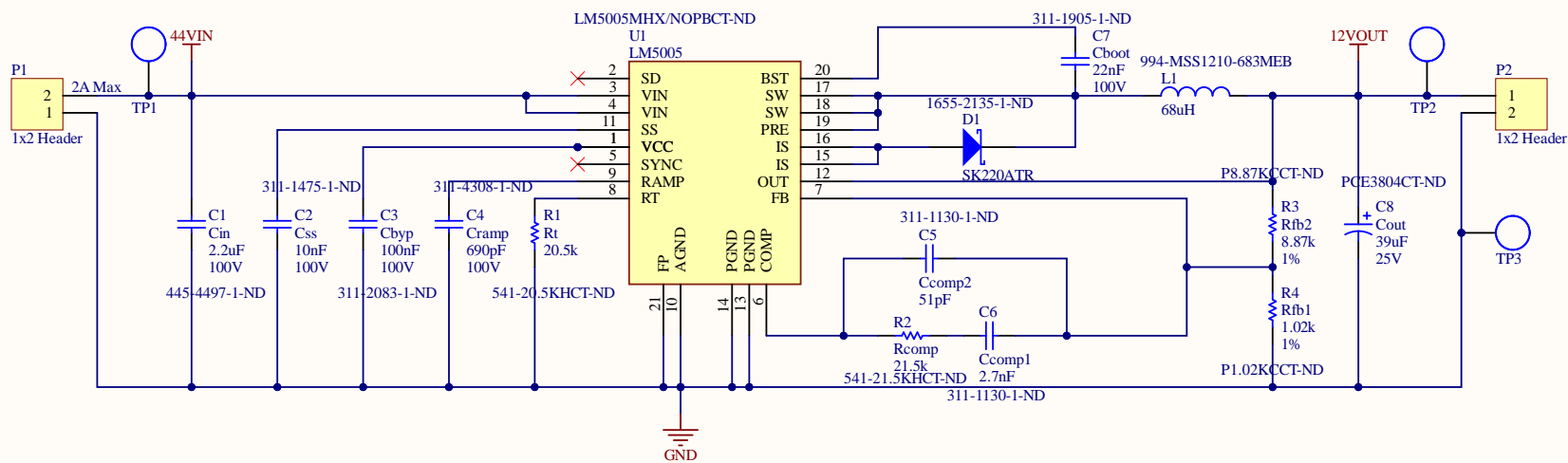


Designator	Value	Comment	Description	Footprint	Quantity
C1	2.2uF	Cin	Nonpolarized Capacitor	1210 - Capacitor	1
C2	10nF	Css	Nonpolarized Capacitor	0805 - Capacitor	1
C3	100nF	Cbyp	Nonpolarized Capacitor	0805 - Capacitor	1
C4	690pF	Cramp	Nonpolarized Capacitor	0805 - Capacitor	1
C5	51pF	Ccomp2	Nonpolarized Capacitor	0805 - Capacitor	1
C6	2.7nF	Ccomp1	Nonpolarized Capacitor	0805 - Capacitor	1
C7	22nF	Cboot	Nonpolarized Capacitor	0805 - Capacitor	1
C8	39uF	Cout	Polarized Capacitor	OCVZ0606 - CAPACITOR	1
D1		Diode - Schottky	Schottky Rectifier	SMA - DIODE	1
L1	68uH	Inductor	Inductor	MSS1210 - INDUCTOR	1
P1, P2		1x2 Header	1x2 Pin Header	HDR1X2	2
R1	20.5k	Rt	Resistor	0603 - Resistor	1
R2	21.5k	Rcomp	Resistor	0603 - Resistor	1
R3	8.87k	Rfb2	Resistor	0805 - Resistor	1
R4	1.02k	Rfb1	Resistor	0805 - Resistor	1
U1		LM5005	7V to 75V 2.5A, Buck Converter	LM5005	1

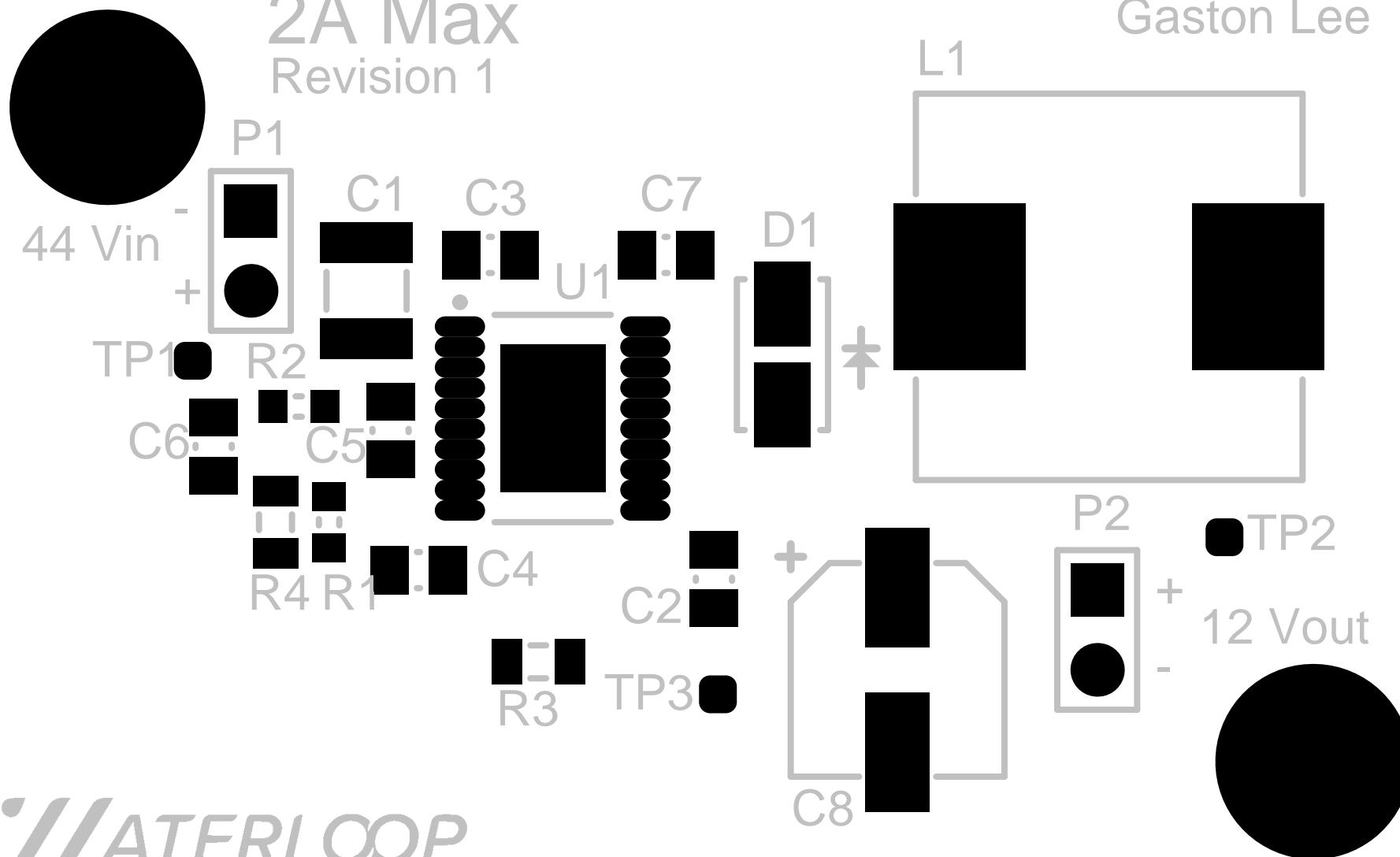


Title: <b>44V -&gt; 12V Buck</b>		<b>Waterloop</b> 200 University Ave W Engineering 5, 1104 Waterloo, ON N2L 3G1
Size: <b>A4</b>	Author: <b>Gaston Lee</b>	
Date: <b>2020-12-01</b>	Revision: <b>A</b>	
File: <b>Buck_Schematic.schdoc</b>	Sheet <b>1</b> of <b>1</b>	

**WATERLOOP**

2A Max  
Revision 1

Gaston Lee



*WATERLOOP*

