


Title <i>RcMPPT-Power_Module</i>			* * * * *	
Size: A4	Number: 1	Revision: 1.0		
Date: 06.11.2020	Time: 23:47:32	Sheet 1 of 3		
File: C:\Users\Thomas\Documents\GitHub\RcMPPT\Hardware\RcMPPT-SCC\RcMPPT-Power_Module.SchDoc				

A

A

B

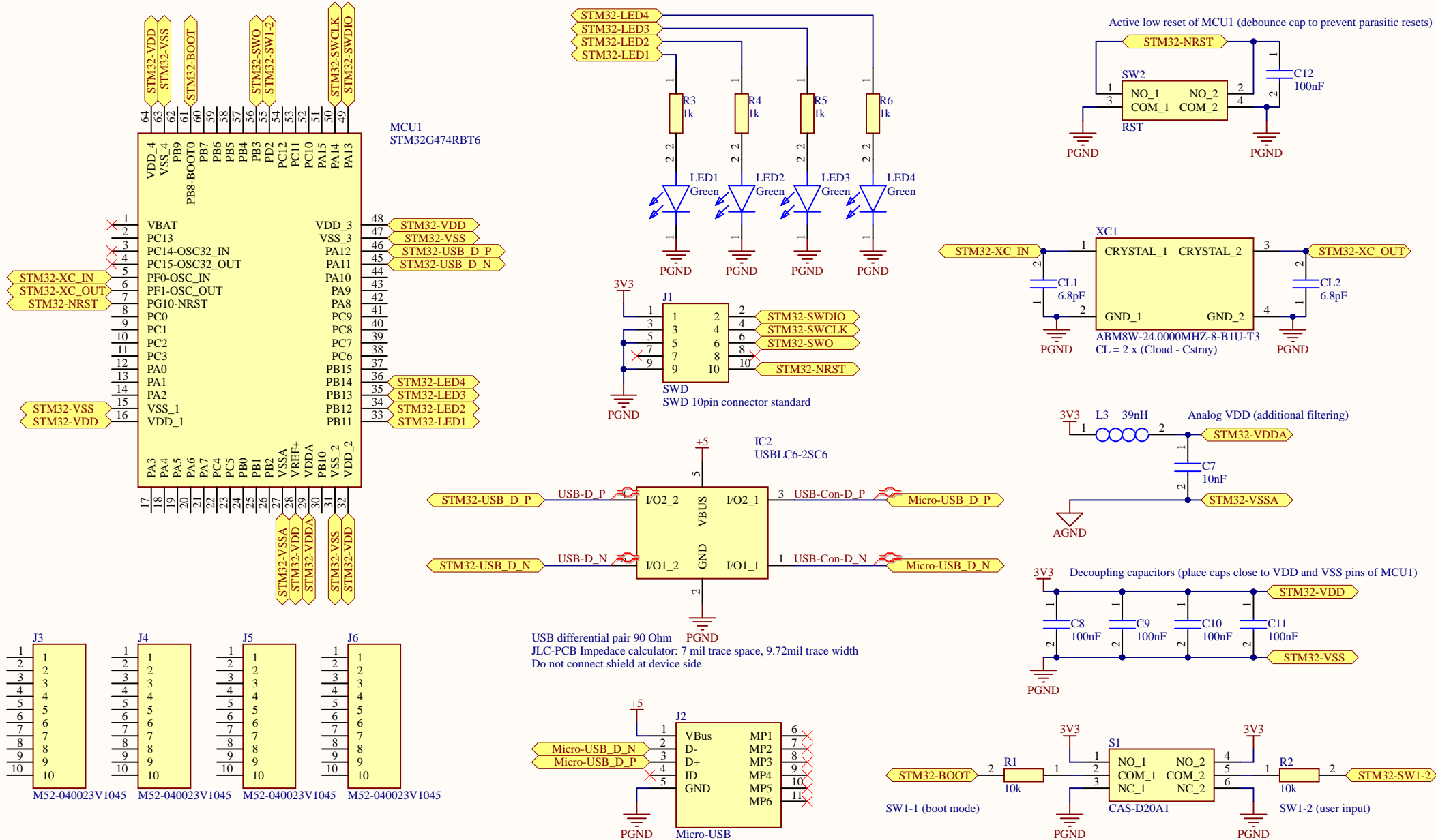
B

C

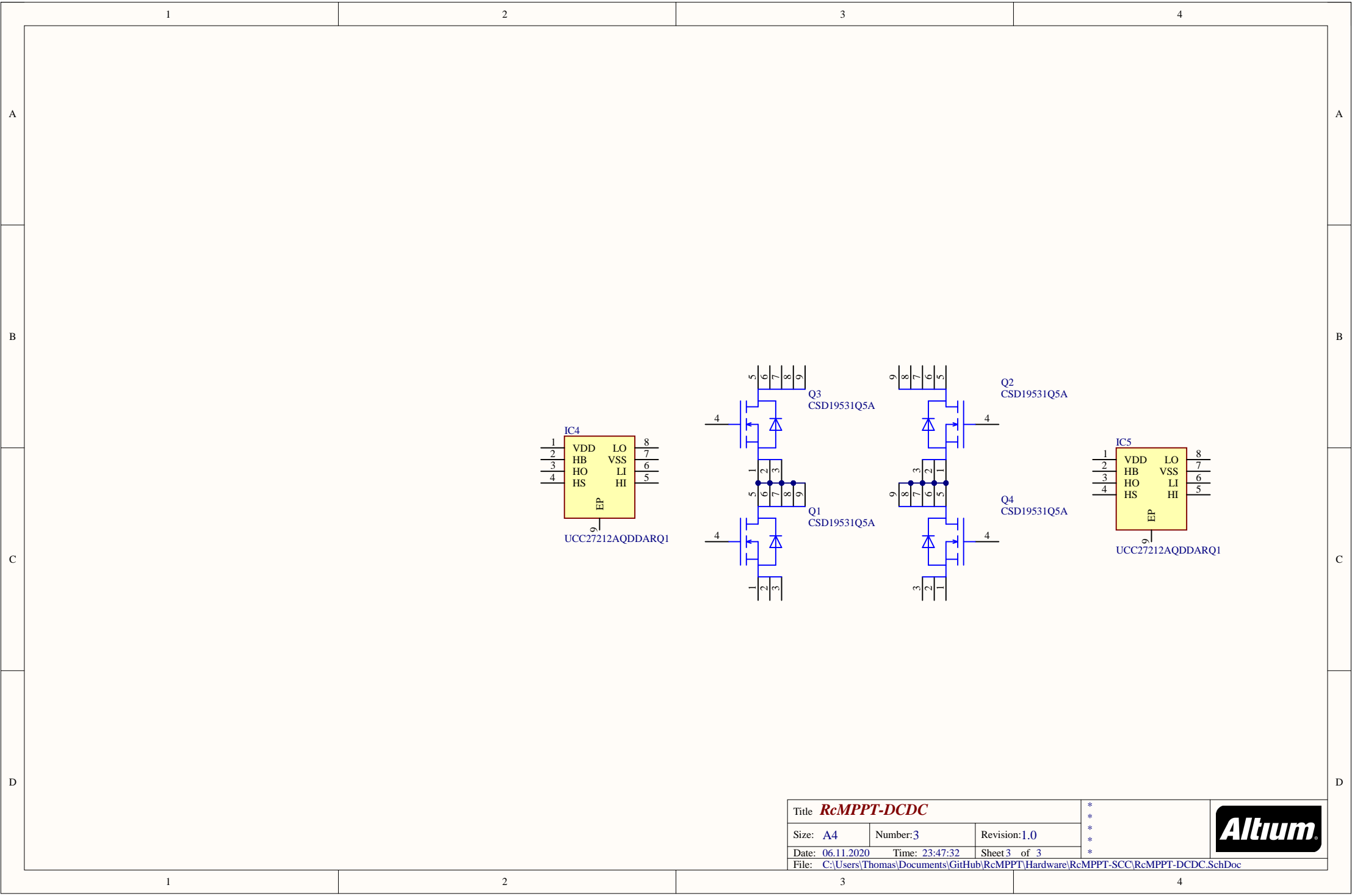
C

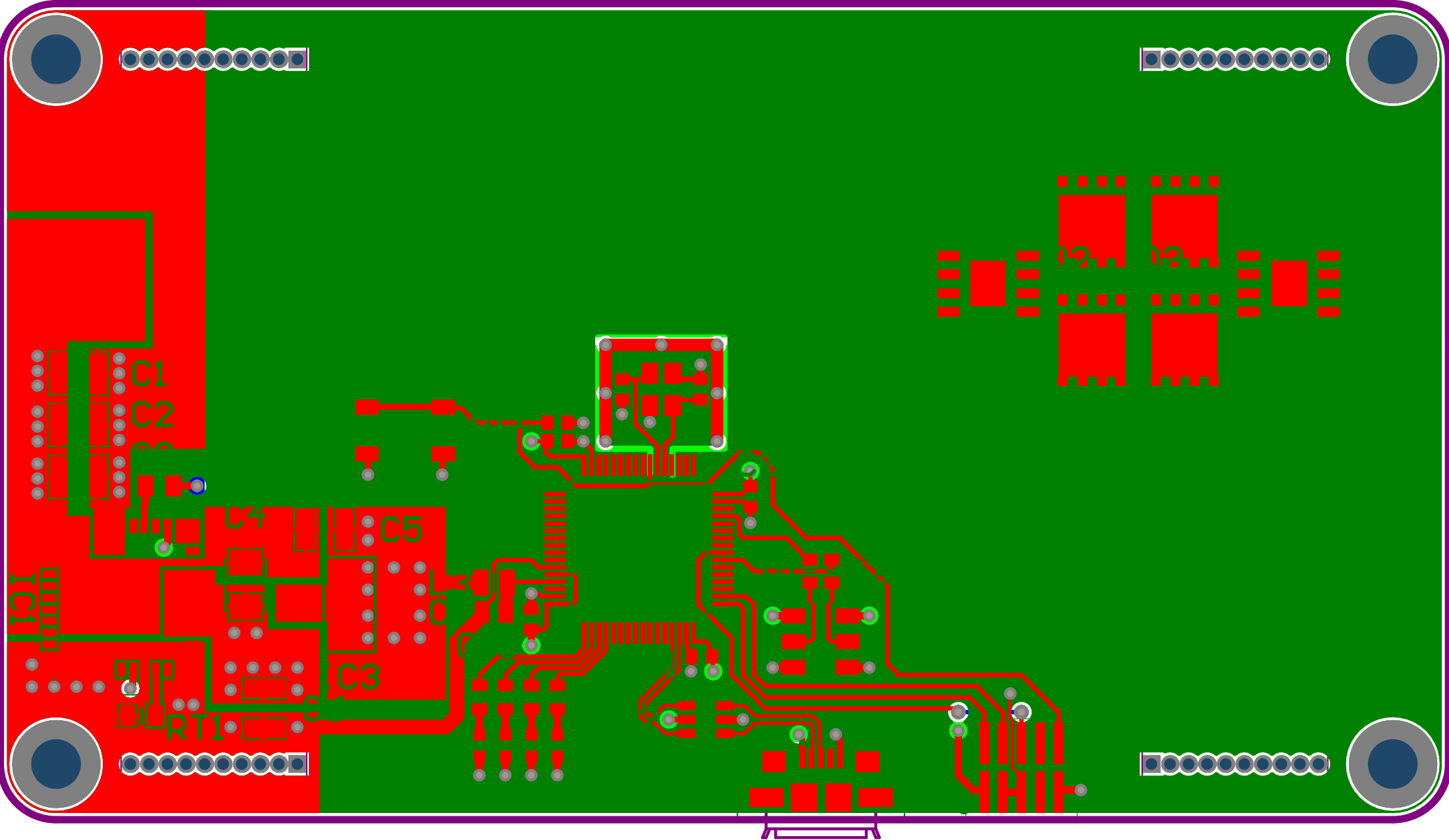
D

D



Title <i>RcMPPT-MCU</i>			<div><div></div><div>Altium®</div></div>
Size: A4	Number: 2	Revision: 1.0	
Date: 06.11.2020	Time: 23:47:32	Sheet 2 of 3	
File: C:\Users\Thomas\Documents\GitHub\RcMPPT\Hardware\RcMPPT-SCC\RcMPPT-MCU.SchDoc			





Bill of Materials

Bill of Materials for Project [RcMPPT-SCC.PrjPcb] (No PCB Document Selected)

Source Data From: RcMPPT-SCC.PrjPcb
 Project: RcMPPT-SCC.PrjPcb
 Variant: None

Creation Date: 06.11.2020 23:48
 Print Date: 06-Nov-20 11:49:03 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC3225X2	10uF	CL32B106KMVN	C1, C2, C3, C5, C6	Capacitor	5
CAPPM3528	100uF	8TPE100MAZB	C4	Capacitor Polarised	1
CAPC2012X8	10nF	C0805C103J3G	C7	Capacitor	1
CAPC1608X9	100nF	VJ0603Y104JXJ	C8, C9, C10, C11, C12	Capacitor	5
CAPC1608X8	6.8pF	C0603C689C5G	CL1, CL2	Capacitor	2
LMZ36002RV	LMZ36002RVQT	LMZ36002RVQT	IC1	Integrated Circuit	1
SOT95P280X	USBLC6-2SC6	USBLC6-2SC6	IC2	Integrated Circuit	1
SOT230P700	AP2114H-	AP2114H-	IC3	Integrated Circuit	1
SOIC127P60	UCC27212AQD	UCC27212AQD	IC4, IC5	Integrated Circuit	2
HUSSP10W4	SWD	M50-3600542R	J1	Connector	1
19815841	Micro-USB	1981584-1	J2	Connector	1
HDRV10W60	M52-	M52-	J3, J4, J5, J6	Connector	4
LQW2BAN11	39nH	LQW2BAS39NJ	L3	Inductor	1
LGQ396PS35	Green	LG_Q396-PS-35	LED1, LED2, LED3, LED4	LED	4
QFP50P1200	STM32G474RBT	STM32G474RBT	MCU1	Integrated Circuit	1
CSD19531Q5	CSD19531Q5A	CSD19531Q5A	Q1, Q2, Q3, Q4	MOSFET (N-Channel)	4
RESC1608X5	10k	MCT06030C100	R1, R2	Resistor	2
RESC1608X5	1k	MCT06030C100	R3, R4, R5, R6	Resistor	4
R0805	5.05k	RT0805BRD075	RADJ1	Resistor	1
R0805	49.9k	ERJ-	RT1	Resistor	1
CASD20A1	CAS-D20A1	CAS-D20A1	S1	Switch	1
PTS647SK38	RST	PTS_647_SK38	SW2	Switch	1
ABM8W2400	ABM8W-	ABM8W-	XC1	Crystal or Oscillator	1
					46

Approved	Notes