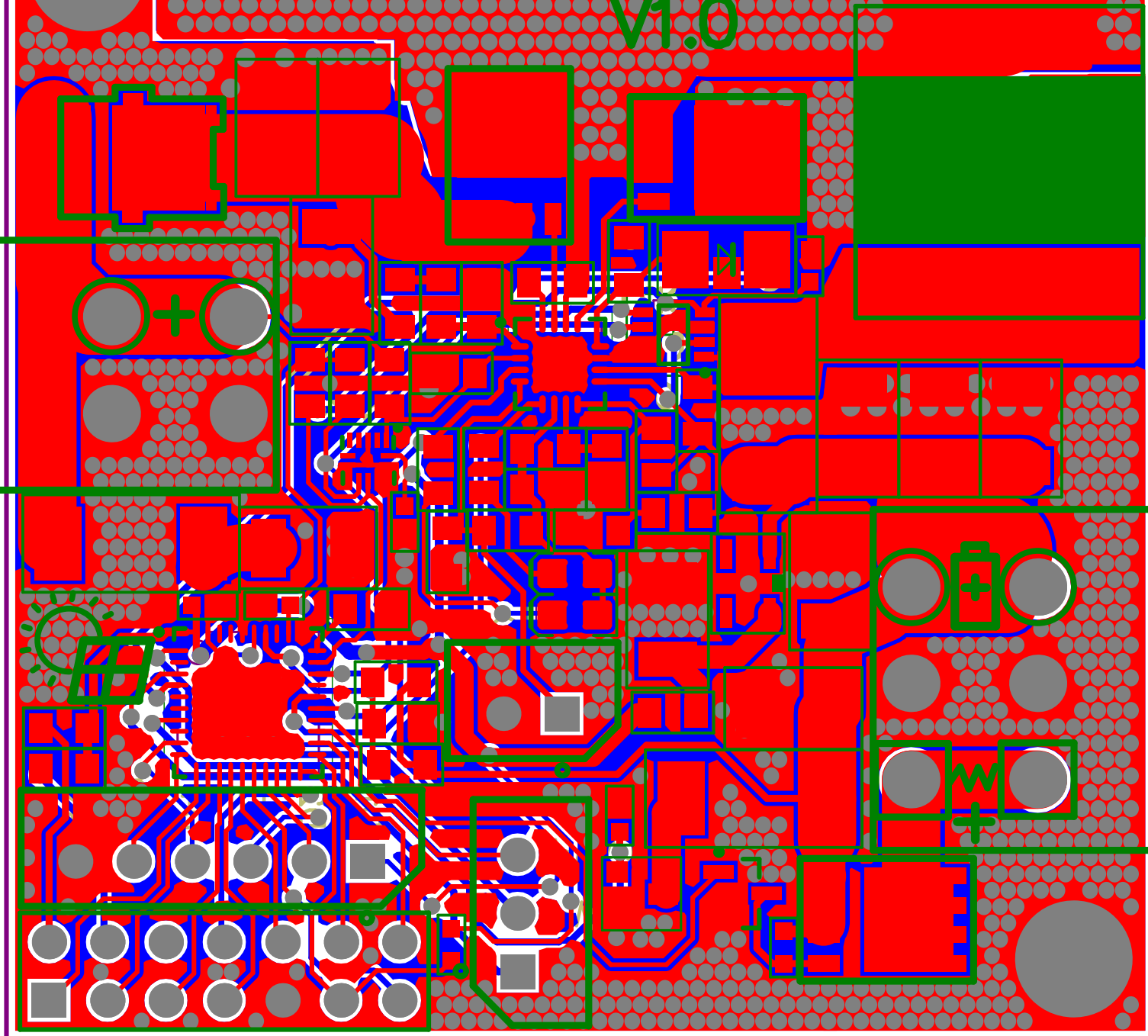


Stormsucher

V1.0



Part List

<Parameter Title not found>

Source Data From:

MPPT_charger.PrjPcb

Project:

MPPT_charger.PrjPcb

Variant:

None

Report Date: 9/4/2016

1:51:01 AM

Print Date: 04-Sep-16

1:51:17 AM

Designator	Comment	LibRef	Footprint	Description
C1, C2, C5, C6, C7, C8, C17	10uf	1210C-2u2-35V	1210C-GENERIC	GENERIC CAPACITOR NON POLARISED 1210
C3, C4	1uf	0805C-2U2-6V3-X5R-PAN	0805C-GENERIC	CAPACITOR 0805 CERAMIC
C9, C11	100nf	0805C-2U2-6V3-X5R-PAN	0805C-GENERIC	CAPACITOR 0805 CERAMIC
C10, C15, C16	2u2	1210C-2u2-35V	1210C-GENERIC	GENERIC CAPACITOR NON POLARISED 1210
C12, C18	22pf	0805C-2U2-6V3-X5R-PAN	0805C-GENERIC	CAPACITOR 0805 CERAMIC
C13	1uf	0805C-TBD	0805C-TBD	CAPACITOR 0805 CERAMIC VALUE TO BE DETERMINED
C14	2u2	0805C-2U2-6V3-X5R-PAN	0805C-GENERIC	CAPACITOR 0805 CERAMIC
C19, C20, C21, C22	100nF	0603C-100NF-25V-X7R-TDK	0603C-GENERIC	CAPACITOR 0603 CERAMIC
D1	NTS1045MFST1G	SK3200	DFN5_5x6	
D2	MBRS140	MBRS140	DIODE-SMA	DIODE
J1	1586041-6	1586041-6	1586043-6	
J2	1586041-4	1586041-4	1586043-4	
L1	10uh	inductor_smd	SRP1238A	
LED1, LED2		LED_SMD_Green_0805	LED-0805-K	LED, 0805 SMD, Green
P1	Header 7X2A ISP	Header 7X2A	HDR2X7_CEN	Header, 7-Pin, Dual row
P2	Header 6	Header 6	5267-06A	Header, 6-Pin
P3	Header 2	Header 2	5267-02A	Header, 2-Pin
P4	Header 3	Header 3	5267-03A	Header, 3-Pin
Q1, Q2	CSD18540Q5B	N-Mosfet	SON8	
Q3	FDN339	FDN339	SOT23-GDS	N-MOS TRANSISTOR FDN339
Q4	N-Mosfet	N-Mosfet	SON8	
Q5	BC847	BC847	SOT23_N	NPN General-purpose Transistor
R1	3.5K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R2	2R / 2W	2512R-GENERIC	2512R-GENERIC	GENERIC RESISTOR 2512
R3, R5	10K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R4		2512R-GENERIC	2512R-GENERIC	GENERIC RESISTOR 2512
R6, R8	1K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R7	102K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R9, R10	5R	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R11	34.8K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R12, R13	3.9K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R14	150K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R15	50K /NC	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R16, R17, R19	0R	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R18, R22	15K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R20	2512R-GENERIC	2512R-GENERIC	2512R-GENERIC	GENERIC RESISTOR 2512
R21	105K	0805R-2K2	0805R-2K2	RESISTOR 0805 1/4 WATT THIN FILM
R23, R24, R25	10K	0603R-10K	0603R-10K	GENERIC RESISTOR 0603
U1	BQ24650RVAT	BQ24650RVAT	QFN16	High Efficiency Synchronous Switch-Mode Charger Controller- Solar Battery Charger, 5 V, -40 to 85 degC, 16-pin VQFN (RVA), Green (RoHS & no Sb/Br)
U2	MSP430FR5739IRHAR	MSP430FR5739IRHAR	QFN40	24 MHz Mixed Signal Microcontroller, 1024 B SRAM and 33 GPIOs, -40 to 85 degC, 40-pin QFN (RHA), Green (RoHS & no Sb/Br)
U3	TPL0102	TPL0102	XQFN14_2mmx2mm	Digital Pot 2 channel 256 setp nov volatile memory
U4	TPS709	TPS709	SOT23-5	
U5	INA219	INA219	SOT23-8	