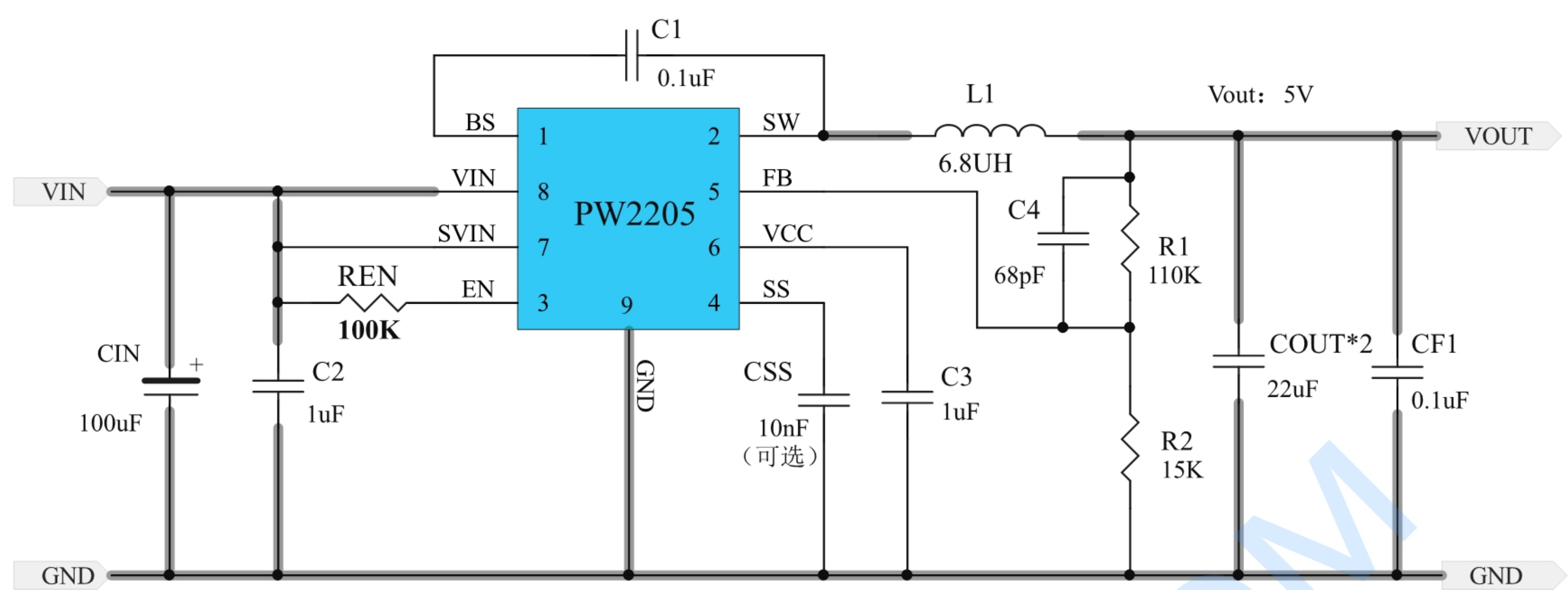


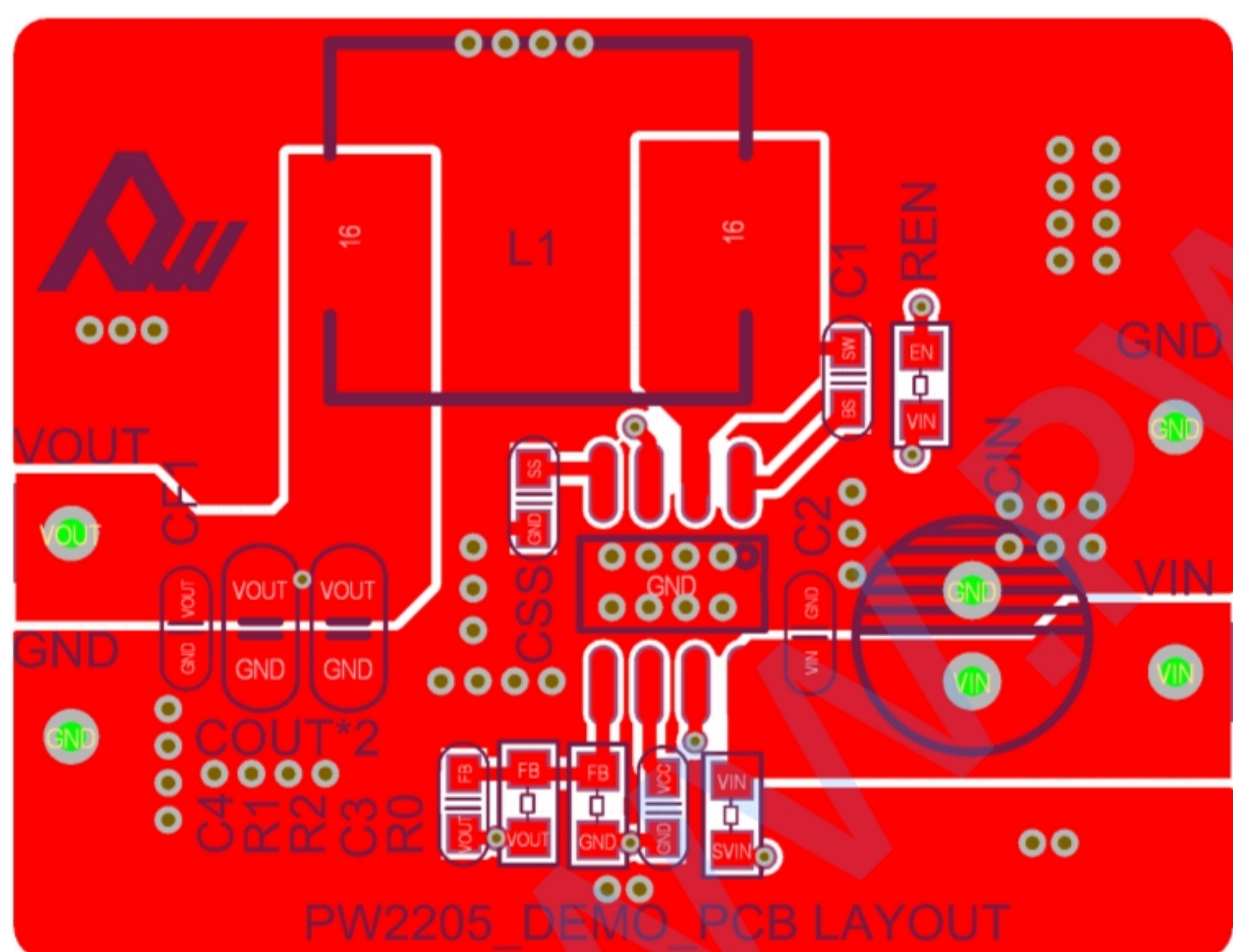
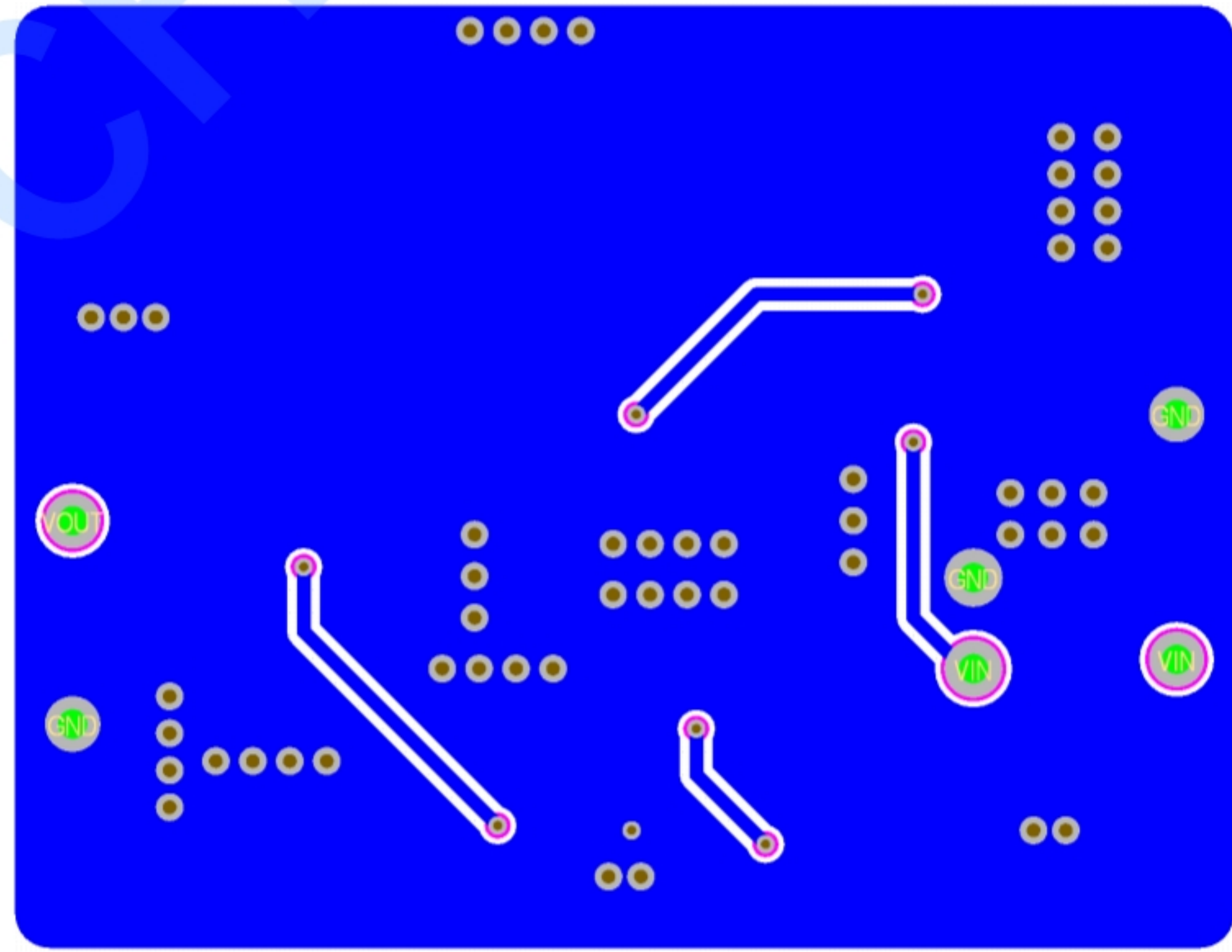
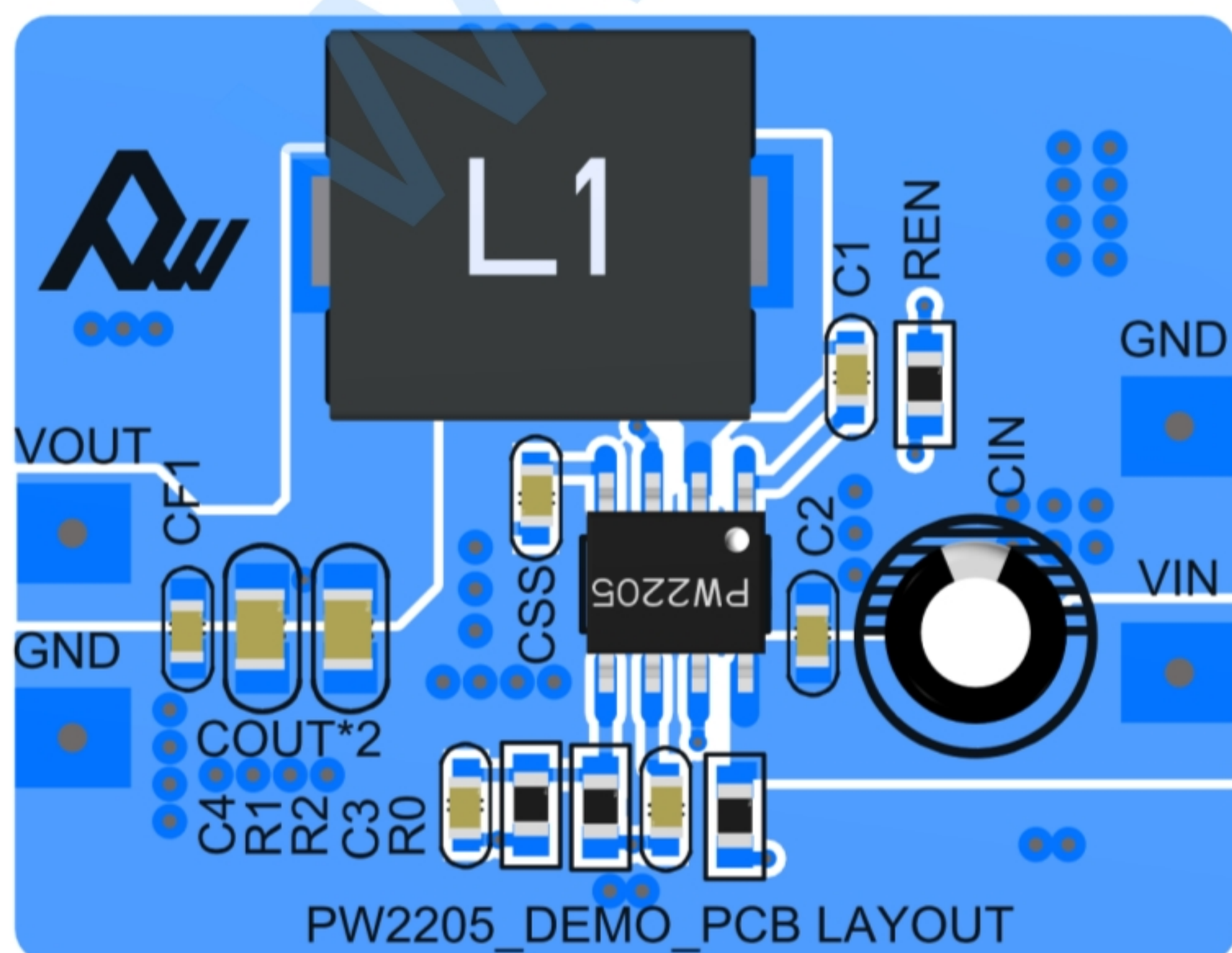
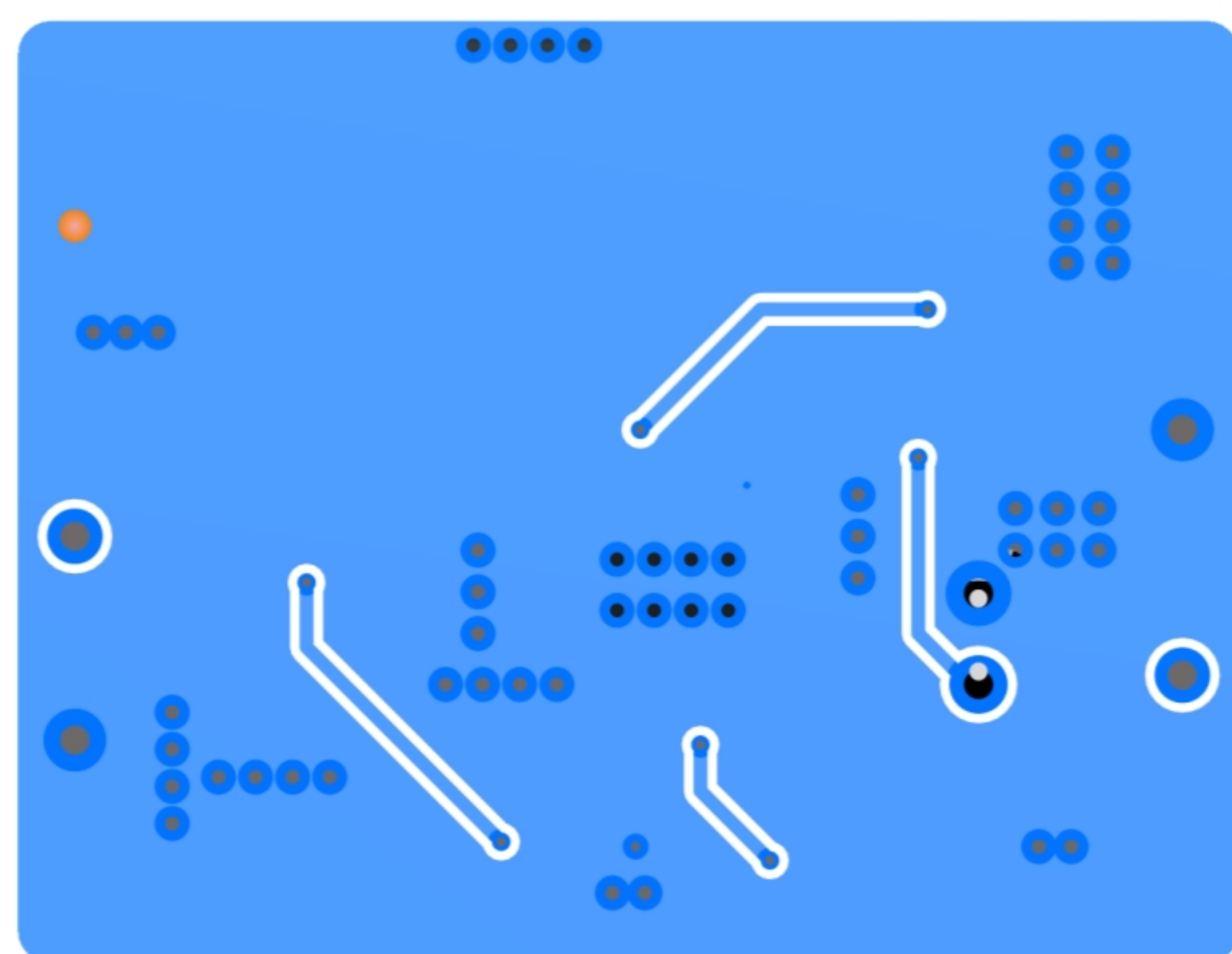


PW2205_DEMO_Typical Circuit:



软启动时间 $T_{ss}(ms)=C_{ss}(nF)*0.6(V)/10(uA)$
输出电压 $V_{out}=(1+R1/R2)*0.6V$

PCB LAYOUT:





DEMO-BOM (Vout=5V)				
序号	符号	说明	数量	注
1	L1	6.8UH, 0650, ISat: 5A 或 8A	1	请参考网站文章{电感如何选型?}
2	CIN 选择其一	22uF, 0805, X7R, 50V	2	输入电压 15V 起, 推荐电解电容
		100uF, 6*8MM 电解电容,35V	1	可吸收拔插产生的瞬间尖峰高压
3	COUT	47uF, 0805, X7R, 16V	2	
4	CSS	10nF, 0603, X7R, 16V	1	软起动时间编程 (说明书页: 8)
5	CF1,C1	0.1uF, 0603, X7R, 16V	1	CF1 是输出的高频去耦旁路电容
6	C2	1uF, 0603, X7R, 50V	1	反馈的旁路电容
7	C3	1uF, 0603, X7R, 16V	1	
8	C4	100pF, 0603, X7R, 16V		
9	R1	110K, 0603, 1%	1	输出电压设置: $V_{OUT} = (R1/R2 + 1) * 0.6V$
10	R2	15K, 0603, 1%	1	
11	REN	100K, 0603, 5%	1	EN 开关脚电阻
12		PW2205	1	