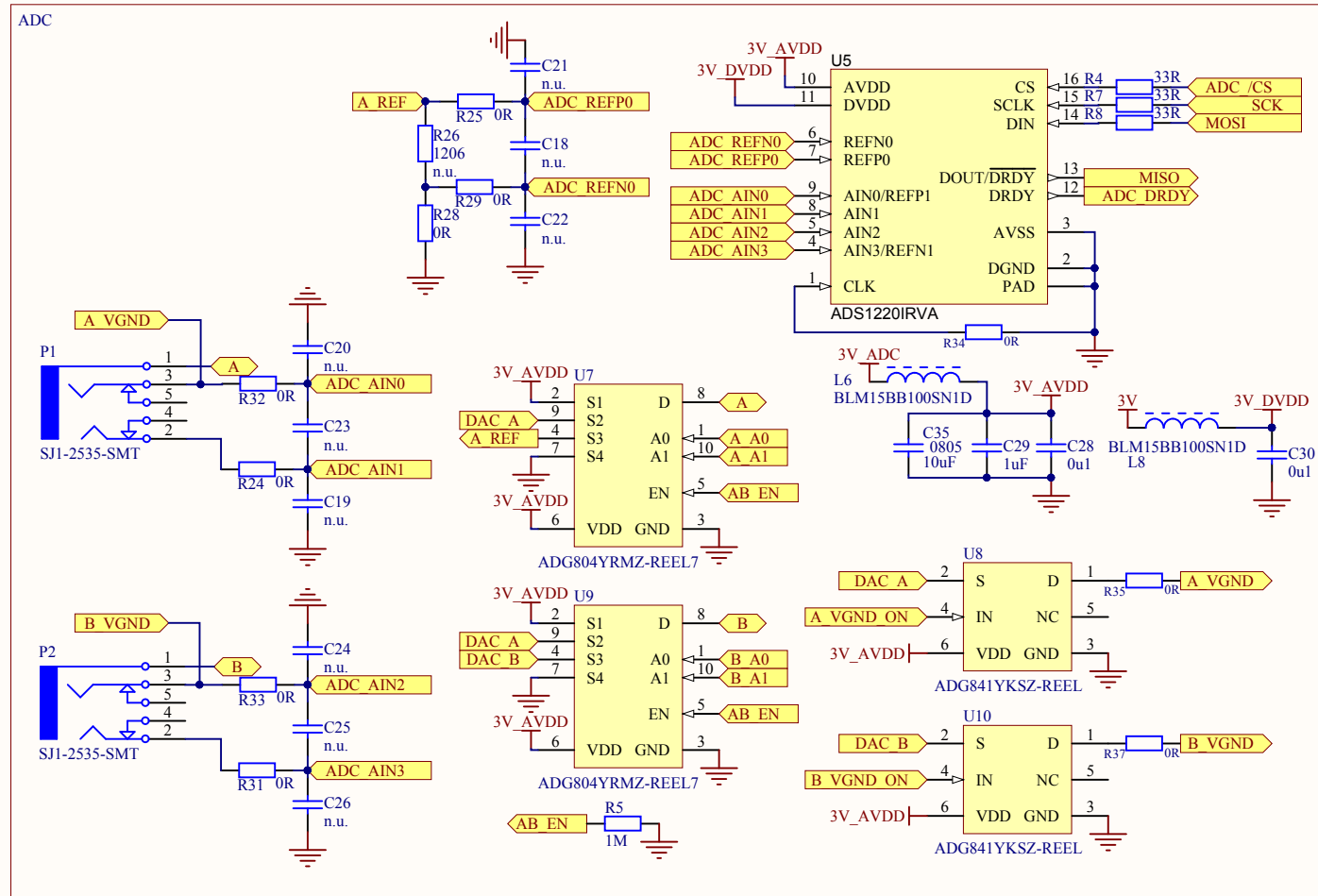
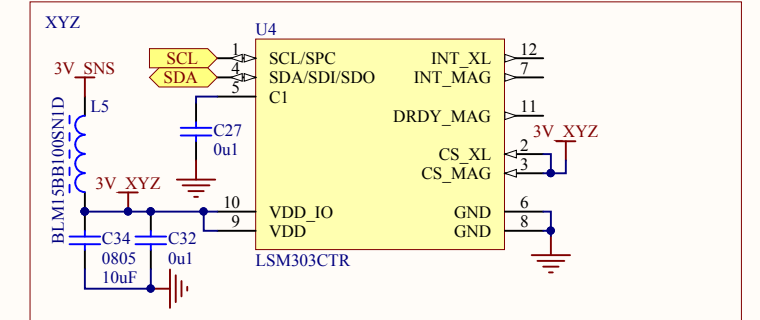
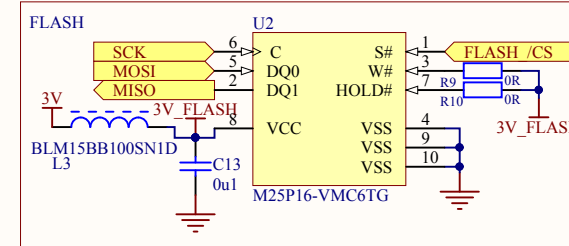
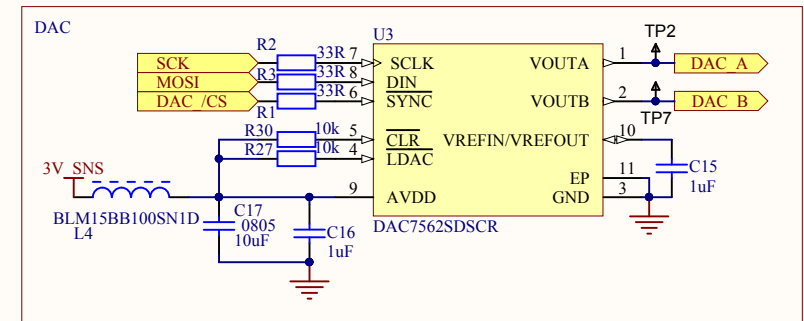
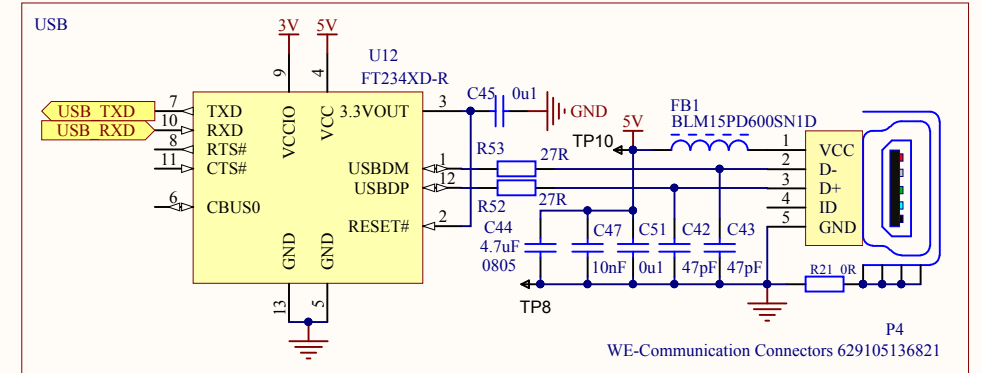
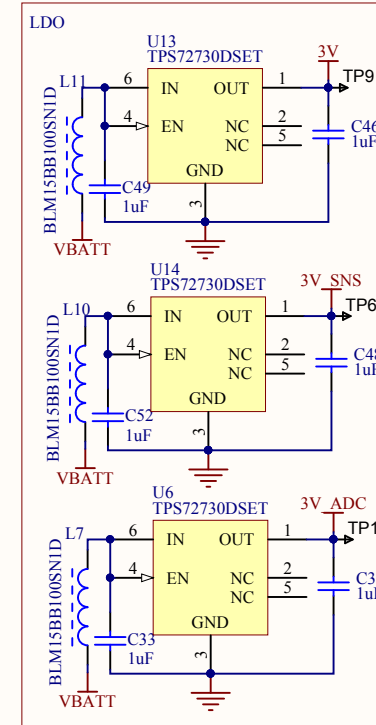
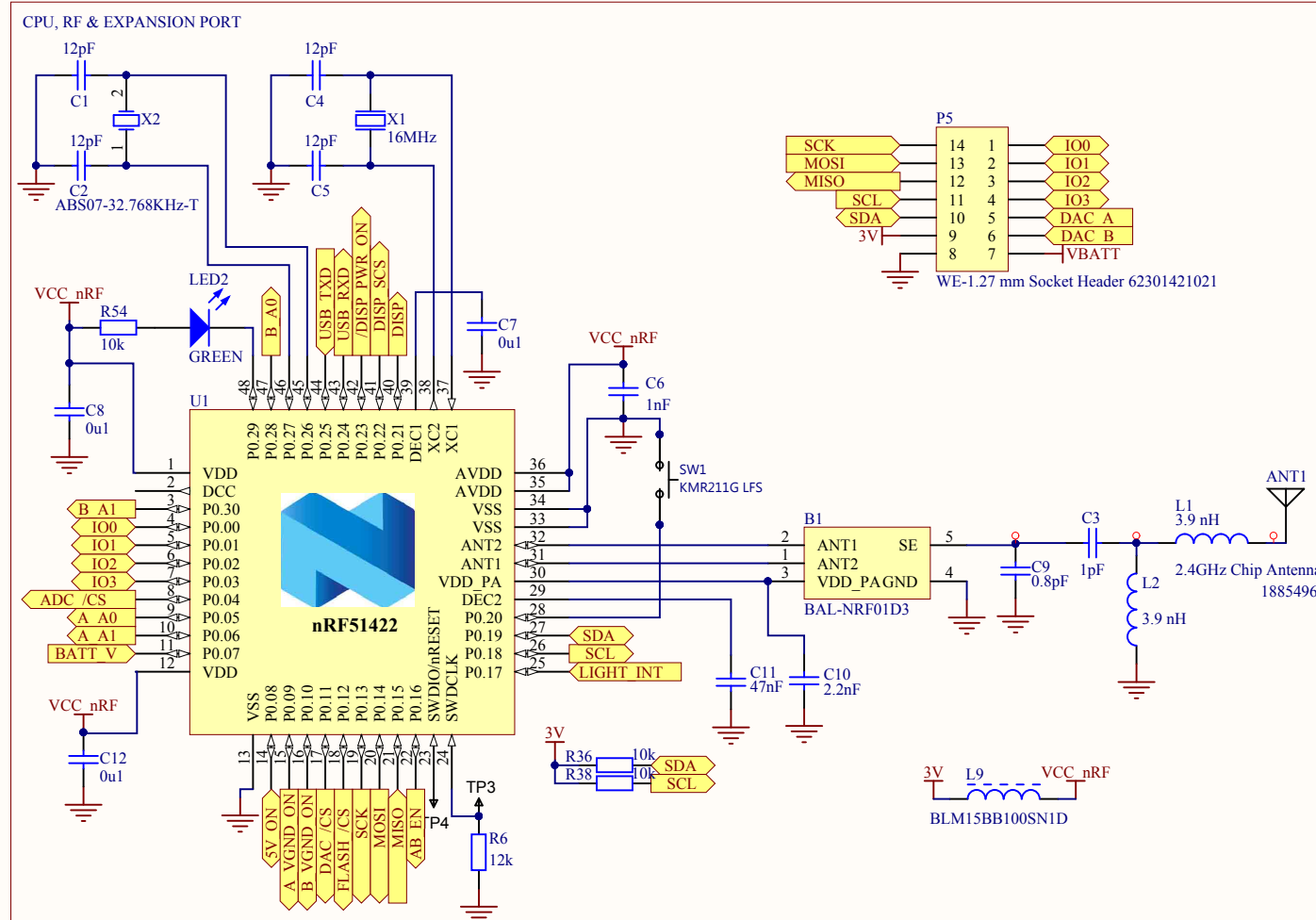
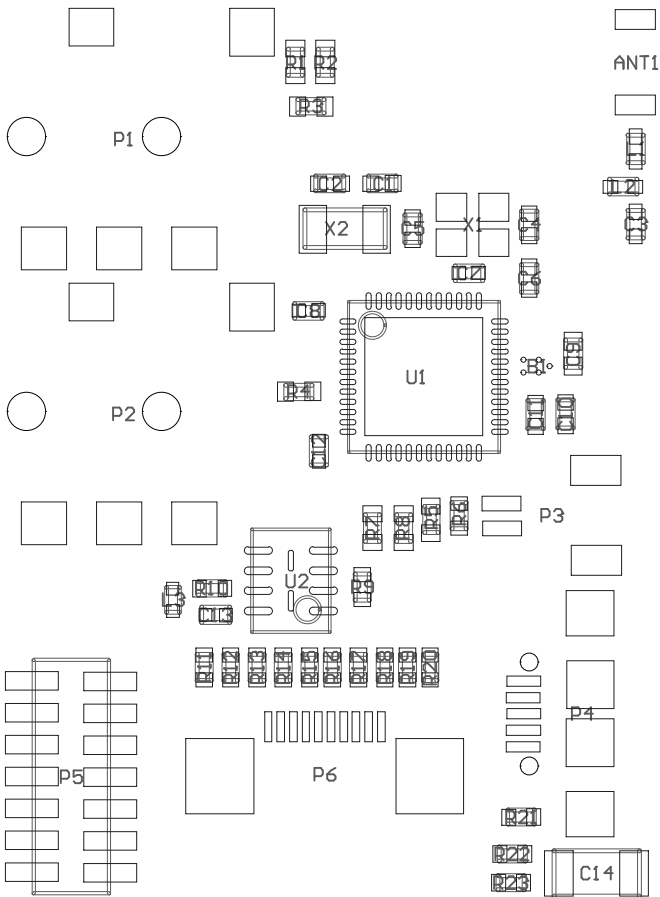
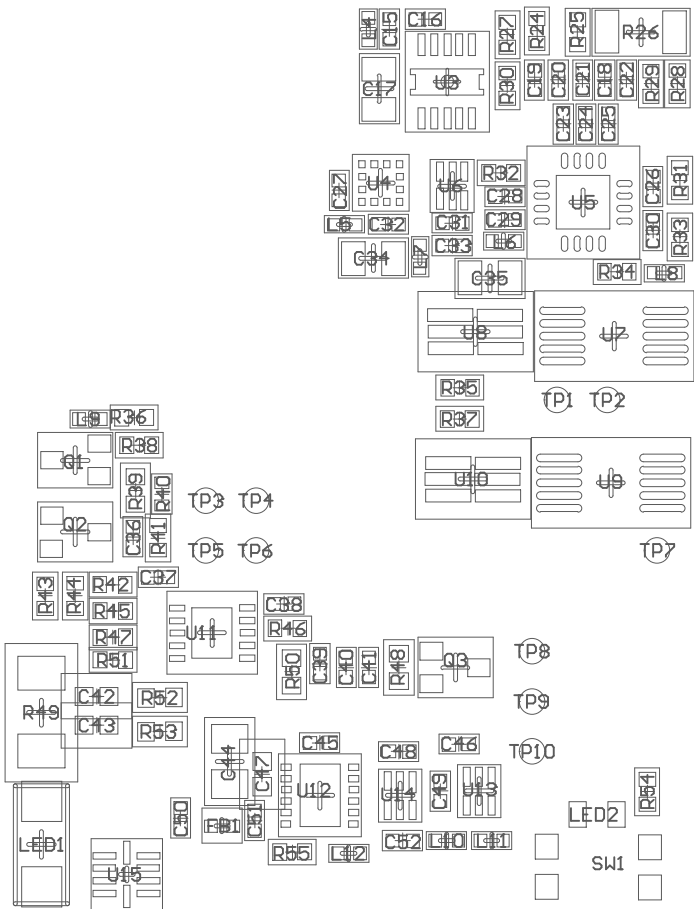
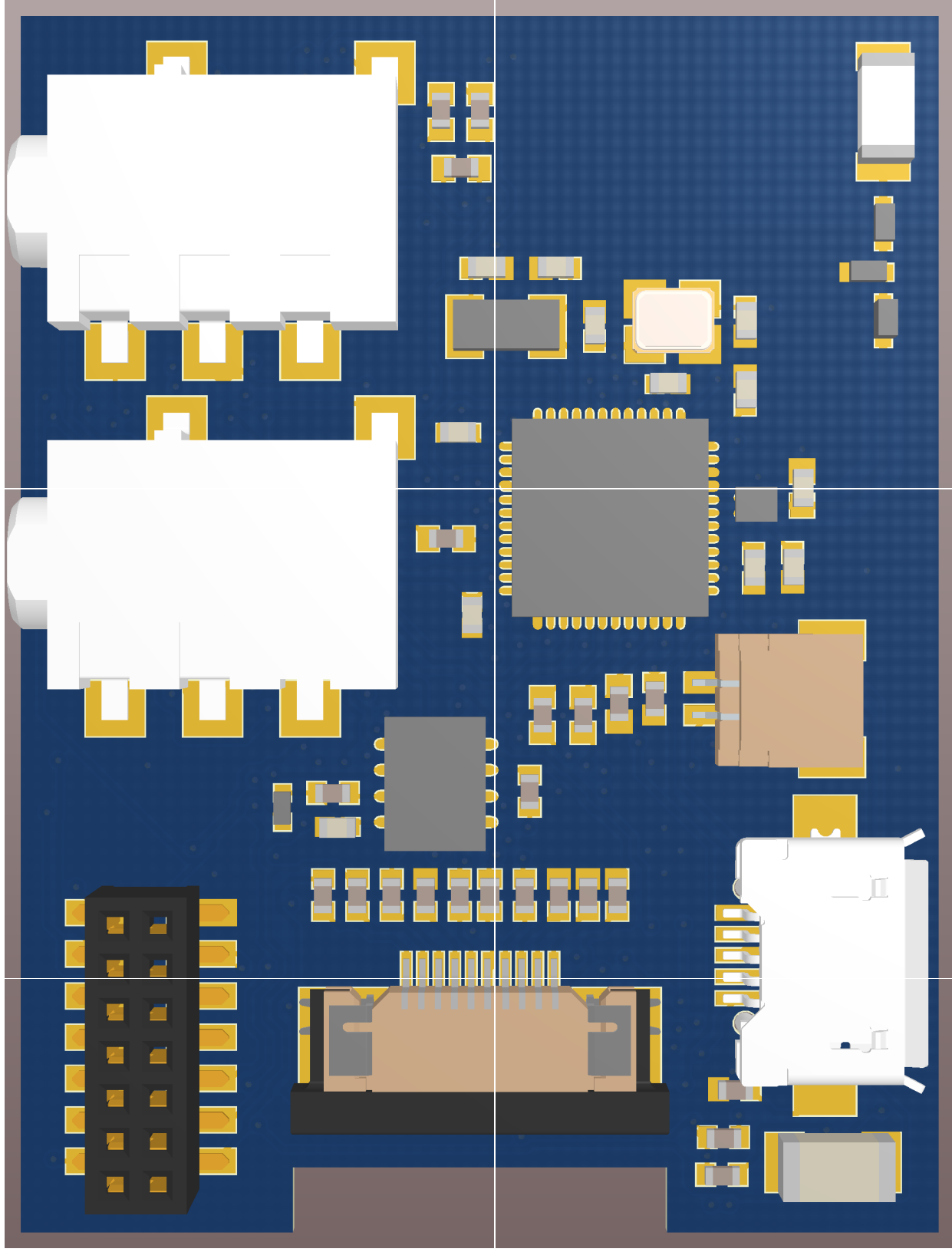


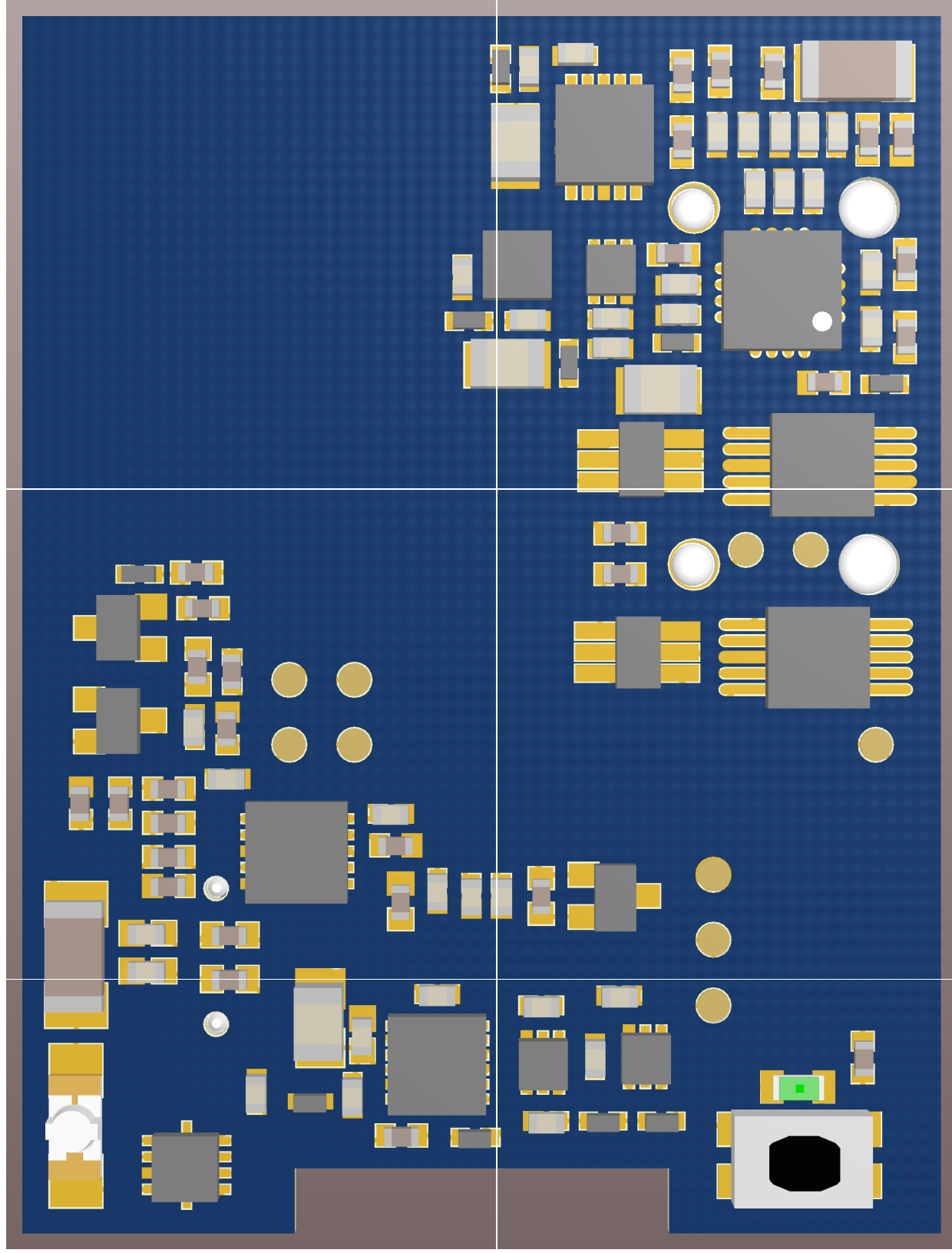


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Component	Description	Designator	Part#/Ref	Mount	Quantity
14GHz Chip Antenna	2.4GHz Chip Antenna	ANT2	245AT23A100E	245AT23A100E	1
BAL-NRF50D3	ST-BAL-NRF50D3	B3	BAL-NRF50D3	BAL-NRF50D3	1
CAP 12pF 50V ±5% 0402 (2005 Metric)	CAP 12pF 50V ±5% 0402 (2005 Metric)	C1, C2, C4, C5	CAPC04021005602_N	CMP-1034-00768-1	4
Cap Semi	Cap Semi	C3	MO2	Cap Semi	1
CAP 1uF 50V 0402(1005)	CAP 1uF 50V ±10% 0402 (1005 Metric)	C6	CAPC04021005603_N	CMP-1034-05426-1	1
CAP 100uF 16V ±5% 0402 (2005 Metric)	CAP 100uF 16V ±5% 0402 (2005 Metric)	C7, C8, C12, C13, C14, C18, C20, C21, C22, C23, C24, C25, C26, C27, C28, C30, C32, C36, C41, C45, C50, C51			
CAP 0.8pF 50V ±0.05pF 0402 (2005 Metric)	CAP 0.8pF 50V ±0.05pF 0402 (2005 Metric)	C9	CAPC04021005602_N	CMP-1034-02068-1	22
CAP 2.2pF 50V ±20% 0402 (2005 Metric)	CAP 2.2pF 50V ±20% 0402 (2005 Metric)	C10	CAPC04021005603_N	CMP-1034-00942-1	1
CAP 47uF 50V ±10% 0402 (2005 Metric)	CAP 47uF 50V ±10% 0402 (2005 Metric)	C11	CAPC04021005603_N	CMP-1034-02024-1	1
CAP 22uF 16V ±10% 1206 (1216 Metric)	CAP 22uF 16V ±10% 1206 (1216 Metric)	C14	CAPC120612161300_N	CMP-1037-04992-1	1
CAP 1uF 6.3V 0402(1005)	CAP 1uF 6.3V ±10% 0402 (2005 Metric)	C15, C16, C19, C31, C33, C37, C38, C39, C40, C46, C48, C49, C52	CAPC04021005601_L	CMP-1034-02113-1	13
CAP 10uF 10V ±10% 0805(2121)	CAP 10uF 10V ±10% 0805 (2121 Metric)	C17, C18, C35	CAPC080520121210_L	CMP-1036-04923-1	3
CAP 47pF 16V 0402(1005)	CAP 47pF 16V ±5% 0402 (2005 Metric)	C42, C43	CAPC04021005603_N	CMP-1034-01385-1	2
CAP 4.7uF 16V 0805(2012)	CAP 4.7uF 16V ±10% 0805 (2012 Metric)	C44	CAPC080520121215_N	CMP-1036-04980-1	1
CAP 10uF 16V 0402(1005)	CAP 10uF 16V ±10% 0402 (2005 Metric)	C47	CAPC04021005603_N	CMP-1034-02876-1	1
BLM15P06003N1D	Chip Ferrite Bead for Power Lines, 40 Ohm, 1700 mA, .05 to 125 degC, 1 x 0.5 x 0.5 mm SMD, Tape and Reel	P81	MURA-BLM15-822-CHP-2-V1	CMP-0686-00129-2	1
Inductor	Inductor	L1, L2	MO2-A	Inductor	2
BLM181001N1D	Chip Ferrite Bead for High-speed Signal Lines, 22 Ohm, 900 mA, .05 to 125 degC, 1 x 0.5 x 0.5 mm SMD, Tape and Reel	L3, L4, L5, L6, L7, L8, L9, L10, L11, L12	MURA-BLM15-CHP-2-V	CMP-0686-00105-1	10
CPH 4056	88 emitter 850 nm	LED1	1206 Cylindrical	LED1206S75300	1
GREEN	Typical R605 GREEN, YELLOW, AMBER GaAs	LED2	0603SLED_G	LED2	1
U10-2535-SMT	C101NC 2.5 MM AL203	PL P2	U10-2535-SMT	U10-2535-SMT	2
WE Wire-to-Board Connectors	ConnWTR Wire-to-Board Connectors 1.00 mm	P3	665102131822	WE Wire-to-Board Connectors 665102131822	1
WE Communication Connectors	WR-COM Mono Wire SMT Type B	P4	629105136821	WE Communication Connectors 629105136821	1
WE 1.27 mm Socket Header 6291042101	WR-PB 1.27 mm Dual SMT Socket Header We-4 Spins	P5	62910421021	WE 1.27 mm Socket Header 62910421021	1
WE 2P Connector WR-PBC 6871014522	WR-PBC 6.35mm 20P Horizontal Bottom Contact	P6	6871014522	WE 2P Connector WR-PBC 6871014522	1
NTN02WTLG	Small Signal MOSFET, 40 V, 90 mA Single, N-Channel, 3 Pin SOT-23, Pb-Free, Tape and Reel	Q1	ONMC-5C-70-3-40V-04-V	CMP-1038-00018-1	1
NTS101PTLG	Power MOSFET, 4 V, 1.4 A, Single, P-Channel, 3 Pin SOT-23, Pb-Free, Tape and Reel	Q2, Q3	ONMC-SOT-523-3-40V-04-V	CMP-1038-00084-1	2
33R 1% 0402(1005)	33R 0.063W 1% 0402 (2005 Metric) SMD	R1, R2, R3, R4, R7, R8	RESC04021005_N	CMP-1011-00038-1	6
10K 1% 0402(1005)	10K 0.063W 1% 0402 (2005 Metric) SMD	R5, R30, R45	RESC04021005_M	CMP-1011-00945-1	3
20K 1% 0402(1005)	20K 0.063W 1% 0402 (2005 Metric) SMD	R6	RESC04021005_N	CMP-1011-00910-1	1
Jumper 0402(1005)	Jumper 0402 (2005 Metric)	R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R28, R29, R31, R32, R33, R34, R35, R37, R42, R45, R47, R51	RESC04021005_N	CMP-1011-00003-1	29
Jumper 1206(1216)	Jumper 1206 (1216 Metric)	R26	RESC120612161_L	CMP-1014-00003-1	1
10K 1% 0402(1005)	10K 0.063W 1% 0402 (2005 Metric) SMD	R27, R30, R36, R38, R41, R43, R44, R46, R54	RESC04021005_N	CMP-1011-00943-1	9
10K 1% 0402(1005)	10K 0.063W 1% 0402 (2005 Metric) SMD	R40	RESC04021005_L	CMP-1011-00889-1	1
33R 1% 1206(1216)	33R 0.25W 1% 1206 (2512 Metric) SMD	R49	RESC120612161_M	CMP-1014-00037-1	1
4099 1% 0402(1005)	4099 0.063W 1% 0402 (2005 Metric) SMD	R50	RESC04021005_M	CMP-1011-00595-1	1
17R 1% 0402(1005)	17R 0.063W 1% 0402 (2005 Metric) SMD	R52, R53	RESC04021005_M	CMP-1011-00331-1	2
407 1% 0402(1005)	407 0.063W 1% 0402 (2005 Metric) SMD	R55	RESC04021005_N	CMP-1011-00598-1	1
0MR211G LFS	0MR211G LFS	SW1	0MR2	0MR2	1
0F81A23-QFAA	Multi-protocol AHD System-on-Chip	U5	QFN40P0400000000-48N	HFT1A23-Q48-0MR2	1
M20P16-VNAC7G	16-Bit, Serial, Low-Power, Ultra-Low-Disturb, Buffered Voltage Output DAC with 2.5 V, 4-gainstage Reference, -40 to 125 degC, 10-pin SON (SSC10), Green (RoHS & no Sb/Br)	U2	QFN40P100K400000-0N_GND_BA8	M20P16-VNAC7G	1
DACT4625DCSR	Ultra-compact high-performance compass, 3D accelerometer and 3D magnetometer module, -40 to +85°C, UGA-12 (20x20)	U3	TI-DS9C10-250NVL000TP_V	TI-DAC0404DC10-250NVL000TP	1
LSM303CTR	Low-Power, Low-Noise, 24-Bit Analog-to-Digital Converter for Small-Signal Sensors, RVA0016A	U4	QFN42P77600-0N_21mm_Larger_pads	LSM303CTR	1
AD51220RVA	Single Output Fast Transient Response 1000, 200 mA, Fixed 3 V Output, 2 to 5.5 V Input, with Ultra-Low IQ, 6-pin WSON (D16), -40 to 125 degC, Green (RoHS & no Sb/Br)	U5	RVA0016A	AD51220RVA	1
TP57120D5ET	1.65 to 1.8 V, CMOS, 0.1 Ohm, 4-Channel Multiplexer, -40 to 125 degC, 10-pin SOP (8MA-10), Reel	U6, U13, U14	TI-DS91C4_V	CMP-0094-01488-1	3
ADGB0RWMZ-REEL	0.18 Ohm CMOS 1.05 to 3.6 V Single SPST Switch, -40 to 125 degC, 6-pin SOT23 (8S-6), Reel	U7, U9	ADI-RM-10-N	CMP-0798-00108-1	2
ADGA1VXZ2-REEL	Dual Source USB/AC/DC Chemistry Charger IC for Portable Applications, 10-pin ULP, Pb-Free	U8, U10	ADI-KS-6-M	CMP-0790-00058-1	2
LM358SDNOPB	FT24RL0D USB to RS485 UART IC, -40 to +85 degC, 12-Pin QFN, Pb-Free, Tape and Reel	U11	SDA10A	CMP-0063-00780-2	1
FT24RL0D-R	Proximity / Ambient Light Sensor IC with I2C Interface, 3 LED Drivers, -40 to 85 degC, 10-pin QFN, Tape and Reel	U12	DFN-12-V	CMP-0248-00027-1	1
U1145	OTAL SMD 2530, 100mA, Ref., ±15ppm	U15	SLAB-QFN-10-V	CMP-0371-00001-2	1
10MnV	OTAL SMD 2530, 100mA, Ref., ±15ppm	U6	BTX-TAL-2520	BTX-TAL-2520	1
AB507-32708NvA-T	Control, 32708 VHS, 12.5	U6	ABMA-AB507-2-V	CMP-0447-00003-2	1