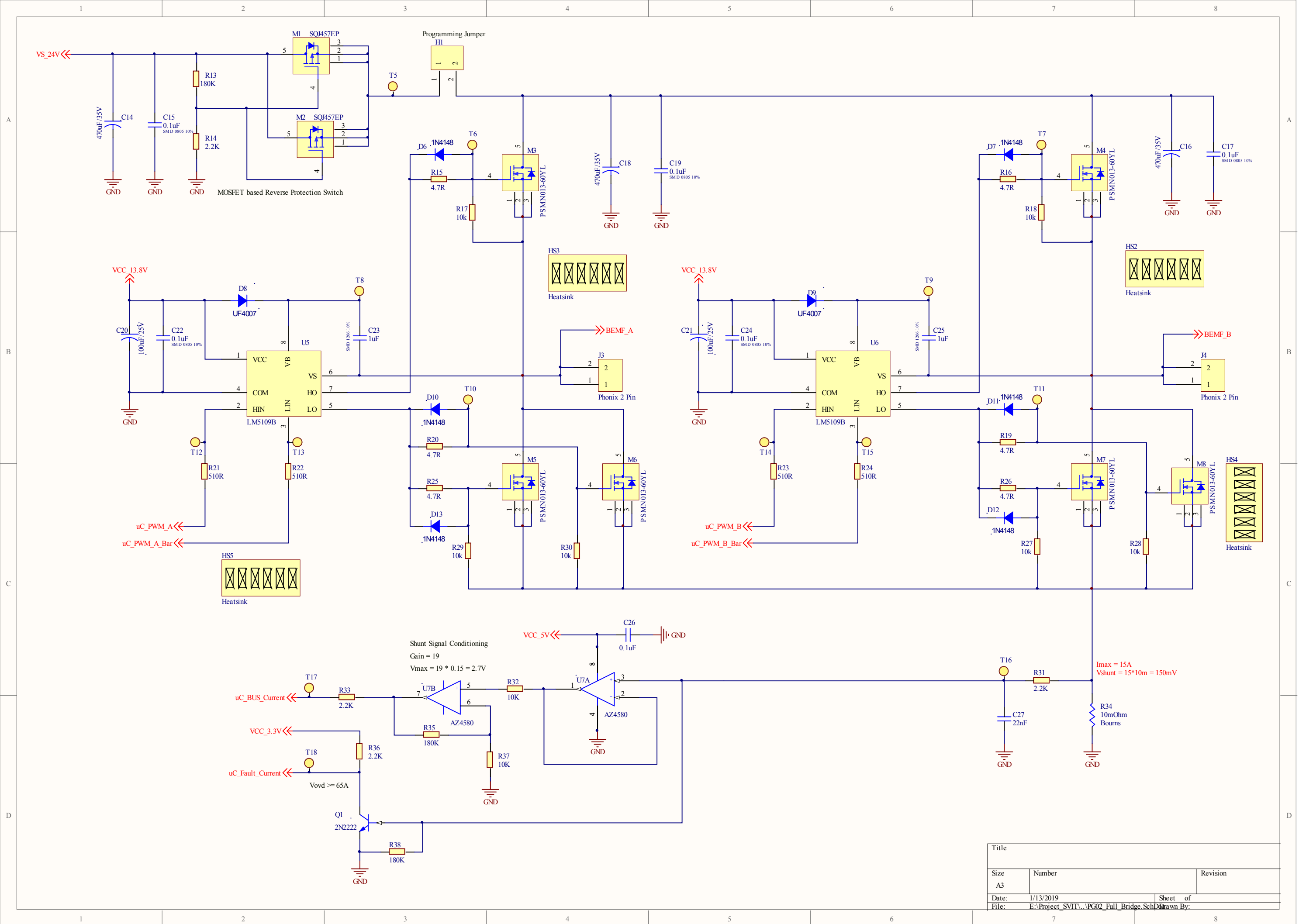
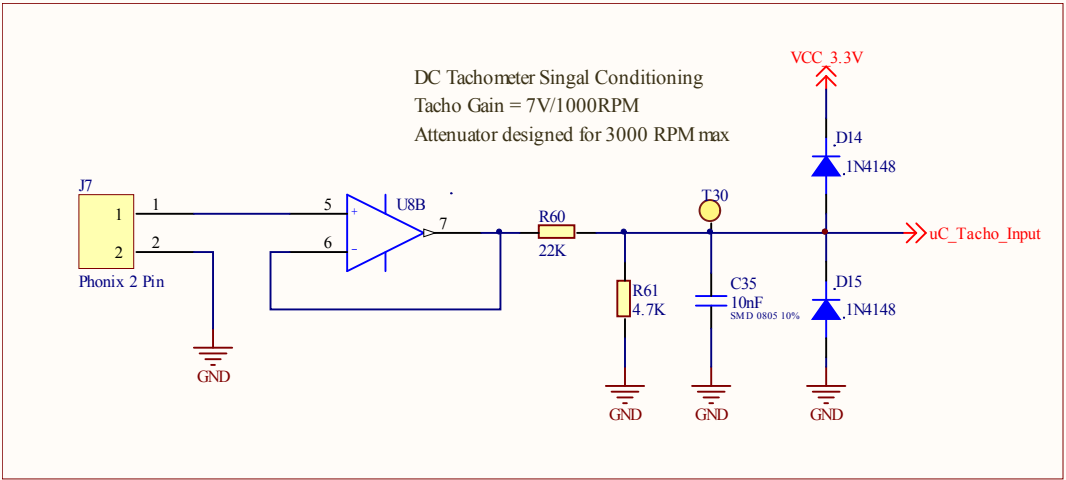
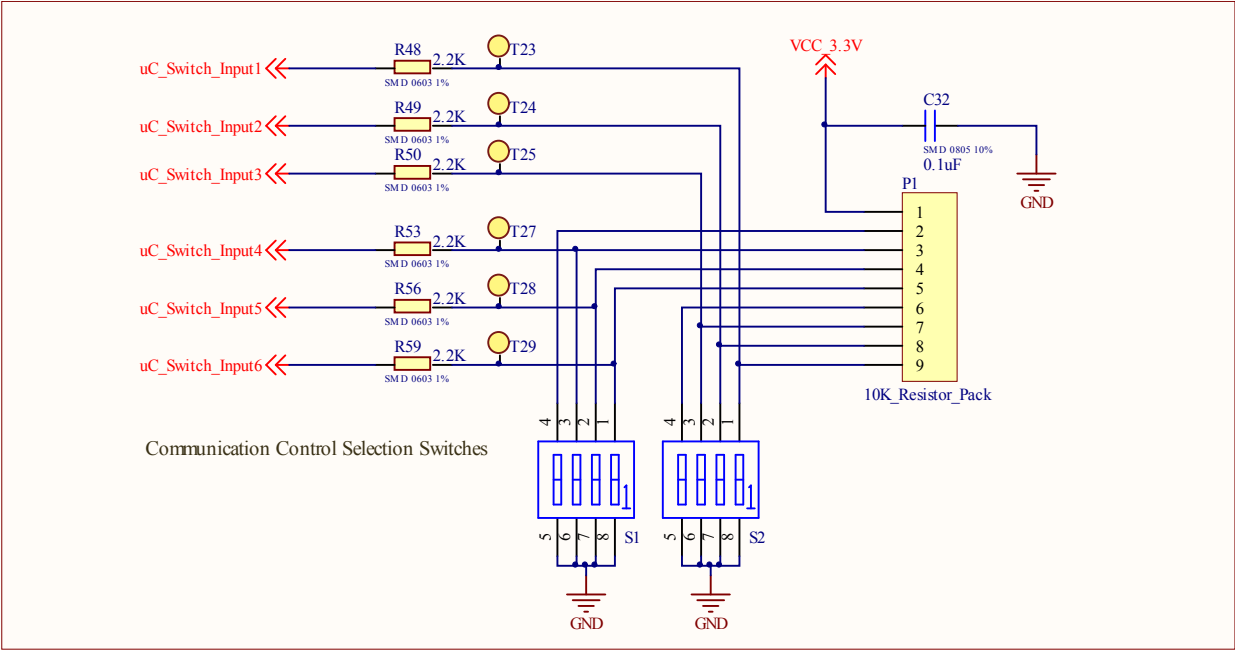
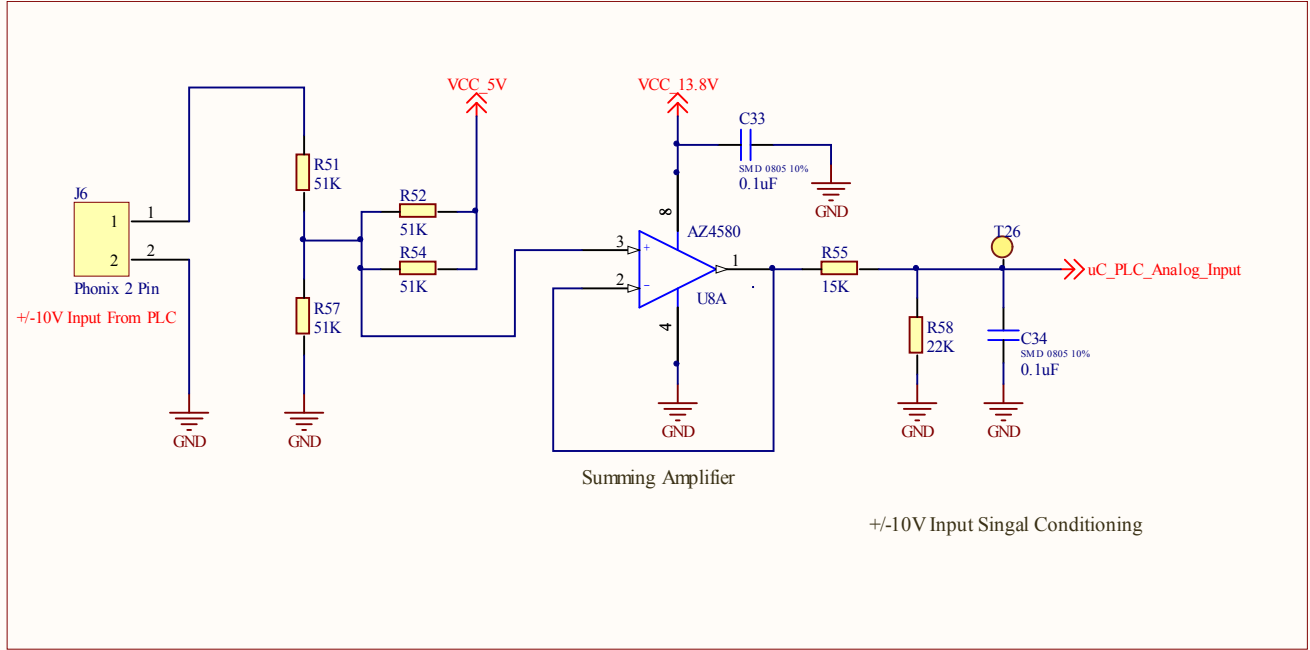
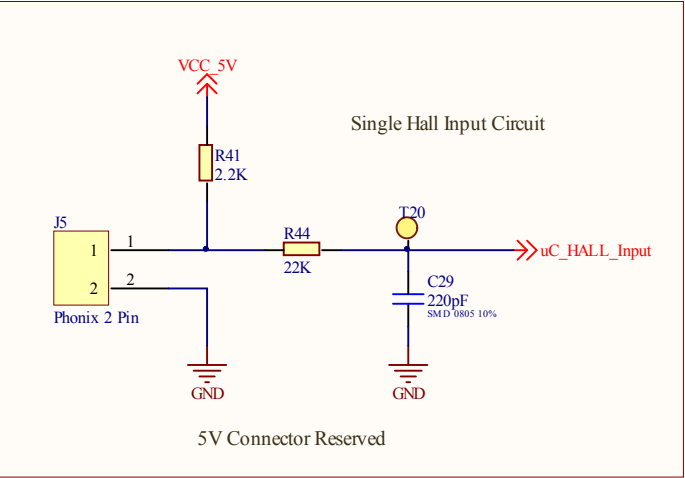
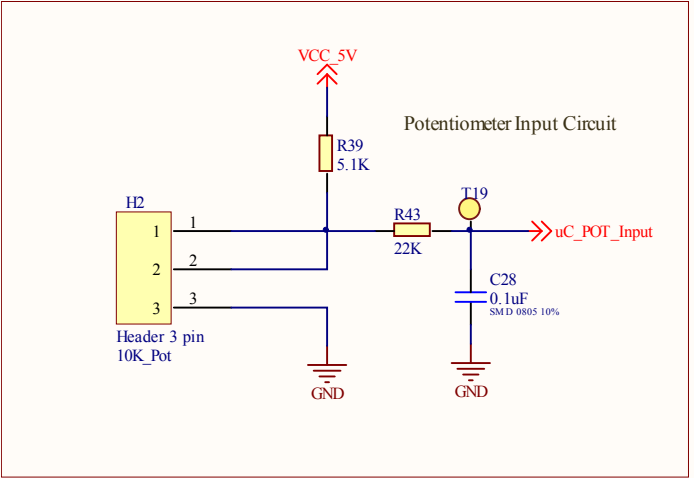
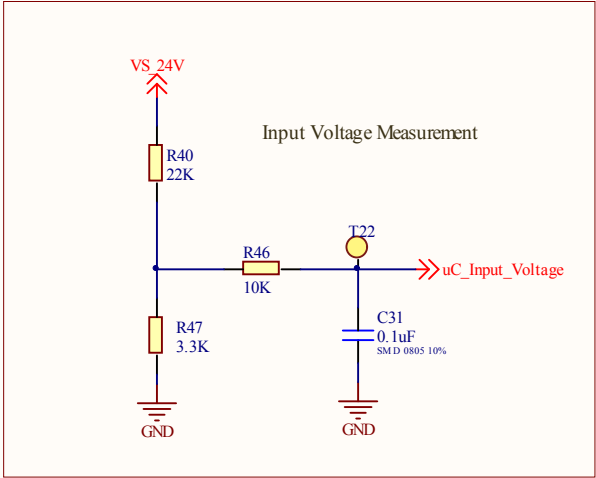
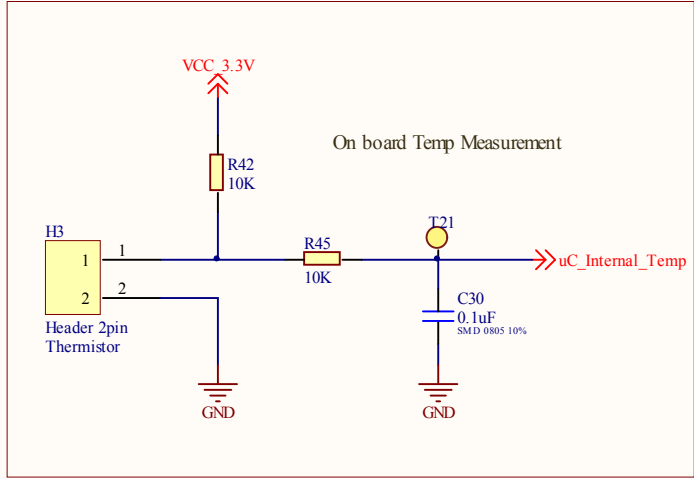
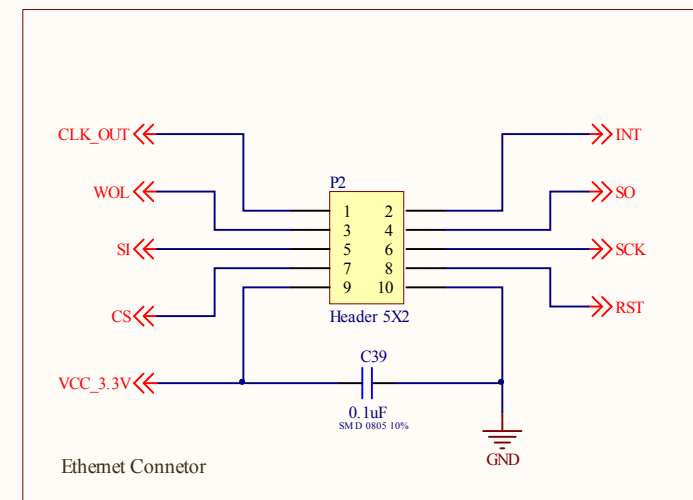
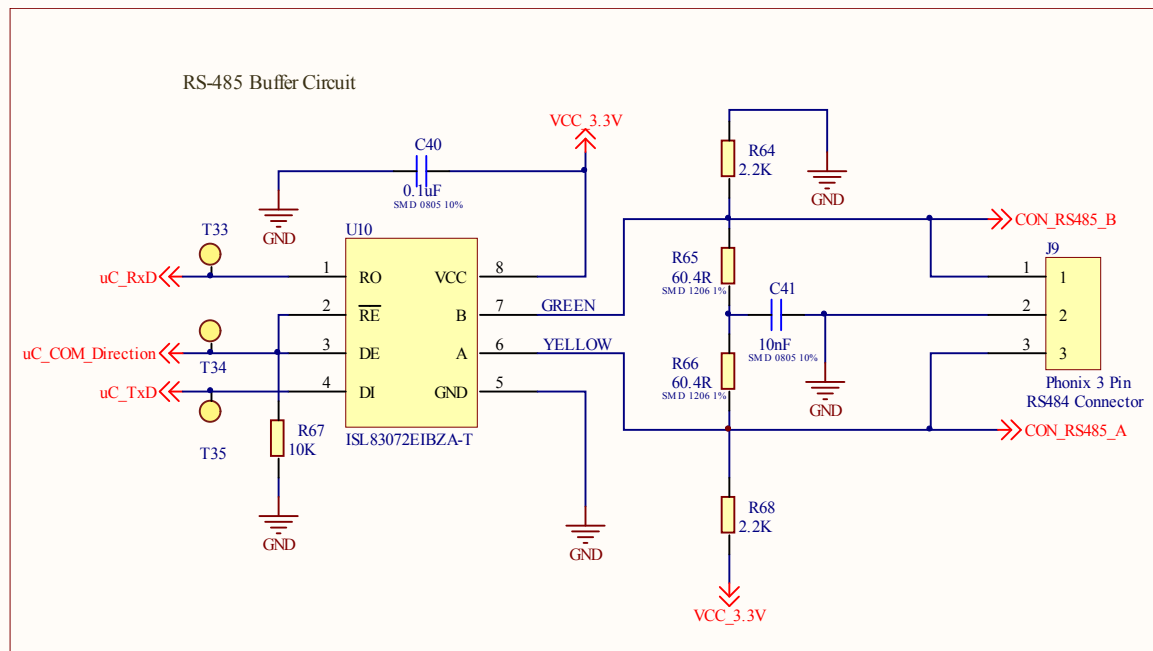
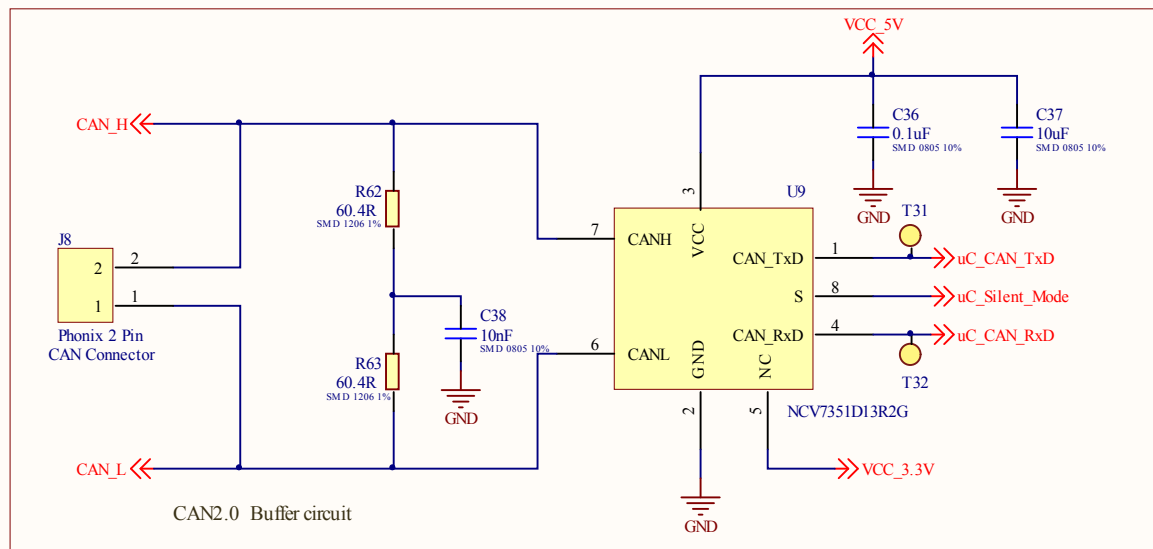


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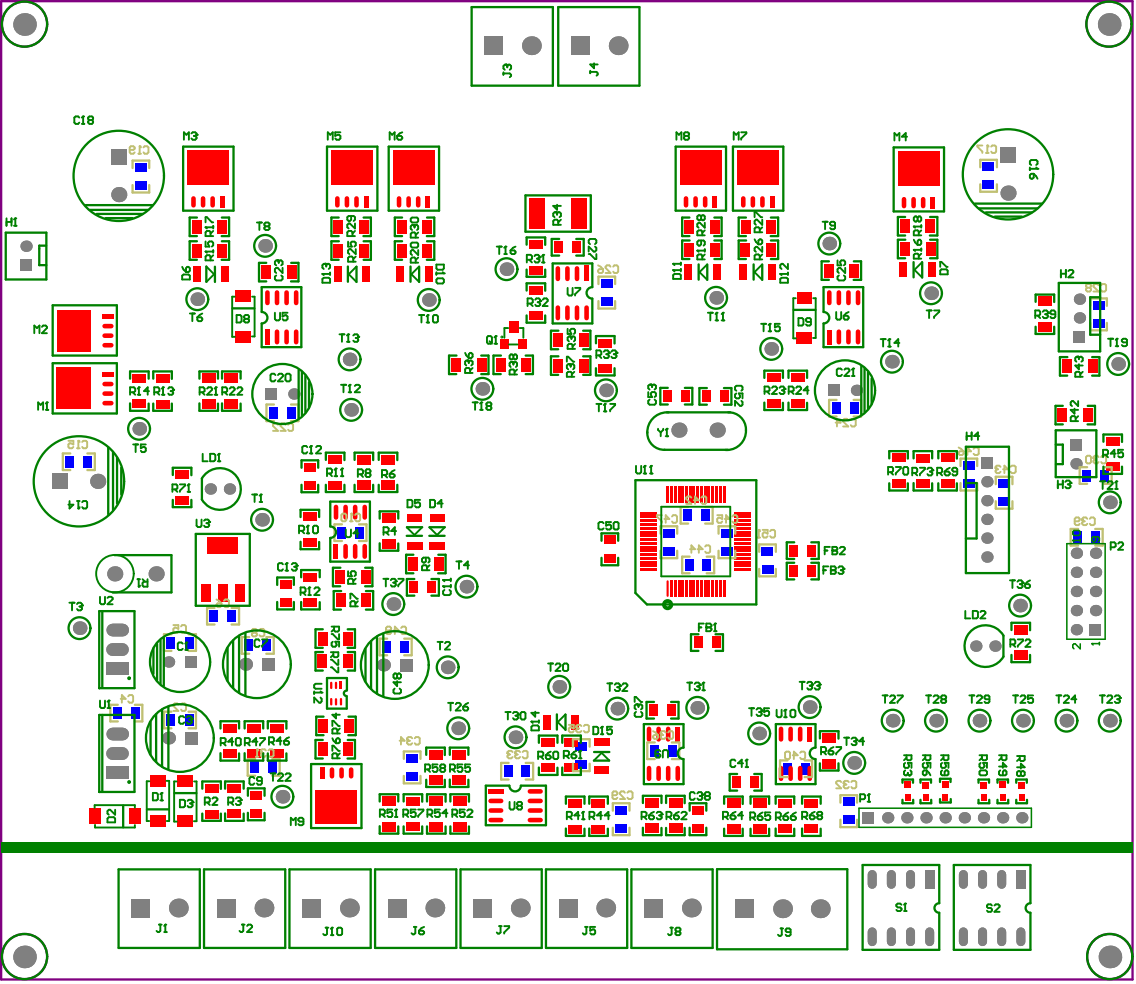




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Title		
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Date:	1/13/2019	Sheet of
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Comment	Description	Designator	Footprint	LibRef	Quantity
Electrolyte Cap		C1	CAP 5MM	CAP	1
		C2, C4, C5, C6, C8, C9, C10, C11, C12, C13, C15, C17, C19, C22, C24, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C49, C50, C51, C52, C53			
SMD 0805 10%			SMD0805	CAP_SMD	42
Electrolyte Cap		C3, C7	CAP_8mm	CAP	2
Electrolyte Cap		C14, C16, C18	CAP 10MM DIA	CAP	3
100uF/25V		C20, C21	CAP 5MM	CAP	2
SMD 1206 10%		C23, C25	SMD1206	CAP_SMD	2
Cap 5mm radial		C48	CAP_8mm	CAP_Electrolytic_5mm	1
Diode SMA		D1, D2, D3	DO-214(SMA)	Diode_SMA	3
		D4, D5, D6, D7, D10, D11, D12, D13, D14, D15			
1N4148			SOD-80	1N4148	10
UF4007		D8, D9	DO-214(SMA)	1N4148	2
Femte Bead		FB1, FB2, FB3	SMD0805	R_3	3
Header 2 pin		H1	Header-2-Pin	Header_2_Pin	1
10K_Pot		H2	Header-3-Pin	Header_3_Pin	1
Thermistor		H3	Header-2-Pin	Header_2_Pin	1
PICK13		H4	Header1x6	Header_6_Pin	1
Heatsink		HS1, HS2, HS3, HS4, HS5	Heatsink_25mm	HS_15W	5
Phonix 2 Pin		J1, J2, J3, J4, J5, J6, J7, J8, J10	PHONIX2	Phonix_2_Pin	9
Phonix 3 Pin		J9	Phonix_3	Phonix_3_Pin	1
LED		LD1, LD2	LED	LED	2
P MOSFET		M1, M2	SO8-L	PMOS_SQJ457EP	2
N MOSFET		M3, M4, M5, M6, M7, M8, M9	SO8-L	MOS_PSMN013-60YL	7
10K_Resistor_Pack	Header, 9-Pin	P1	HDR1X9	Header 9	1
Header 5X2	Header, 5-Pin, Dual row	P2	HDR2X5	Header 5X2	1
NPN Transistor		Q1	SOT23-3-Leads	2N3904_1	1
Series Resistor		R1	Axial_2W_Vert	RES_TH	1
		R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R51, R52, R54, R55, R57, R58, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77			
SMD 1206 1%			SMD1206	RES_SMD	69
CRA2512		R34	SMD2512	RES_TH	1
SMD 0603 1%		R48, R49, R50, R53, R56, R59	SMD0603	RES_SMD	6
2.54mm DIP-4 SMD	DIP Switch, 4 Position, SPST	S1, S2	DIP8	SW DIP-4	2
		T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37			
Through hole TestPoint			TP	TestPoint_TH	37
LM317		U1	TO220_Nomral	LM317	1
LM7805		U2	TO220_Nomral	LM7805	1
3.3V Regulator		U3	SOT-223	LM1117	1
LM358		U4, U7, U8	SOIC-8	LM358	3
LM5109B		U5, U6	SOIC-8	IR2106	2
CAN Transceiver		U9	SOIC-8	NCV7351	1
MAX485		U10	SOIC-8	MAX485	1
DSP		U11	Quad64	98PIC3EP64MC506	1
MOS Driver		U12	SOT23-6	ZXGD3009E6	1
TP		X1, X2, X3, X4	Screw	TEST POINT_0	4
7.3728MHz		Y1	XTAL	Crystal	1