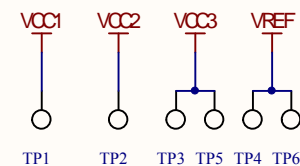
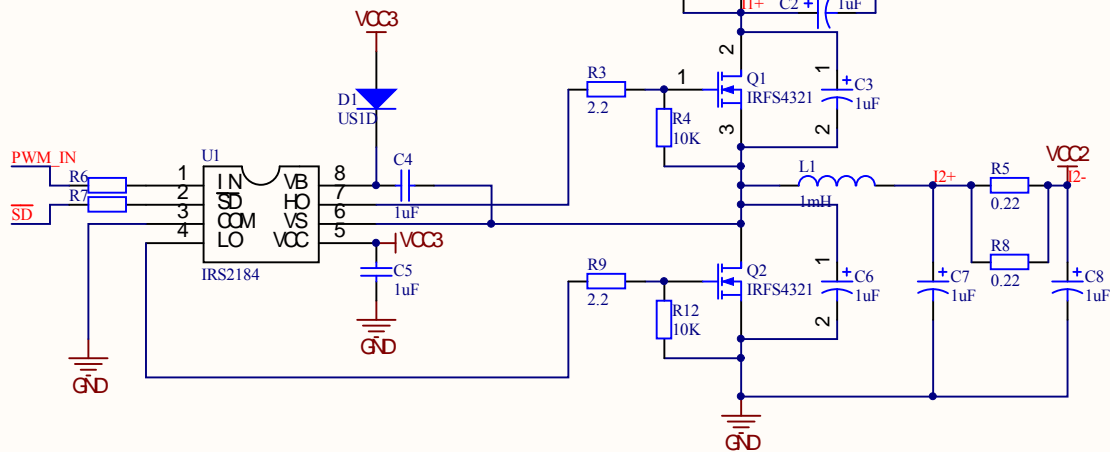
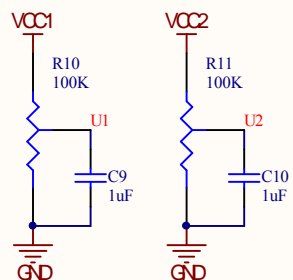
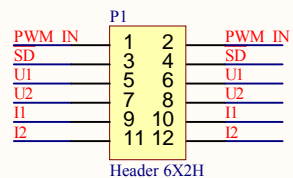


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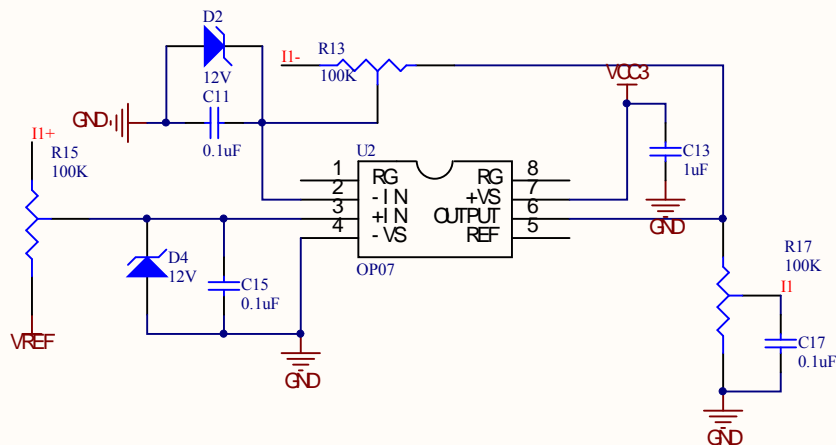
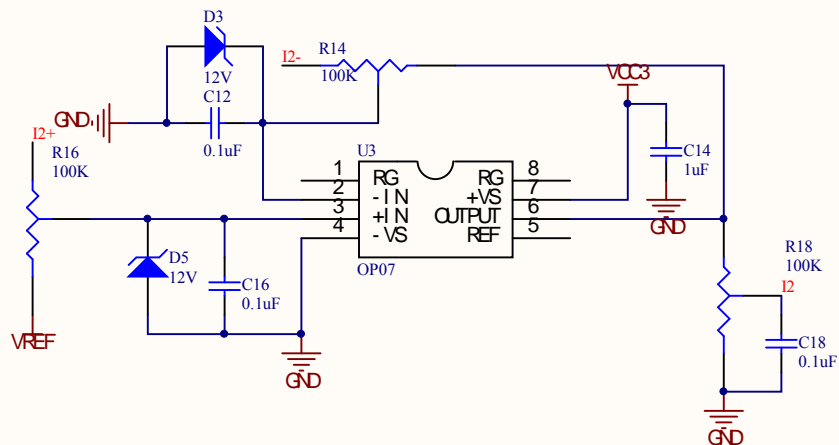
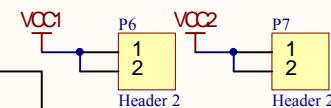
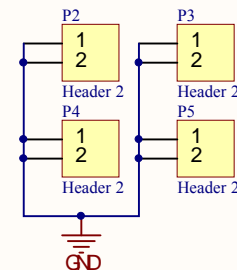
2

3

4



VCC1 < 60V
VCC2 < 60V
VCC3 = 12V
1.5V < VREF < 11V



Title

Size

Number

Revision

Date: 2014-4-13

Sheet of

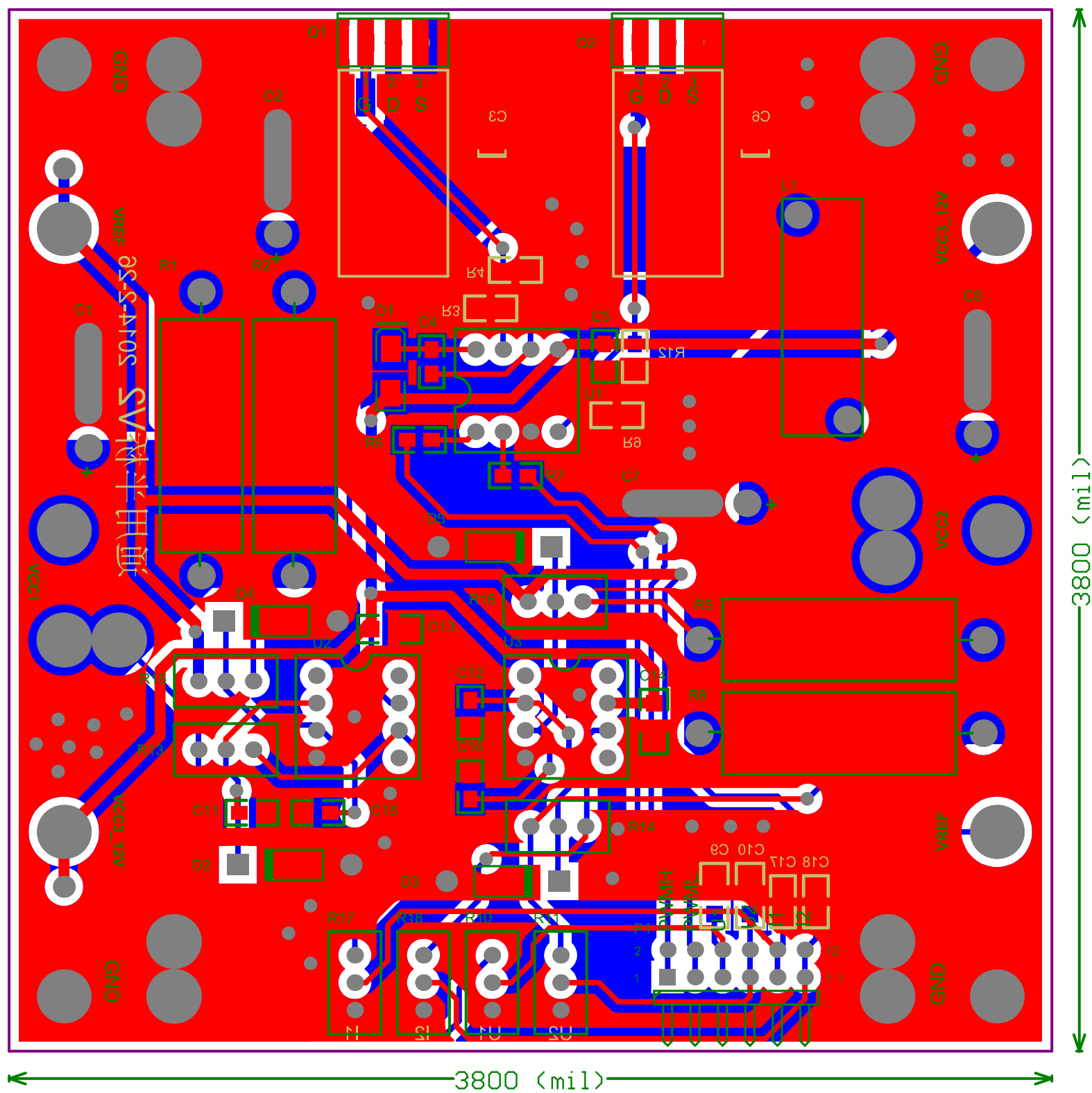
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1

2

3

4



Comment	Description	Designator	Footprint	LibRef	Quantity
1uF	Polarized Capacitor (Radial)	C1, C2, C7, C8	common cap	Cap Pol1	4
1uF	Polarized Capacitor (Radial)	C3, C6	C1210	Cap Pol1	2
1uF	Capacitor	C4, C5	0805	Cap	2
1uF	Capacitor	C9, C10, C13, C14	1206	Cap	4
0.1uF	Capacitor	C11, C12, C15, C16, C17, C18	0805	Cap	6
US1D	Default Diode	D1	SMA	Diode	1
12V	Zener Diode	D2, D3, D4, D5	DO-41	D Zener	4
1mH	Inductor	L1	l1	Inductor	1
Header 6X2H	Header, 6-Pin, Dual row, Right Angle	P1	HDR2X6H	Header 6X2H	1
Header 2	Header, 2-Pin	P2, P3, P4, P5, P6, P7	HEADER_250	Header 2	6
IRFS4321	N-Channel MOSFET	Q1, Q2	Comm_Mosfet	MOSFET-N	2
0.22	Resistor	R1, R2, R5, R8	r22	Res2	4
2.2	Resistor	R3, R9	0805	Res2	2
10K	Resistor	R4, R12	0805	Res2	2
470	Resistor	R6, R7	0805	Res2	2
100K	Tapped Resistor	R10, R11, R13, R14, R15, R16, R17, R18	RPOT	Res Tap	8
TP		TP1, TP2, TP3, TP4, TP5, TP6	TP	TP	6
IRS2184		U1	DIP8	IRS2186	1
OP07		U2, U3	DIP8	AD620	2