

BAT+
SNS
BAT-
NTC+
NTC-

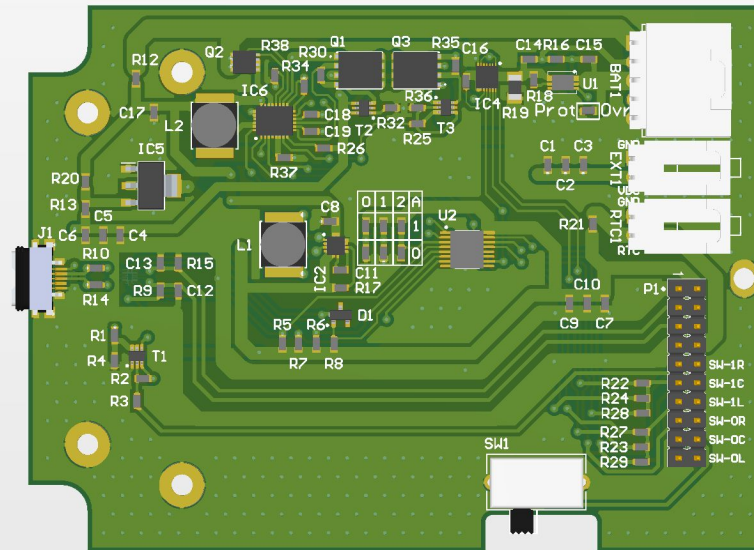
EXT
VDC
GND
RTC

P1

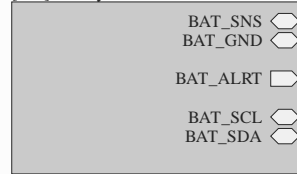
SW-1R
SW-1C
SW-1L
SW-OR
SW-OC
SW-OL

SW1

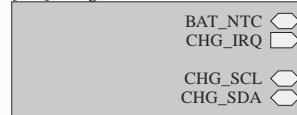
0	1	2	A
1	0	1	0



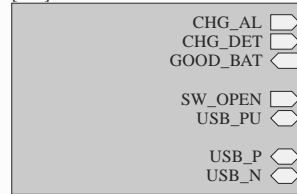
U_[002] Battery
[002] Battery.SchDoc



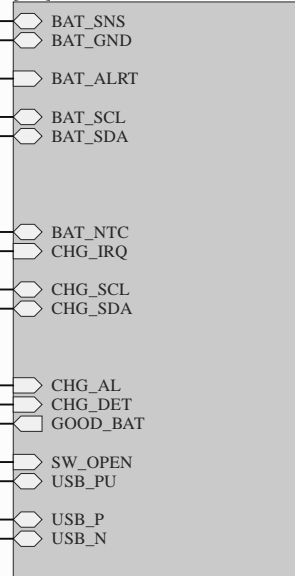
U_[004] Charger
[004] Charger.SchDoc



U_[001] USB
[001] USB.SchDoc



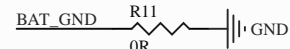
U_[003] Connectors
[003] Connectors.SchDoc



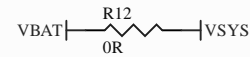
RTC Battery bypass



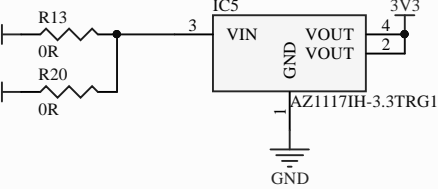
Battery protection bypass



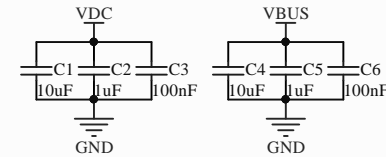
Battery charger bypass



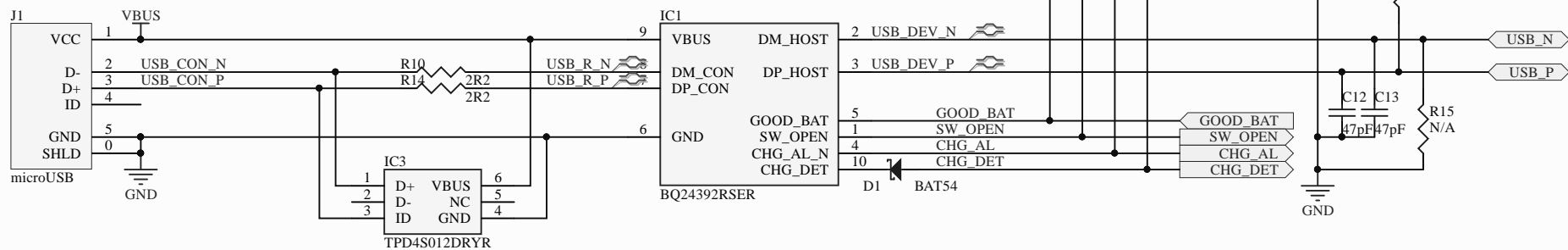
Direct USB power VBUS



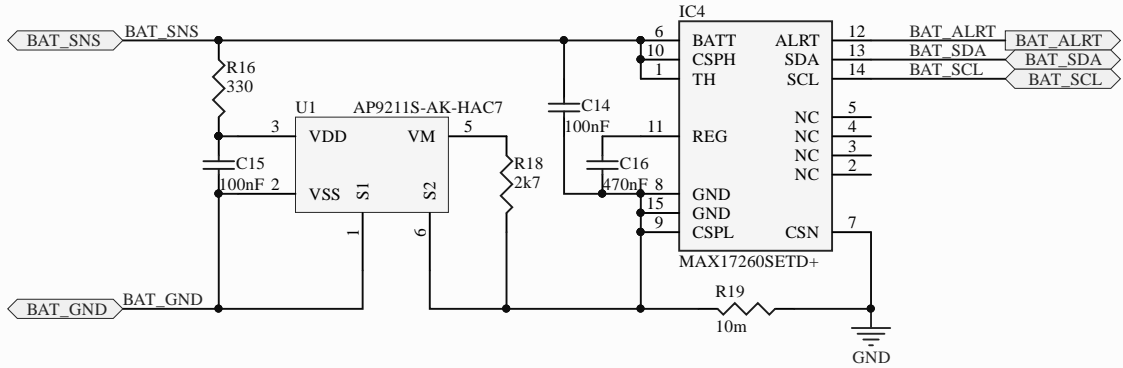
Buck/Boost bypass VSYS



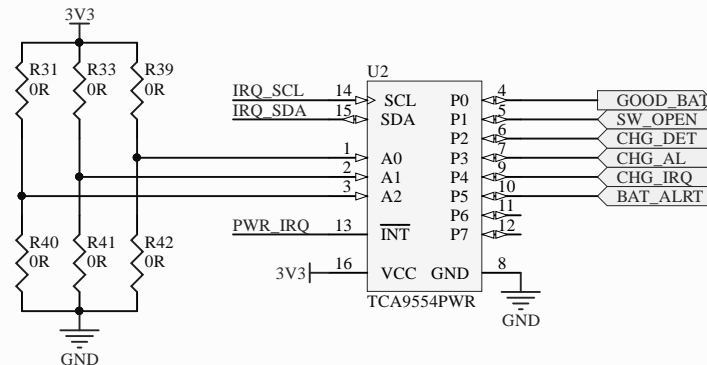
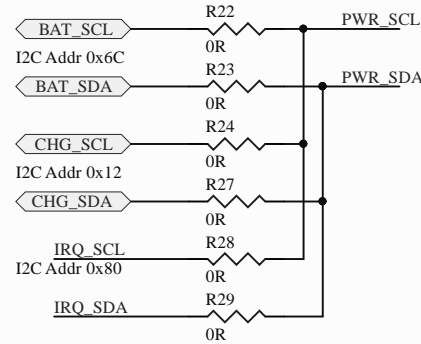
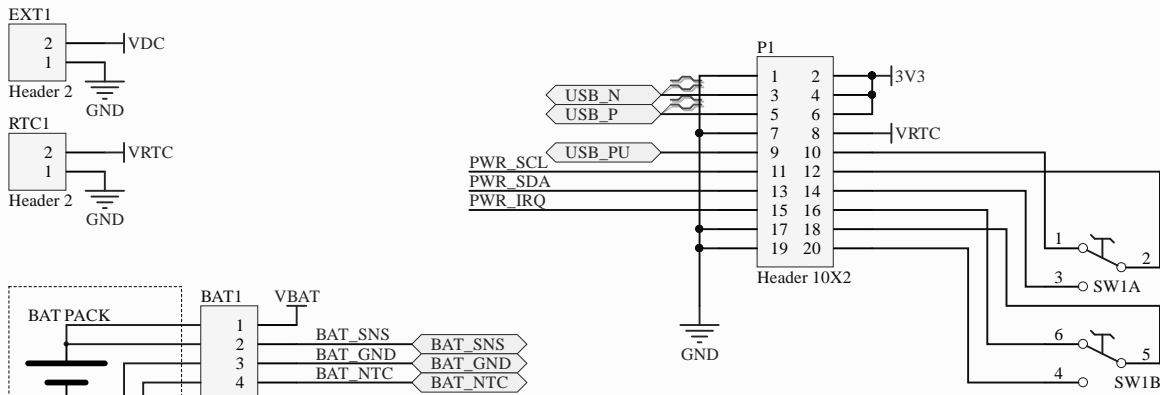
Title		
Size	Number	Revision
A4		
Date:	04.03.2020	Sheet of
File:	D:\Praca\...\[000] Block Diagram.SchDoc Drawn By:	



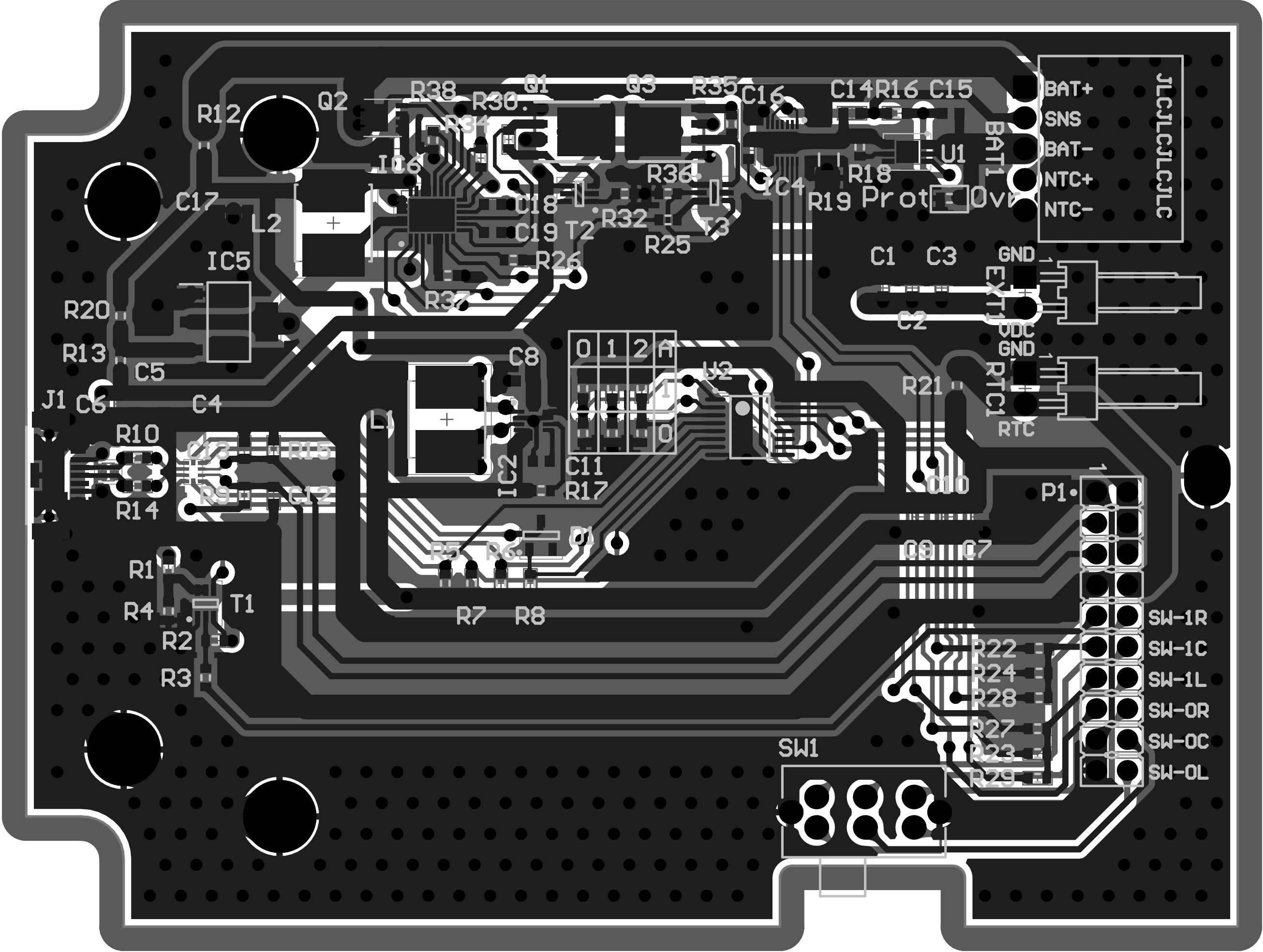
Title			
Size	Number		Revision
A4			
Date:	04.03.2020		Sheet of
File:	D:\Praca\...[001] USB.SchDoc		Drawn By:



Title		
Size A4	Number	Revision
Date:	04.03.2020	Sheet of
File:	D:\Praca\...\[002] Battery.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	04.03.2020	Sheet of
File:	D:\Praca\...\[003] Connectors.SchDoc	Drawn By:



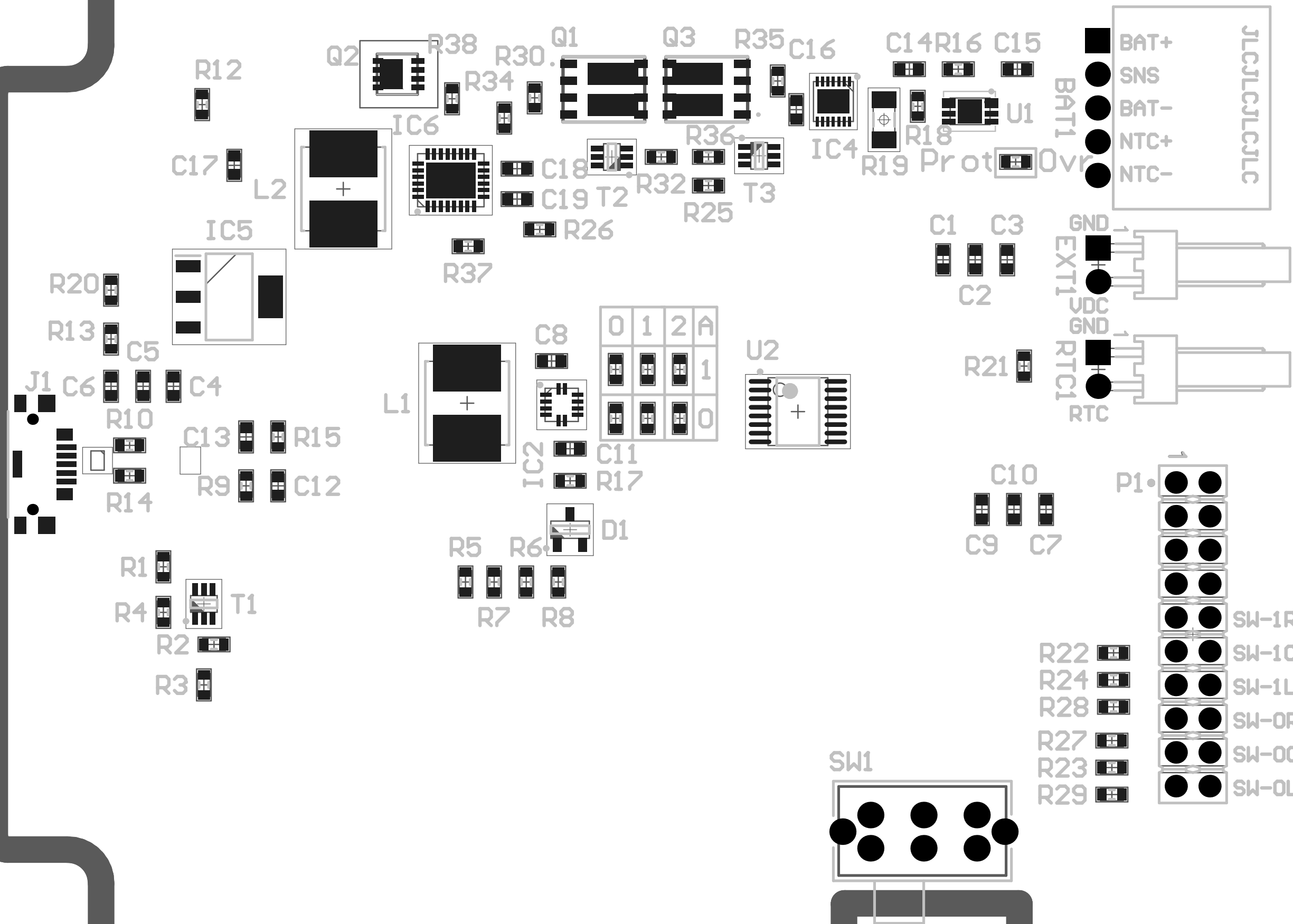
BAT+
SNS
BAT-
NTC+
NTC-

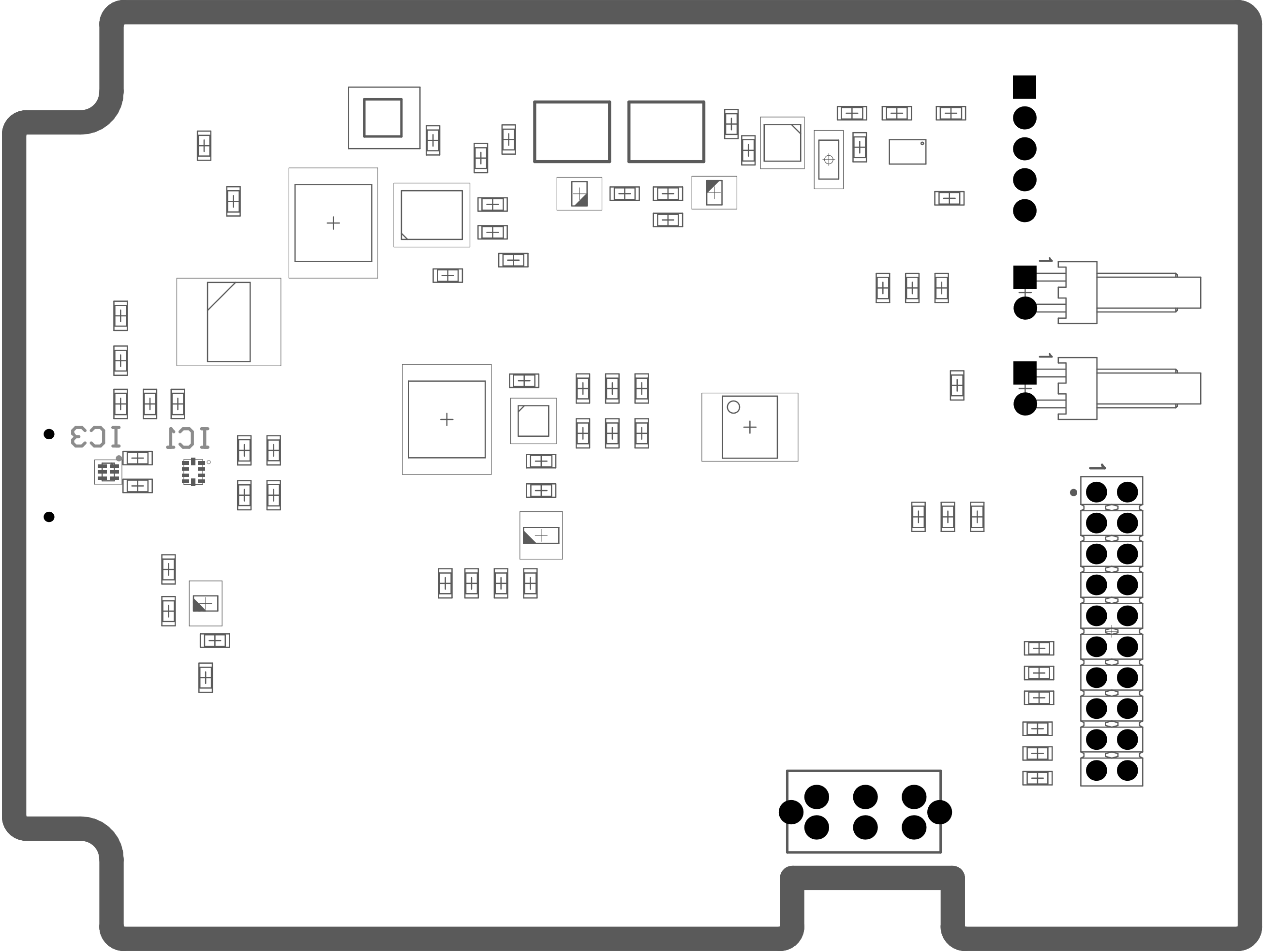
0	1	2	A
3	4	5	6
7	8	9	10
11	12	13	14

P1

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

- SW-1R
- SW-1C
- SW-1L
- SW-OR
- SW-OC
- SW-OL





Comment	Description	Designator	Footprint	LibRef	Quantity
Header 5H	Header, 5-Pin, Right	BAT1	MOLEX-705530004	Header 5H	1
Cap Semi	Capacitor (Semiconduct	C1, C2, C3, C4, C5, C	1608[0603]	Cap Semi	19
BAT54	Diode Schottky Anode	D1	SOT95P240X130-3N	BAT54	1
Header 2	Header, 2-Pin	EXT1, RTC1	MOLEX-705530001	Header 2	2
BQ24392RSER	Integrated Circuit	IC1	RSE(R-PUQFN-N10)	BQ24392RSER	1
TPS63051RMWR	Integrated Circuit	IC2	QFN50P250X250X10	TPS63051RMWR	1
TPD4S012DRYR	Integrated Circuit	IC3	SON50P100X145X60	TPD4S012DRYR	1
MAX17260SETD+	Integrated Circuit	IC4	SON40P300X300X80	MAX17260SETD+	1
AZ1117IH-3.3TRG1	Integrated Circuit	IC5	SOT230P700X170-4N	AZ1117IH-3.3TRG1	1
LTC4155EUFD#PBF	Integrated Circuit	IC6	QFN50P400X500X80	LTC4155EUFD#PBF	1
microUSB	microUSB connector	J1	UB-MC5BR3-SDWP60	microUSB	1
12mOhm	Inductor SRN6045TA	L1	INDP2523X23N	Inductor	1
10mOhm	Inductor SRN6045TA	L2	INDP2523X23N	Inductor	1
Header 10X2	Header, 10-Pin, Dual	P1	SAMTEC_TSW-110-0	Header 10X2	1
SI7938DP-T1-GE3	MOSFET (N-Channel)	Q1, Q3	POWERPAK-SO8_1	SI7938DP-T1-GE3	2
SI7615ADN-T1-GE3	MOSFET (P-Channel)	Q2	PowerPAK1212-8 Sin	SI7615ADN-T1-GE3	1
Res3	Resistor	R1, R2, R3, R4, R5, R	J1-0603	Res3	41
Res3	Resistor	R19	RESC3216X80N	Res3	1
Switch	DPDT Switch	SW1	EG2215	SW_TYCO_1825010-5	1
BC847BS	45V 100mA Dual NPN	T1, T2, T3	SOT65P210X110-6N	BC847BS	3
AP9211S-AK-HAC7	SINGLE CHIP SOLUTION	U1	U-DFN2030-6	AP9211	1
TCA9554PWR	Remote 8-Bit I2C and	U2	PW16_N	TCA9554PWR	1