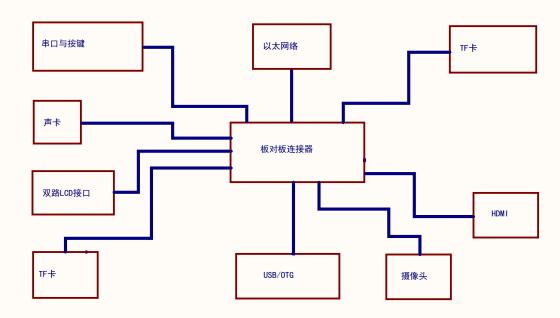
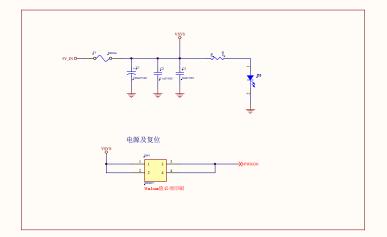
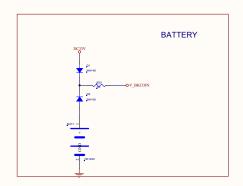
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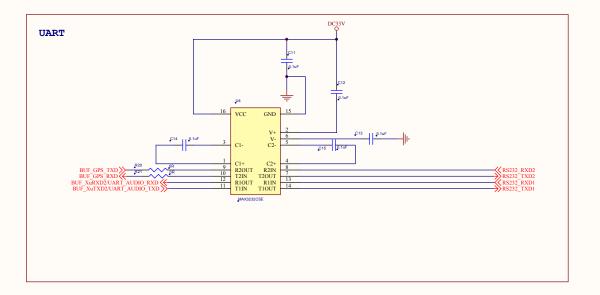
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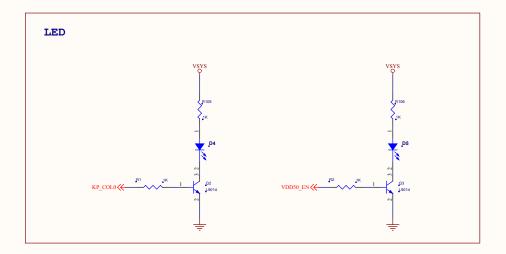








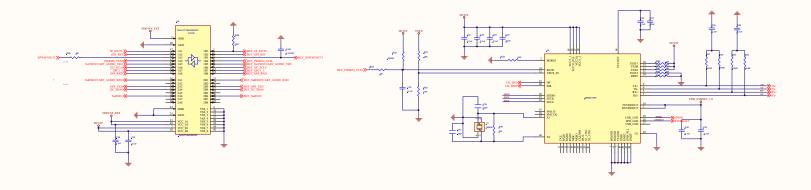




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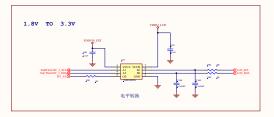
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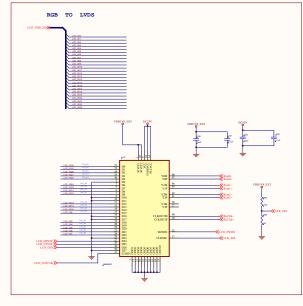
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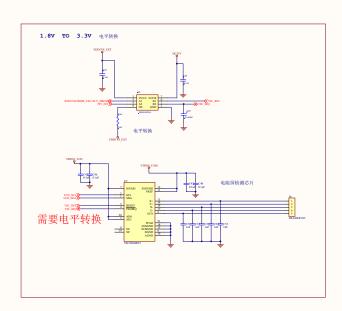


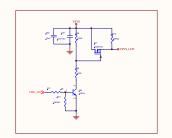
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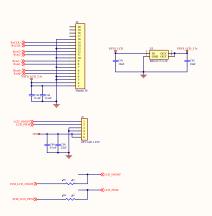


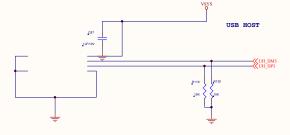


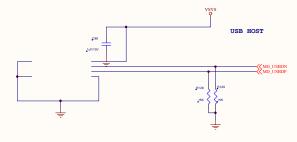


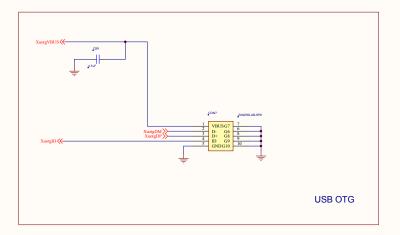


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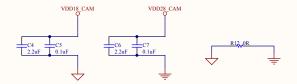


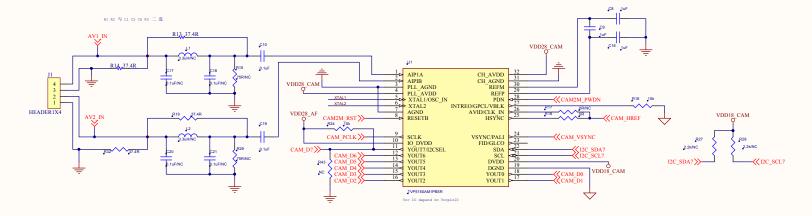
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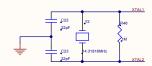
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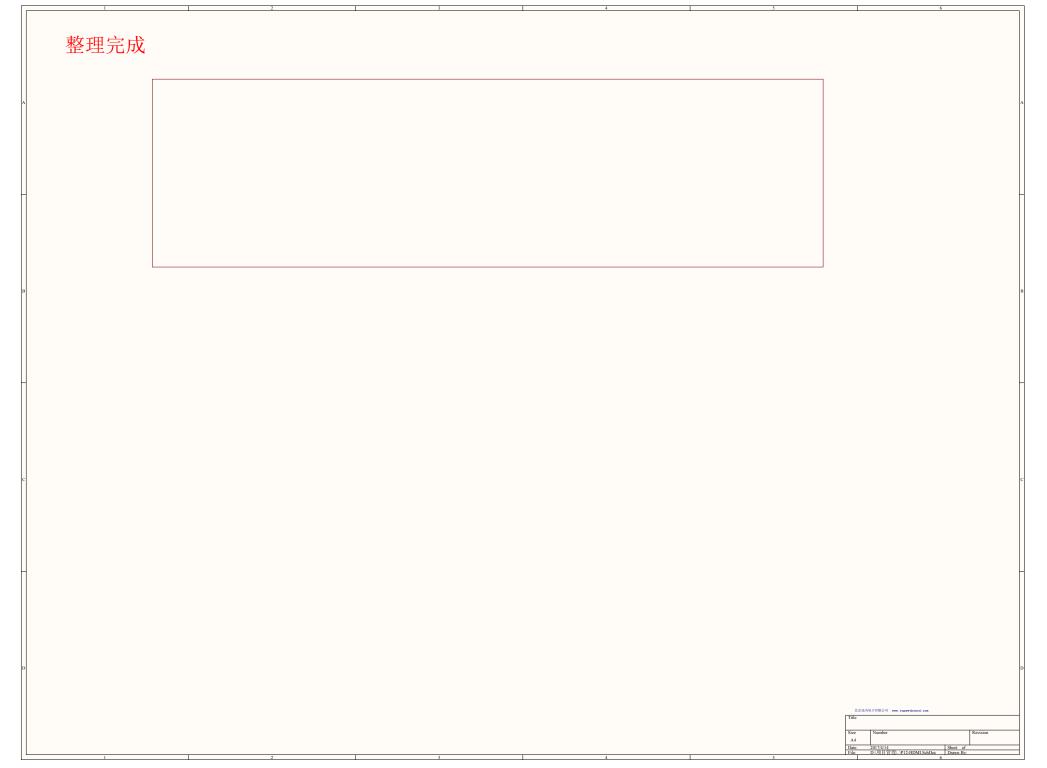
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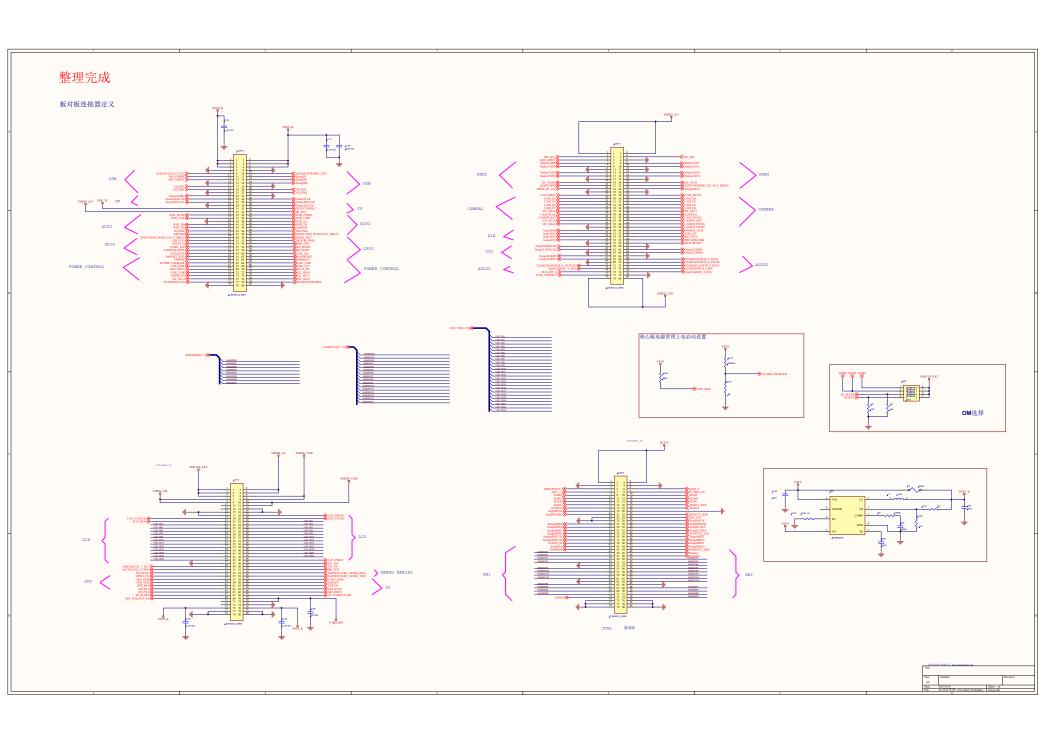


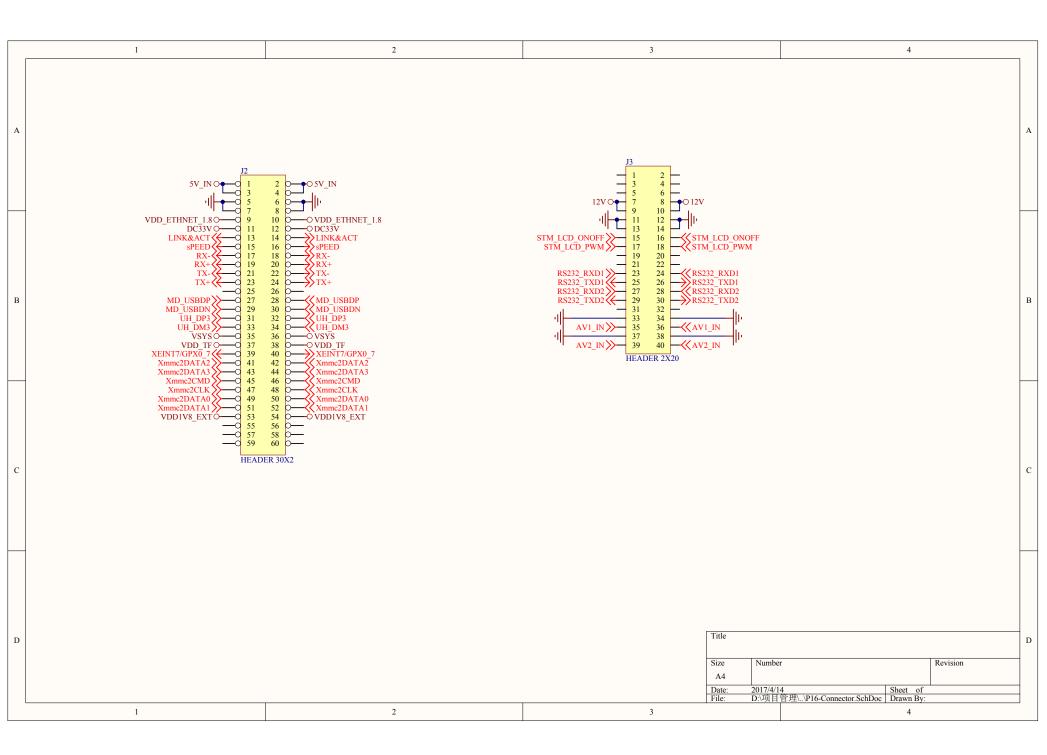


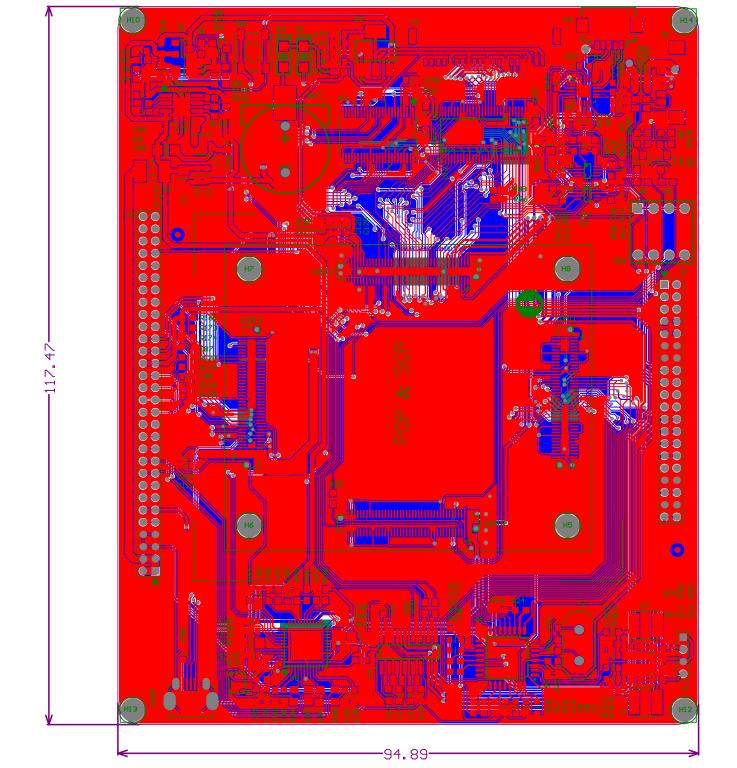


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Comment CR1220	Description	Designator BAT1	Footprint BAT1	LibRef BATTERY_0	Quantity
100uF/10V		C1	C1206-S	CT2012_0	
0.1uF/10V		C2, C112, C117, C129, C130	C0603-S	C1608_Dup1, C0402_0, C0402_0, C0402_0,	
10uF/10V		C130	C0603-S	C0402_0 C1608_Dup1	
2.2uF		C4, C6	C0603-S	Cap Semi	
).luF	RoValue], [NoValue], RioValue], RioValue], [RioValue], RioValue],	C5, C7, C10, C11, C12, C13, C14, C15, C19, C24, C25, C26, C28, C29, C30, C31, C32, C33, C35, C38, C39, C41, C44, C45, C46, C47, C48, C49, C57, C58, C60, C79, C80	C0603-S	Cap Semi, Cap Semi, Cap Semi, Cap Semi, Cap Semi, Cap Semi, Co603.0, Co608.0 Lpl. Co608.0 Lp	31
1uF		C8, C9, C16	C0603-S	C0603 0 C0603_0	3
IUF		C17. C18. C20. C21.	C0003-3	C0603_0, C0603_0, C0603_0, C0603_0,	
0.1uF/NC		C40, C148, C149, C150	C0603-S	C0603_0, C0603_0, C0603_0, C0402_0, C0402_0, C1608_Dup1	8
22pF		C22, C23, C36, C37	C0603-s	C1005, C1005, CAP_1,	4
22uF		C27, C34	C1206-S	CAP 1 C1206_0	2
10uF	CAP, CAP, CER CHIP 1U 10% XSR 0402 10V L/F	C41, C42, C154	C0603-s	CAP, CAP, CAP NP_3	3
22uF	CAP, [NoValue]	C50, C93	C0805-s	CAP, C1005	
1nF 10uF		C51, C52, C53, C54, C55 C56, C59, C62	C0603-S C0805-S	Cap Semi C1608_Dup2	3
47uF/16v		C61	C1206-S	C1608_Dup2	1
1uF/10V 4.7uF		C87, C88, C128 C89	C0603-S C0603-S	C0603_0 C1005	3
560pF	CER CHIP 1U 10% XSR	C95	C0603-S	CAP NP_3	1
10nF	0402 10V L/F CER CHIP 1U 10% XSR	C96	C0603-S	CAP NP_3	1
22uF/10V	0402 10V L/F	C118	C1206-S	C1206_0	1
ZX62RD-AB-5P8		CON7 CON10, CON11, con12,	MICROUSB-B-H4	ZX62RD-AB-5P8_3	1
CON40X2_0_8MM		CON13	CON2X40-0_5MM-BB	CON40X2_0_8MM	4
IN4148 LED-Red (SMD 2012)		D1, D2 D3, D4, D5	D1206 LED0603	DIODE LED-RED_SMD_1	
500ma		F1	F1812	FUSE	1
0R/NC		F2 H5. H6. H7. H8. H10.	F1206	FUSE	
TP_P0_0.8_D0		H12. H13. H14	HOLE2_7	TP_P0_0.8_D0	8
HEADER1X4 HEADER 30X2		J1 J2	HD1X4-2.00 HD2X30-2.00	HEADER 1X4 HEADER 30X2	1
HEADER 2X20		J3	HD2X20-2.00	HEADER 2X20	1
Header 20 DF13-6P-1.25V	Header, 20-Pin	J4 J5	DF19G-20P DF13-6P-1.25V	Header 20 HEADER1X6	1
HEADER1X5		J6	FFC/SM1.0-5	HEADER1X5	1
3.3uH/NC 2.2uH		L1, L2 L7	L4X4-S L3X3MM	LQH32C_0 LQH32C_0	1
L9014		Q2, Q3, Q8	SOT-23	L14P2/TO_1	
AO3415A 1K		Q7 R1, R2, R7, R105, R106	SOT-23 R0603-S	MOSFET P R1005_0_Dup1	
LOK		R3 R4, R5, R6, R16, R24, R26, R33, R36, R39, R41, R42, R44, R48, R86	R0603-S R0603-S	R1005.0 R1005.0, Dup1, R1005.0, Dup1, R1005.0, Dup1, R1005.0, R1005.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0, RESISTOR.0,	14
100K 22R		R8 R9	R0603-S R0603-S	R1005_0_Dup1 R1005_0_Dup1	1
0R/NC		R10, R17	R0603-S	R1005_0_Dup1,	1
10K/NC		R11, R30	R0603-S	R1005_0_Dup1,	
OR .		R12, R18, R20, R21, R22, R23, R25, R40, R49, R50, R174	R0603-S	RESISTOR 0 Res, R1005_0, R1005_0, R1005_0, R1005_0, R1005_0_Dup1, R, RESISTOR_0, RESISTOR_0, R1005_0_Dup1, R1005_0_Dup1, R1005_0_Dup1, R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1 R1005_0_Dup1	11
37.4R		R13, R14, R19, R32	R0603-S	R1005 0	4
75R/NC 2.2k/NC		R15, R29 R27, R28	R0603-S R0603-S	R1005_0 R1005_0	2
LSK		R31, R119, R120, R128,	R0603-S	RESISTOR_0, R1005_0, R1005_0, R1005_0,	
		R129		R1005_0	5
19.9R NC 17K		R34, R35, R37, R38 R43, R51, R52, R89, R131, R135	R0603-S R0603-S	R_Dup2 R1005_0, R1005_0_Dup1, R1005_0_Dup1, R1005_0_Dup1, R1005_0_Dup1, R1005_0_R1005_0	6
1M		R46, R47	R0603-S	RESISTOR_0 R1005_0, RESISTOR_0	
510K 1% BOOK		R133 R165	R0603-S R0603-S	R1005_0 R1005_0_Dup1	1
BOOK/NC		R165 R173	R0603-S	R1005_0_Dup1 R1005_0_Dup1	
RESET		SW1	SW4-SMD	SW-4	1
SW-3 IVPS150AM1PBSR	<u> </u>	U1	bmkg4 QFP7X7-32	SW-3_1 TVPS151	1
DS0102DCU	800mA and 1A Low Dropout Positive Regulator 2.85V, 3.3V,	U2, U17 U3	tssop8 SOT-223	TXS0102DCU_1 REG1117-3.3	1
REG1117-3.3V	SV, and Adjustable		50.15		
	1	U4 US	SO-16 QFN20	MAX3232EEAE TSC2004IRTJ	1
MAX3232CSE	Current Sensor	US			1
MAX3232CSE TSC2004IRTJ DM9621ANP	Current Sensor	U8	QFN48-050-0707LH	DM9621NP_1	
MAX3232CSE TSC2004IRTJ DM9621ANP U-74ALVC164245DGG	Current Sensor		QFN48-050-0707LH TSSOP_48 TSSOP56	U-74ALVC164245DGG	1
MAX3232CSE TSC2004IRTJ DM9621ANP U-74ALVC164245DGG GM828SC RT8065ZSP	Current Sensor	U8 U9 U12 U22	TSSOP_48 TSSOP56 soic8-lh	U-74ALVC164245DGG U-SN75LVDS83BDGG_3 RT8065_3	1 1
MAX3232CSE TSC2004IRTJ DM9621ANP U-74ALVC164245DGG GM8285C	Current Sensor	U8 U9 U12	TSSOP_48 TSSOP56	U-74ALVC164245DGG U-SN75LVDS83BDGG_3	1